

GOWN ID

Water Well Drilling Report

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

View in Metric Export to Excel

GIC Well ID GoA Well Tag No. 1502530

Drilling Company Well ID Date Report Received

2018/08/01

| Well Iden | tification and I | _ocation | | | | | | | | | Mea | surement in Imperia |
|---|------------------|-------------------------|---------------|----------|---------------|--------------------|-------------|---------------------|------------------------|--------------|----------------|---------------------|
| Owner Name LEIPERT, SHAWN / TWIN LAKE FARMS | | Address P.O. BOX 629 | | | | Province ALBERT | | Country CANADA | Postal Code T0B 0X0 | | | |
| Location | 1/4 or LSD 11 | SEC 35 | <i>TWP</i> 50 | RGE 4 | W of MER 4 | Lot | Block | Plan | Additio | onal Descrip | tion | |
| Measured | from Boundary | of | | | GPS Coordi | nates in De | cimal Degre | es (NAD 8 | 3) | | | |
| | | ft from | | | Latitude | 3.359526 | Longi | itude <u>-110</u> . | 482503 | Elevation | 2014. | 00 ft |
| | | ft from | | | How Locatio | n Obtained | | | | How Elev | ation Obtained | |
| | | | | | Hand held a | utonomous | GPS 20-30i | m | | Hand hel | d autonomous (| GPS 20-30m |
| Drilling In | | | | | | | | | | | | |
| | | | | | | | | | | | | |

Method of Drilling Rotary - Mud

Type of Work New Well

Proposed Well Use Domestic

| Formation Log | | Measurement in Imperial |
|------------------------------|------------------|-------------------------------|
| Depth from ground level (ft) | Water Bearing | Lithology Description |
| 18.00 | | Brown Till |
| 35.00 | | Medium Grained Sand |
| 73.00 | | Gray Till |
| 80.00 | | Medium Grained Sand |
| 81.00 | | Gray Shale |
| 88.00 | | Gray Coarse Grained Sandstone |
| 89.00 | | Siltstone |
| 92.00 | | Dirty Sandstone |
| 98.00 | | Sandy Shale |
| 99.00 | | Siltstone |
| 103.00 | | Gray Shale |

| Yield Test Summary Measurement in Imperial | | | | | | | | |
|--|-------------------|-----------------|---------------------|-------------|------------------------------|--------|--|--|
| Recommende | ed Pump R | ate10.0 | 0 igpm | _ | | | | |
| Test Date | Water | Removal Rate (| igpm) | | | | | |
| 2018/06/18 | 3 | 10.00 | | 48.32 | | | | |
| Well Comple | etion | | | Mea | asurement in Im | perial | | |
| Total Depth D | Drilled Fini | shed Well Depth | Start | Date | End Date | | | |
| 103.00 ft | 92.0 | 00 ft | 2018/ | 06/18 | 2018/06/18 | | | |
| Borehole | | | | | | | | |
| | er (in) | From | | | To (ft) | | | |
| 6.2 | | 0.0 | | | 103.00 | | | |
| Surface Cas | ıng (ıт appı | , | Plastic | asing/Line | r | | | |
| Size | OD : | in | | | 5.56 in | | | |
| Wall Thickn | | in | Wall 7 | hickness : | 0.258 in | | | |
| Botton | n at : | ft | Top at : | | -2.00 ft | | | |
| | | | E | Bottom at : | 82.00 ft | | | |
| Perforations | | Diameter or | | | | | | |
| From (ft) | From (ft) To (ft) | | Slot Length (in) | | Hole or Slot Interval(in) | | | |
| 110111 (11) | | Slot Width(in) | (111) | | Interval(III) | | | |
| Perforated by | / | | | | | | | |
| Annular Sea | | o Chine | | | | | | |
| | | • | 70.00 |) ft | | | | |
| Placed from 0.00 ft to 70.00 ft Amount 25.00 Gallons | | | | | | | | |
| Other Seals | | | | | | | | |
| | Type | | At (ft) | | | | | |
| | | | | | | | | |
| Screen Type | Stainless | s Steel | | | | | | |
| | OD : | | | | | | | |
| From | ı (ft) | То | | | Slot Size (in) | | | |
| 82. | | 92. | 00 | | 0.015 | | | |
| | | ed To Casing | | | | | | |
| Top Fitti | ings Couple | er | Bottoi | m Fittings | Plug | _ | | |
| Pack | Pack | | | | | | | |
| Type Artif | icial | | Grain Size 16/30 | | | | | |
| Amount | 600.00 | Pounds | | | | | | |

Contractor Certification

Name of Journeyman responsible for drilling/construction of well SHAUN ERB

Company Name

MCALLISTER DRILLING INC.

Certification No

78082A

Copy of Well report provided to owner Yes

Date approval holder signed

2018/06/19

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Date Report Received 2018/08/01 Well Identification and Location Measurement in Imperial Address Postal Code Owner Name Province Town Country LEIPERT, SHAWN / TWIN LAKE P.O. BOX 629 CLANDONALD ALBERTA CANADA T0B 0X0 **FARMS** 1/4 or LSD SEC TWP RGE W of MER Lot Block Plan Additional Description Location 35 11 50 4 4 GPS Coordinates in Decimal Degrees (NAD 83) Measured from Boundary of 2014.00 ft 53.359526 Longitude -110.482503 Elevation ft from How Location Obtained How Elevation Obtained ft from Hand held autonomous GPS 20-30m Hand held autonomous GPS 20-30m Additional Information Measurement in Imperial Distance From Top of Casing to Ground Level 24.00 in Is Artesian Flow Is Flow Control Installed Rate Describe iapm Recommended Pump Rate 10.00 igpm Pump Installed Yes 80.00 ft Depth Recommended Pump Intake Depth (From TOC) 70.00 ft Type Submersible Make GRUNDFOS H.P. 0.75 Model (Output Rating) 10 SQE 200 Did you Encounter Saline Water (>4000 ppm TDS) ft Well Disinfected Upon Completion Yes Depth Depth ft Geophysical Log Taken Gas Remedial Action Taker. Submitted to ESRD Sample Collected for Potability Submitted to ESRD Additional Comments on Well ADDED SWL AT REQUEST OF DRILLER 2022-10-05.

| Yield Test | | | Taken | Measurement in Imperia | | | |
|--|----------------|--------------------|----------------------|-----------------------------|---------------|--|--|
| Test Date | Start Time | Static Water Level | Depth to water level | | | | |
| 2018/06/18 | 4:00 PM | 48.32 ft | Pumping (ft) | Elapsed Time Minutes:Sec | Recovery (ft) | | |
| | _ | | | 0:00 | 66.27 | | |
| Method of Water I | Removal | | | 1:00 | 55.61 | | |
| | Type Air | | | 2:00 | 52.30 | | |
| Removal | Rate 10.00 igp | | | 3:00 | 51.08 | | |
| | | <u>''</u> ' | | 4:00 | 50.56 | | |
| Depth Withdrawn I | From 75.00 ft | _ | | 5:00 | 50.23 | | |
| If water removal period was < 2 hours, explain why | | | | 6:00 | 50.03 | | |
| | | | | 7:00 | 49.90 | | |
| | | | | 8:00 | 49.77 | | |
| | | | | 9:00 | 49.67 | | |
| | | | | 10:00 | 49.57 | | |

| Water Diverted for Drilling | | | |
|-----------------------------|--------------|-----------------------|--|
| Water Source | Amount Taken | Diversion Date & Time | |
| SLOUGH | 3000.00 ig | 2018/06/18 1:00 PM | |

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