



Water Well Drilling Report

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GIC Well ID 1924463
GoA Well Tag No.
Drilling Company Well ID
Date Report Received

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.

GOWN ID

| Well Identification and Location | | | | | | | | | | Measurement in Imperial |
|--|-------------------------|---------------------------------|------------------|-----------------|---|------------|-----------------------|--|-------------------------------|-------------------------|
| Owner Name MUNRO, ROB & CINDY | | Address P.O. BOX 3021 | | | Town VERMILION | | Province AB | Country CA | Postal Code T9X 2B1 | |
| Location | <i>1/4 or LSD</i> SW | <i>SEC</i> 12 | <i>TWP</i> 48 | <i>RGE</i> 7 | <i>W of MER</i> 4 | <i>Lot</i> | <i>Block</i> | <i>Plan</i> | <i>Additional Description</i> | |
| Measured from Boundary of _____ ft from _____ _____ ft from _____ | | | | | GPS Coordinates in Decimal Degrees (NAD 83) Latitude <u>53.121300</u> Longitude <u>-110.901000</u> How Location Obtained Not Verified | | | Elevation _____ ft How Elevation Obtained Not Obtained | | |

| Drilling Information | |
|--------------------------------------|---------------------------------|
| Method of Drilling Rotary | Type of Work New Well |
| Proposed Well Use Domestic | |

| Formation Log | | | Measurement in Imperial |
|------------------------------|---------------|-----------------------|-------------------------|
| Depth from ground level (ft) | Water Bearing | Lithology Description | |
| 35.00 | | Yellow Till | |
| 40.00 | | Blue Till | |
| 54.00 | | Shale | |
| 88.00 | | Sand | |
| 94.00 | | Rocks | |
| 120.00 | | Sand | |

| Yield Test Summary | | | Measurement in Imperial |
|---|----------------------------------|--------------------------------|-------------------------|
| Recommended Pump Rate <u>8.00 igpm</u> | | | |
| Test Date | Water Removal Rate (igpm) | Static Water Level (ft) | |
| 2001/11/01 | 8.00 | 41.17 | |

| Well Completion | | | | Measurement in Imperial |
|---|----------------------------|-----------------------------------|-------------------------|----------------------------------|
| Total Depth Drilled | Finished Well Depth | Start Date | End Date | |
| 120.00 ft | | 2001/11/01 | 2001/11/01 | |
| Borehole | | | | |
| Diameter (in) | From (ft) | To (ft) | | |
| 6.25 | 0.00 | 120.00 | | |
| Surface Casing (if applicable) | | Well Casing/Liner | | |
| Plastic | | Unknown | | |
| Size OD : <u>5.00 in</u> | | Size OD : _____ in | | |
| Wall Thickness : <u>0.291 in</u> | | Wall Thickness : _____ in | | |
| Bottom at : <u>90.00 ft</u> | | Top at : _____ ft | | |
| | | Bottom at : _____ ft | | |
| Perforations | | | | |
| From (ft) | To (ft) | Diameter or Slot Width(in) | Slot Length (in) | Hole or Slot Interval(in) |
| | | | | |
| Perforated by Unknown | | | | |
| Annular Seal Bentonite Chips/Tablets | | | | |
| Placed from <u>0.00 ft</u> to <u>90.00 ft</u> | | | | |
| Amount _____ | | | | |
| Other Seals | | | | |
| Type | | At (ft) | | |
| | | | | |
| Screen Type Stainless Steel | | | | |
| Size OD : <u>2.00 in</u> | | | | |
| From (ft) | To (ft) | Slot Size (in) | | |
| 90.00 | 100.00 | 2.000 | | |
| 90.00 | 100.00 | 0.010 | | |
| Attachment <u>Attached To Casing</u> | | | | |
| Top Fittings <u>Coupler</u> | | Bottom Fittings <u>Plug</u> | | |
| Pack | | | | |
| Type <u>Artificial</u> | | Grain Size <u>20-40</u> | | |
| Amount <u>5.00</u> Bags | | | | |

| Contractor Certification | |
|---|---|
| Name of Journeyman responsible for drilling/construction of well ARNOLD MORTON | Certification No VA2102 |
| Company Name MORTON'S WATER WELL DRILLING LTD. | Copy of Well report provided to owner Date approval holder signed |



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| Additional Information | | | | | | | | | | Measurement in Imperial |
|--|--|--|--|--|---------------------------------------|----------------|---|-----------------------------|--|---------------------------------|
| Distance From Top of Casing to Ground Level _____ 20.00 in | | | | | Is Artesian Flow _____ | | | | | Is Flow Control Installed _____ |
| Rate _____ igpm | | | | | Describe _____ | | | | | |
| Recommended Pump Rate _____ 8.00 igpm | | | | | Pump Installed Yes _____ | | Depth _____ ft | | | |
| Recommended Pump Intake Depth (From TOC) _____ 85.00 ft | | | | | Type SUB @ 85' | Make _____ | H.P. 1.5 | Model (Output Rating) _____ | | |
| Did you Encounter Saline Water (>4000 ppm TDS) _____ | | | | | Depth _____ ft | | Well Disinfected Upon Completion _____ | | | |
| Remedial Action Taken _____ | | | | | Gas _____ | Depth _____ ft | Geophysical Log Taken Electric _____ Submitted to ESRD _____ | | | |
| Additional Comments on Well _____ | | | | | Sample Collected for Potability _____ | | | Submitted to ESRD _____ | | |

| Yield Test | | | Taken From Ground Level | Measurement in Imperial | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------------------------|--------------------------------|--|-------------------------|-----------------------------|---------------|--|------|-------|--|------|-------|--|------|-------|--|------|-------|--|------|-------|--|------|-------|--|------|-------|--|------|-------|--|------|-------|--|-------|-------|--|-------|-------|--|-------|-------|--|--------|-------|--|
| | | | Depth to water level | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Date 2001/11/01 | Start Time 12:00 AM | Static Water Level 41.17 ft | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Method of Water Removal Type Pump _____ Removal Rate _____ 8.00 igpm Depth Withdrawn From _____ 80.00 ft | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| If water removal period was < 2 hours, explain why _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | <table border="1"> <thead> <tr> <th>Pumping (ft)</th> <th>Elapsed Time Minutes:Sec</th> <th>Recovery (ft)</th> </tr> </thead> <tbody> <tr><td></td><td>0:00</td><td>60.33</td></tr> <tr><td></td><td>1:00</td><td>57.58</td></tr> <tr><td></td><td>2:00</td><td>53.00</td></tr> <tr><td></td><td>3:00</td><td>49.50</td></tr> <tr><td></td><td>4:00</td><td>47.00</td></tr> <tr><td></td><td>5:00</td><td>45.08</td></tr> <tr><td></td><td>6:00</td><td>45.08</td></tr> <tr><td></td><td>7:00</td><td>43.25</td></tr> <tr><td></td><td>8:00</td><td>42.17</td></tr> <tr><td></td><td>12:00</td><td>41.42</td></tr> <tr><td></td><td>14:00</td><td>41.25</td></tr> <tr><td></td><td>16:00</td><td>41.17</td></tr> <tr><td></td><td>120:00</td><td>41.17</td></tr> </tbody> </table> | Pumping (ft) | Elapsed Time Minutes:Sec | Recovery (ft) | | 0:00 | 60.33 | | 1:00 | 57.58 | | 2:00 | 53.00 | | 3:00 | 49.50 | | 4:00 | 47.00 | | 5:00 | 45.08 | | 6:00 | 45.08 | | 7:00 | 43.25 | | 8:00 | 42.17 | | 12:00 | 41.42 | | 14:00 | 41.25 | | 16:00 | 41.17 | | 120:00 | 41.17 | |
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| Water Diverted for Drilling | | |
|-----------------------------|-----------------------|-----------------------------|
| Water Source _____ | Amount Taken _____ ig | Diversion Date & Time _____ |

| Contractor Certification | |
|---|---|
| Name of Journeyman responsible for drilling/construction of well ARNOLD MORTON | Certification No VA2102 |
| Company Name MORTON'S WATER WELL DRILLING LTD. | Copy of Well report provided to owner _____ Date approval holder signed _____ |