



# Water Well Drilling Report

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GIC Well ID 1022571  
GoA Well Tag No.  
Drilling Company Well ID 8212  
Date Report Received 2015/08/17

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	
<b>Owner Name</b> 1588803 ALBERTA LTD		<b>Address</b> 3150 114 AVE SE			<b>Town</b> CALGARY		<b>Province</b> ALBERTA		<b>Country</b> CANADA	<b>Postal Code</b> T2Z 3V6	
<b>Location</b>	<b>1/4 or LSD</b>	<b>SEC</b>	<b>TWP</b>	<b>RGE</b>	<b>W of MER</b>	<b>Lot</b>	<b>Block</b>	<b>Plan</b>	<b>Additional Description</b>		
	3	35	21	1	5						
<b>Measured from Boundary of</b>					<b>GPS Coordinates in Decimal Degrees (NAD 83)</b>						
_____ ft from _____					Latitude <u>50.822780</u> Longitude <u>-114.038277</u>					Elevation _____ ft	
_____ ft from _____					How Location Obtained					How Elevation Obtained	
					Hand held autonomous GPS 20-30m					Not Obtained	

Drilling Information	
<b>Method of Drilling</b> Rotary - Air	<b>Type of Work</b> New Well
<b>Proposed Well Use</b> Domestic	

Formation Log			Measurement in Imperial
Depth from ground level (ft)	Water Bearing	Lithology Description	
6.00		Brown Dry Clay	
8.00		Brown Dry Sand	
23.00		Brown Sandstone	
24.00		Brownish Green Hard Sandstone	
43.00		Brown Sandstone	
45.50		Brown Hard Sandstone	
139.00		Brown Sandstone	
141.00		Green Hard Sandstone	
148.00		Brown Sandstone	
151.00		Green Shale	
154.00		Green Sandstone	
163.00		Green Shale	
163.50		Green Shale	
169.00		Green Shale	
169.50		Green Sandstone	
174.00		Green Shale	
184.00		Green Sandstone	
190.00		Green Shale	
213.00		Brown Sandstone	
219.00		Green Sandstone	
225.00		Salt & Pepper Sandstone	
471.00	Yes	Green Sandstone	
486.50		Salt & Pepper Sandstone	
488.00		Green Shale	
491.50		Green Sandstone	

Yield Test Summary			Measurement in Imperial
<b>Recommended Pump Rate</b>		1.30 igpm	
<b>Test Date</b>	<b>Water Removal Rate (igpm)</b>	<b>Static Water Level (ft)</b>	
2015/07/20	1.30	145.00	

Well Completion				Measurement in Imperial
<b>Total Depth Drilled</b>	<b>Finished Well Depth</b>	<b>Start Date</b>	<b>End Date</b>	
491.50 ft	395.00 ft	2015/06/15	2015/06/18	
<b>Borehole</b>				
<b>Diameter (in)</b>	<b>From (ft)</b>	<b>To (ft)</b>		
7.88	0.00	37.00		
6.13	37.00	395.00		
<b>Surface Casing (if applicable)</b>		<b>Well Casing/Liner</b>		
Steel		Plastic		
Size OD : <u>6.63 in</u>		Size OD : <u>4.94 in</u>		
Wall Thickness : <u>0.188 in</u>		Wall Thickness : <u>0.122 in</u>		
Bottom at : <u>37.50 ft</u>		Top at : <u>35.00 ft</u>		
		Bottom at : <u>395.00 ft</u>		
<b>Perforations</b>				
<b>From (ft)</b>	<b>To (ft)</b>	<b>Diameter or Slot Width (in)</b>	<b>Slot Length (in)</b>	<b>Hole or Slot Interval (in)</b>
370.00	390.00	0.150	8.00	8.00
Perforated by Saw				
<b>Annular Seal</b> Bentonite Chips/Tablets				
Placed from <u>0.00 ft</u> to <u>37.50 ft</u>				
Amount <u>1.00 Bags</u>				
<b>Other Seals</b>				
<b>Type</b>		<b>At (ft)</b>		
Driven		37.50		
<b>Screen Type</b>				
Size OD : _____ in				
<b>From (ft)</b>		<b>To (ft)</b>		<b>Slot Size (in)</b>
Attachment _____				
Top Fittings _____		Bottom Fittings _____		
<b>Pack</b>				
Type <u>Natural</u>		Grain Size _____		
Amount _____				

Contractor Certification			
<b>Name of Journeyman responsible for drilling/construction of well</b> CHRIS QUINLAN		<b>Certification No</b> 48135A	
<b>Company Name</b> AARON DRILLING INC.		<b>Copy of Well report provided to owner</b> Yes	<b>Date approval holder signed</b> 2015/08/17



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Well Identification and Location										Measurement in Imperial	
<b>Owner Name</b> 1588803 ALBERTA LTD		<b>Address</b> 3150 114 AVE SE			<b>Town</b> CALGARY		<b>Province</b> ALBERTA		<b>Country</b> CANADA	<b>Postal Code</b> T2Z 3V6	
<b>Location</b>	<i>1/4 or LSD</i> 3	<i>SEC</i> 35	<i>TWP</i> 21	<i>RGE</i> 1	<i>W of MER</i> 5	<i>Lot</i>	<i>Block</i>	<i>Plan</i>	<i>Additional Description</i>		
<b>Measured from Boundary of</b> _____ ft from _____ _____ ft from _____					<b>GPS Coordinates in Decimal Degrees (NAD 83)</b> Latitude <u>50.822780</u> Longitude <u>-114.038277</u> How Location Obtained Hand held autonomous GPS 20-30m					Elevation _____ ft How Elevation Obtained Not Obtained	

Additional Information										Measurement in Imperial	
Distance From Top of Casing to Ground Level _____ 30.00 in					Is Artesian Flow _____						
Rate _____ igpm					Is Flow Control Installed _____ Describe _____						
Recommended Pump Rate _____ 1.30 igpm					Pump Installed _____		Depth _____ ft				
Recommended Pump Intake Depth (From TOC) _____ 390.00 ft					Type _____		Make _____		H.P. _____		
										Model (Output Rating) _____	
Did you Encounter Saline Water (>4000 ppm TDS) _____					Depth _____ ft		Well Disinfected Upon Completion <u>Yes</u>				
Gas _____					Depth _____ ft		Geophysical Log Taken _____ Submitted to ESRD _____				
Additional Comments on Well _____										Sample Collected for Potability _____ Submitted to ESRD _____	

Yield Test				Taken From Top of Casing		Measurement in Imperial	
				<i>Depth to water level</i>			
Test Date	Start Time	Static Water Level					
2015/07/20	8:00 AM	145.00 ft					
<b>Method of Water Removal</b>				Pumping (ft)		Elapsed Time	
Type Pump _____						Minutes:Sec	
Removal Rate _____ 1.30 igpm							
Depth Withdrawn From _____ 390.00 ft							
If water removal period was < 2 hours, explain why _____							
				Recovery (ft)			
				145.00		0:00	
				145.40		1:00	
				145.80		2:00	
				146.20		3:00	
				146.70		4:00	
				147.10		5:00	
				148.70		10:00	
				149.75		15:00	
				150.40		20:00	
				151.90		30:00	
				152.90		40:00	
				153.90		50:00	
				154.80		60:00	
				155.95		75:00	
				157.00		90:00	
				157.70		105:00	
				158.60		120:00	
				163.40		300:00	
				170.20		720:00	

Water Diverted for Drilling					
Water Source		Amount Taken		Diversion Date & Time	
CITY OF CALGARY		2000.00 ig		2015/06/15 8:00 AM	

Contractor Certification			
Name of Journeyman responsible for drilling/construction of well		Certification No	
CHRIS QUINLAN		48135A	
Company Name		Copy of Well report provided to owner	
AARON DRILLING INC.		Yes	
		Date approval holder signed	
		2015/08/17	