



Water Well Drilling Report

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GIC Well ID 1022570
GoA Well Tag No.
Drilling Company Well ID 8211
Date Report Received 2015/08/17

GOWN ID

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.

Well Identification and Location										Measurement in Imperial	
Owner Name 1588803 ALBERTA LTD		Address 3150 114 AVE SE			Town CALGARY		Province ALBERTA	Country CANADA	Postal Code T2Z 3V6		
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	3	35	21	1	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
_____ ft from _____					Latitude <u>50.822591</u> Longitude <u>-114.036871</u>					Elevation _____ ft	
_____ ft from _____					How Location Obtained Hand held autonomous GPS 20-30m					How Elevation Obtained Not Obtained	

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

Formation Log			Measurement in Imperial
Depth from ground level (ft)	Water Bearing	Lithology Description	
6.00		Brown Dry Sand	
47.00		Brown Sandstone	
50.00		Hard Sandstone	
66.00		Brown Sandstone	
81.00		Green Shale	
103.00		Brown Sandstone	
110.00		Green Shale	
114.00		Brown Sandstone	
134.00		Green Shale	
138.00		Green Sandstone	
140.00		Green Shale	
149.00		Green Sandstone	
152.00		Green Shale	
178.00		Green Sandstone	
196.00		Salt & Pepper Sandstone	
213.00	Yes	Green Weathered Sandstone	
215.50		Green Sandstone	

Yield Test Summary			Measurement in Imperial
Recommended Pump Rate		2.00 igpm	
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)	
2015/07/24	2.00	110.60	

Well Completion				Measurement in Imperial
Total Depth Drilled	Finished Well Depth	Start Date	End Date	
215.50 ft	215.00 ft	2015/07/03	2015/07/03	
Borehole				
Diameter (in)	From (ft)	To (ft)		
7.88	0.00	37.00		
6.13	37.00	215.50		
Surface Casing (if applicable)		Well Casing/Liner		
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>0.209 in</u>		
Bottom at : <u>37.50 ft</u>		Top at : <u>35.50 ft</u>		
		Bottom at : <u>215.50 ft</u>		
Perforations				
From (ft)	To (ft)	Diameter or Slot Width (in)	Slot Length (in)	Hole or Slot Interval (in)
190.50	210.50	0.150	8.00	8.00
Perforated by Saw				
Annular Seal Bentonite Chips/Tablets				
Placed from <u>0.00 ft</u> to <u>37.50 ft</u>				
Amount <u>1.00</u> Bags				
Other Seals				
Type		At (ft)		
Driven		37.50		
Screen Type				
Size OD : _____ in				
From (ft)	To (ft)	Slot Size (in)		
Attachment _____				
Top Fittings _____		Bottom Fittings _____		
Pack				
Type <u>Natural</u>		Grain Size _____		
Amount _____				

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



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Owner Name 1588803 ALBERTA LTD		Address 3150 114 AVE SE			Town CALGARY		Province ALBERTA		Country CANADA	Postal Code T2Z 3V6	
Location	<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>		
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
_____ ft from _____					Latitude <u>50.822591</u>		Longitude <u>-114.036871</u>		Elevation _____ ft		
_____ ft from _____					How Location Obtained Hand held autonomous GPS 20-30m					How Elevation Obtained Not Obtained	

Additional Information										Measurement in Imperial	
Distance From Top of Casing to Ground Level _____ 30.00 in					Is Artesian Flow _____					Is Flow Control Installed _____	
Rate _____ igpm					Describe _____						
Recommended Pump Rate _____ 2.00 igpm					Pump Installed _____		Depth _____ ft				
Recommended Pump Intake Depth (From TOC) _____ 210.00 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	
			Depth to water level			
Test Date 2015/07/24	Start Time 8:00 AM	Static Water Level 110.60 ft				
Method of Water Removal						
Type <u>PUMP</u>						
Removal Rate <u>2.00 igpm</u>						
Depth Withdrawn From <u>210.00 ft</u>						
If water removal period was < 2 hours, explain why _____						
			Pumping (ft)		Elapsed Time Minutes:Sec	Recovery (ft)
			110.60		0:00	121.50
			115.60		1:00	119.10
			119.80		2:00	117.00
			119.50		3:00	115.40
			119.45		4:00	114.00
			119.40		5:00	113.10
			119.50		10:00	111.10
			119.45		20:00	110.80
			120.90		30:00	110.80
			120.50		40:00	110.90
			121.00		50:00	110.80
			120.90		60:00	110.80
			118.80		75:00	110.80
			119.30		90:00	
			119.80		105:00	
			119.10		120:00	
			123.85		300:00	
			121.40		720:00	
			121.50		882:00	

Water Diverted for Drilling		
Water Source CITY OF CALGARY	Amount Taken 2000.00 ig	Diversion Date & Time 2015/07/03 8:00 AM

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