



Water Well Drilling Report

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GIC Well ID 1066404
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 2011/10/13

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 SMITH, JAMES		Address BOX 3, SITE 8, RR4			Town RIMBEY		Province ALBERTA	Country CANADA	Postal Code T0C 2J0		
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	1	1	42	5	5						
Measured from Boundary of				GPS Coordinates in Decimal Degrees (NAD 83)				Elevation			
_____ ft from				Latitude <u>52.584420</u> Longitude <u>-114.582640</u>				_____ 3096.00 ft			
_____ ft from				How Location Obtained				How Elevation Obtained			
				Differential corrected handheld GPS 5-10m				Differential corrected handheld GPS 5-10m			

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	
30.00		Clay	
34.00		Gray Sandstone	
46.00		Shale	
66.00		Gray Hard Sandstone	
79.00		Shale	
90.00		Gray Fine Grained Sandstone	
124.00		Shale	
128.00	Yes	Gray Fine Grained Sandstone	
129.00		Coal	
131.00		Gray Sandstone	
140.00		Shale	

Yield Test Summary			Measurement in Imperial
Recommended Pump Rate <u>10.00</u> igpm			
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)	
2011/07/25		17.00	

Well Completion				Measurement in Imperial
Total Depth Drilled	Finished Well Depth	Start Date	End Date	
140.00 ft	140.00 ft	2011/07/25	2011/07/25	
Borehole				
Diameter (in)	From (ft)	To (ft)		
6.75	0.00	119.00		
5.00	119.00	140.00		
Surface Casing (if applicable)		Well Casing/Liner		
Steel	Plastic			
Size OD : <u>5.56</u> in	Size OD : <u>4.50</u> in			
Wall Thickness : <u>0.256</u> in	Wall Thickness : <u>0.237</u> in			
Bottom at : <u>119.00</u> ft	Top at : <u>100.00</u> ft			
	Bottom at : <u>140.00</u> ft			
Perforations				
From (ft)	To (ft)	Diameter or Slot Width (in)	Slot Length (in)	Hole or Slot Interval (in)
120.00	132.00	0.375		12.00
Perforated by <u>Drill</u>				
Annular Seal <u>Bentonite Chips/Tablets</u>				
Placed from <u>100.00</u> ft to <u>119.00</u> ft				
Amount _____				
Other Seals				
Type		At (ft)		
Screen Type				
Size OD : _____ in				
From (ft)	To (ft)	Slot Size (in)		
Attachment _____				
Top Fittings _____		Bottom Fittings _____		
Pack				
Type _____		Grain Size _____		
Amount _____				

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well GARTH BUTCHER	Certification No VC0355
Company Name ALKEN BASIN DRILLING LTD.	Copy of Well report provided to owner Date approval holder signed 2011/07/25



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Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	1	1	42	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
_____ ft from _____					Latitude <u>52.584420</u> Longitude <u>-114.582640</u>					Elevation <u>3096.00</u> ft	
_____ ft from _____					How Location Obtained Differential corrected handheld GPS 5-10m					How Elevation Obtained Differential corrected handheld GPS 5-10m	

Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level _____ in										
Is Artesian Flow _____					Is Flow Control Installed _____					
Rate _____ igpm					Describe _____					
Recommended Pump Rate _____ 10.00 igpm					Pump Installed _____ Depth _____ ft					
Recommended Pump Intake Depth (From TOC) _____ 95.00 ft					Type _____ Make _____ H.P. _____					
					Model (Output Rating) _____					
Did you Encounter Saline Water (>4000 ppm TDS) _____					Depth _____ ft					Well Disinfected Upon Completion _____
Gas _____					Depth _____ ft					Geophysical Log Taken _____
Remedial Action 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
Test Date	Start Time	Static Water Level	Depth to water level		
2011/07/25	12:45 PM	17.00 ft	Pumping (ft)	Elapsed Time Minutes:Sec	Recovery (ft)
Method of Water Removal			17.00	0:00	70.00
Type <u>Pump and Air</u>			27.00	1:00	59.00
Removal Rate _____ igpm			35.00	2:00	48.00
Depth Withdrawn From <u>140.00</u> ft			42.00	3:00	38.00
If water removal period was < 2 hours, explain why _____			48.00	4:00	29.00
			53.00	5:00	21.00
			57.00	6:00	18.00
			60.00	7:00	17.00
			62.00	8:00	17.00
			63.00	9:00	17.00
			64.00	10:00	17.00
			65.00	12:00	17.00
			66.00	14:00	17.00
			66.00	16:00	17.00
			67.00	18:00	17.00
			67.00	20:00	17.00
			67.00	25:00	17.00
			68.00	30:00	17.00
			68.00	35:00	17.00
			68.00	40:00	17.00
			69.00	50:00	17.00
			69.00	60:00	17.00
			69.00	75:00	17.00
			69.00	90:00	17.00
			70.00	90:00	17.00
			70.00	120:00	17.00

Water Diverted for Drilling		
Water Source SHOP WELL	Amount Taken 1000.00 ig	Diversion Date & Time 2011/07/25 7:30 AM

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