



Water Well Drilling Report

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GIC Well ID 1889359
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 2016/03/17

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 PHILLIPS, BILL & BALL, LISA		Address P.O. BOX 211			Town BOYLE		Province ALBERTA		Country CANADA	Postal Code T0A 0M0	
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description WELL # 2		
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
_____ ft from _____					Latitude <u>54.585520</u> Longitude <u>-112.873060</u>					Elevation <u>1969.00</u> ft	
_____ ft from _____					How Location Obtained Differential corrected handheld GPS 5-10m					How Elevation Obtained Differential corrected handheld GPS 5-10m	

Drilling Information	
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	
20.00		Brown Sand & Clay	
80.00		Gray Mixed Sand & Shale	
90.00		Gray Shale	
110.00	Yes	Gray Hard Sandstone	
128.00	Yes	Gray Soft Sandstone	
130.00		Gray 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)	
2016/03/16	20.00	13.12	

Well Completion				Measurement in Imperial
Total Depth Drilled	Finished Well Depth	Start Date	End Date	
130.00 ft	128.00 ft	2016/03/15	2016/03/16	
Borehole				
Diameter (in)	From (ft)	To (ft)		
8.75	0.00	130.00		
Surface Casing (if applicable)		Well Casing/Liner		
		Plastic		
Size OD : _____ in	Size OD : _____ in			
Wall Thickness : _____ in	Wall Thickness : _____ in			
Bottom at : _____ ft	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				
Annular Seal Bentonite Slurry				
Placed from <u>0.00</u> ft to <u>90.00</u> ft				
Amount <u>6.00</u> Bags				
Other Seals				
Type		At (ft)		
Screen Type Slotted PVC				
Size OD : <u>6.00</u> in				
From (ft)	To (ft)	Slot Size (in)		
98.00	128.00	0.020		
Attachment <u>Attached To Casing</u>				
Top Fittings <u>Threaded</u>		Bottom Fittings <u>Plug</u>		
Pack				
Type <u>Silica Sand</u>		Grain Size <u>10-20</u>		
Amount <u>20.00</u> Bags				

Contractor Certification			
Name of Journeyman responsible for drilling/construction of well DAVID KASSIAN		Certification No 136320A	
Company Name HILL DRILLING LTD.		Copy of Well report provided to owner Yes	Date approval holder signed 2016/03/17



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Well Identification and Location										Measurement in Imperial		
Owner Name		Address			Town		Province		Country		Postal Code	
PHILLIPS, BILL & BALL, LISA		P.O. BOX 211			BOYLE		ALBERTA		CANADA		TOA 0M0	
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
13		31	64	19	4					WELL # 2		
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)							
_____ ft from _____					Latitude <u>54.585520</u> Longitude <u>-112.873060</u>					Elevation <u>1969.00</u> ft		
_____ ft from _____					How Location Obtained					How Elevation Obtained		
					Differential corrected handheld GPS 5-10m					Differential corrected handheld GPS 5-10m		

Additional Information										Measurement in Imperial	
Distance From Top of Casing to Ground Level <u>24.00</u> in											
Is Artesian Flow _____					Is Flow Control Installed _____						
Rate _____ igpm					Describe _____						
Recommended Pump Rate <u>10.00</u> igpm					Pump Installed <u>Yes</u>		Depth <u>95.00</u> ft				
Recommended Pump Intake Depth (From TOC) <u>95.00</u> ft					Type <u>Submersible</u>		Make <u>GRUNDFOS</u>		H.P. <u>0.75</u>		
										Model (Output Rating) <u>10SQE07-240</u>	
Did you Encounter Saline Water (>4000 ppm TDS) _____					Depth _____ ft		Well Disinfected Upon Completion <u>Yes</u>				
Gas _____					Depth _____ ft		Geophysical Log Taken <u>Electric</u>				
										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	Start Time	Static Water Level					
2016/03/16	11:00 AM	13.12 ft					
Method of Water Removal							
Type <u>Air</u>							
Removal Rate <u>20.00</u> igpm							
Depth Withdrawn From <u>130.00</u> ft							
If water removal period was < 2 hours, explain why _____							
				Pumping (ft)		Elapsed Time	
						Minutes:Sec	
						Recovery (ft)	
						0:00	
						127.95	
						1:00	
						100.23	
						2:00	
						82.35	
						3:00	
						68.80	
						4:00	
						58.40	
						5:00	
						50.26	
						6:00	
						43.96	
						7:00	
						38.81	
						8:00	
						34.88	
						9:00	
						31.99	
						10:00	
						29.66	
						12:00	
						26.31	
						14:00	
						24.08	
						16:00	
						22.64	
						20:00	
						20.83	
						25:00	
						19.62	
						30:00	
						18.77	
						35:00	
						18.21	
						40:00	
						17.81	
						50:00	
						17.09	
						60:00	
						16.73	

Water Diverted for Drilling					
Water Source		Amount Taken		Diversion Date & Time	
BOYLE CAMP SITE TRUCK FILL		2000.00 ig		2016/03/15 8:00 AM	

Contractor Certification			
Name of Journeyman responsible for drilling/construction of well		Certification No	
DAVID KASSIAN		136320A	
Company Name		Copy of Well report provided to owner	
HILL DRILLING LTD.		Yes	
		Date approval holder signed	
		2016/03/17	