



Water Well Drilling Report

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GIC Well ID 1421351
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 2013/02/01

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 DEVON CANADA CORP.		Address 2000, 400 - 3RD AVE SW			Town CALGARY		Province ALBERTA		Country CANADA		Postal Code T2P 4H2	
Location		1/4 or LSD 13	SEC 24	TWP 75	RGE 7	W of MER 4	Lot	Block	Plan	Additional Description PAD VV V		
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)							
_____ ft from _____					Latitude <u>55.517792</u> Longitude <u>-110.960003</u>					Elevation _____ ft		
_____ ft from _____					How Location Obtained Not Verified					How Elevation Obtained Not Obtained		

Drilling Information	
Method of Drilling Rotary - Mud	Type of Work New Well
Proposed Well Use Industrial	

Formation Log			Measurement in Imperial
Depth from ground level (ft)	Water Bearing	Lithology Description	
13.00		Brown Till	
39.00		Gray Till	
48.00		Brown Fine Grained Sand	
70.00		Gray Till	
80.00		Sand	
190.00		Gray Till	
235.00		Brown Fine Grained Sand	
360.00		Gray Till	
420.00		Brown Fine Grained Sand	

Yield Test Summary			Measurement in Imperial
Recommended Pump Rate <u>35.00</u> igpm			
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)	
2012/11/28	35.00	149.85	

Well Completion				Measurement in Imperial
Total Depth Drilled	Finished Well Depth	Start Date	End Date	
420.00 ft	412.00 ft	2012/11/26	2012/11/28	
Borehole				
Diameter (in)	From (ft)	To (ft)		
9.88	0.00	415.00		
6.25	415.00	420.00		
Surface Casing (if applicable)		Well Casing/Liner		
		Plastic		
Size OD : _____ in	Size OD : <u>6.00</u> in			
Wall Thickness : _____ in	Wall Thickness : <u>0.432</u> in			
Bottom at : _____ ft	Top at : <u>-2.00</u> ft			
		Bottom at : <u>392.00</u> ft		
Perforations				
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)
Perforated by				
Annular Seal Bentonite Chips/Tablets				
Placed from <u>0.00</u> ft to <u>380.00</u> ft				
Amount <u>30.00</u> Bags				
Other Seals				
Type		At (ft)		
Screen Type Stainless Steel				
Size OD : <u>6.00</u> in				
From (ft)	To (ft)	Slot Size (in)		
392.00	412.00	0.012		
Attachment <u>Attached To Casing</u>				
Top Fittings <u>Coupler</u>		Bottom Fittings <u>Plug</u>		
Pack				
Type <u>Artificial</u>		Grain Size <u>10-20</u>		
Amount <u>20.00</u> Bags				

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well DARELL LEPPER	Certification No 5449Q
Company Name LAKELAND DRILLING LTD.	Copy of Well report provided to owner Date approval holder signed Yes 2012/11/28



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Well Identification and Location										Measurement in Imperial		
Owner Name		Address			Town		Province		Country		Postal Code	
DEVON CANADA CORP.		2000, 400 - 3RD AVE SW			CALGARY		ALBERTA		CANADA		T2P 4H2	
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description			
	13	24	75	7	4				PAD VV V			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)							
_____ ft from _____					Latitude <u>55.517792</u> Longitude <u>-110.960003</u>					Elevation _____ ft		
_____ ft from _____					How Location Obtained					How Elevation Obtained		
					Not Verified					Not Obtained		

Additional Information										Measurement in Imperial		
Distance From Top of Casing to Ground Level _____ 24.00 in												
Is Artesian Flow _____					Is Flow Control Installed _____							
Rate _____ igpm					Describe _____							
Recommended Pump Rate _____ 35.00 igpm					Pump Installed <u>Yes</u>		Depth _____ 290.00 ft					
Recommended Pump Intake Depth (From TOC) _____ 240.00 ft					Type <u>Submersible</u>		Make <u>GRUNDFOS</u>		H.P. <u>Other</u>			
											Model (Output Rating) <u>25S-16</u>	
Did you Encounter Saline Water (>4000 ppm TDS) _____					Depth _____ ft		Well Disinfected Upon Completion <u>Yes</u>					
Remedial Action Taken _____					Gas _____		Depth _____ ft		Geophysical Log Taken <u>Electric</u>			
											Submitted to ESRD _____	
Additional Comments on Well											Sample Collected for Potability _____	
											Submitted to ESRD _____	
ANNULAR SEAL: ALSO 20 BAGS BENTONITE SLURRY, PUMP INSTALLED: 3HP												

Yield Test			Taken From Top of Casing		Measurement in Imperial	
Test Date	Start Time	Static Water Level	Depth to water level			
2012/11/28	1:15 PM	149.85 ft	Pumping (ft)	Elapsed Time	Recovery (ft)	
				Minutes:Sec		
Method of Water Removal			149.87	0:00	243.64	
Type <u>Pump</u>			176.02	1:00	224.28	
Removal Rate _____ 35.00 igpm			189.99	2:00	190.09	
Depth Withdrawn From _____ ft			199.57	3:00	178.35	
If water removal period was < 2 hours, explain why			204.92	4:00	168.24	
ALSO RAN AN AIR TEST @ 60 IGPM @ 410'			211.19	5:00	161.98	
			217.42	6:00	160.50	
			223.59	7:00	157.97	
			227.56	8:00	156.96	
			230.05	9:00	155.94	
			231.86	10:00	155.81	
			234.19	12:00	154.56	
			236.58	14:00	154.04	
			238.09	16:00	153.61	
			239.30	18:00	153.31	
			239.99	20:00	152.95	
			240.68	25:00	152.66	
			241.27	30:00	152.33	
			241.77	35:00	151.80	
			242.19	40:00	151.57	
			242.59	50:00	151.35	
			242.95	60:00	150.98	
			243.08	75:00	150.82	
			243.21	90:00	150.69	
			243.47	105:00	150.46	
			243.64	120:00	150.30	

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
PLANT	2000.00 ig	2012/11/26 1:00 PM

Contractor Certification			
Name of Journeyman responsible for drilling/construction of well		Certification No	
DARELL LEPPER		5449Q	
Company Name		Copy of Well report provided to owner	Date approval holder signed
LAKELAND DRILLING LTD.		Yes	2012/11/28