



# 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		
<b>Owner Name</b> DEVON CANADA CORP.		<b>Address</b> 2000, 400 - 3RD AVE SW			<b>Town</b> CALGARY		<b>Province</b> ALBERTA		<b>Country</b> CANADA		<b>Postal Code</b> T2P 4H2	
<b>Location</b>		<i>1/4 or LSD</i> 13	<i>SEC</i> 24	<i>TWP</i> 75	<i>RGE</i> 7	<i>W of MER</i> 4	<i>Lot</i>	<i>Block</i>	<i>Plan</i>	<i>Additional Description</i> PAD VV V		
<b>Measured from Boundary of</b>					<b>GPS Coordinates in Decimal Degrees (NAD 83)</b>							
_____ 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	
<b>Method of Drilling</b> Rotary - Mud	<b>Type of Work</b> New Well
<b>Proposed Well Use</b> 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
<i>Recommended Pump Rate</i>		<u>35.00 igpm</u>	
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)	
2012/11/28	35.00	149.85	

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

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



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<b>Location</b>	1/4 or LSD 13	SEC 24	TWP 75	RGE 7	W of MER 4	Lot	Block	Plan	Additional Description PAD VV V		
<b>Measured from Boundary of</b>					<b>GPS Coordinates in Decimal Degrees (NAD 83)</b>						
_____ 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	

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 _____	
											Sample Collected for Potability _____	Submitted to ESRD _____
Additional Comments on Well 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				
<b>Method of Water Removal</b>						
Type <u>Pump</u>						
Removal Rate _____ 35.00 igpm						
Depth Withdrawn From _____ ft						
If water removal period was < 2 hours, explain why ALSO RAN AN AIR TEST @ 60 IGPM @ 410'						
			Pumping (ft)	Elapsed Time Minutes:Sec	Recovery (ft)	
			149.87	0:00	243.64	
			176.02	1:00	224.28	
			189.99	2:00	190.09	
			199.57	3:00	178.35	
			204.92	4:00	168.24	
			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 PLANT	Amount Taken 2000.00 ig	Diversion Date & Time 2012/11/26 1:00 PM

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 Yes	Date approval holder signed 2012/11/28