Water Well Drilling Report

View in Metric | Export to Excel

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.

GOWN ID

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

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
ft from
ft from

GPS Coordinates in Decimal Degrees (NAD 83)
Latitude 55.517792 Longitude -110.960003
How Location Obtained
Not Verified

Elevation ft
How Elevation Obtained
Not Obtained

Drilling Information

Method of Drilling
Rotary - Mud

Proposed Well Use
Industrial

Type of Work
New Well

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 35.00 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)
Size OD : in
Wall Thickness : in
Bottom at : ft

Well Casing/Liner
Plastic
Size OD : 6.00 in
Wall Thickness : 0.432 in
Top at : -2.00 ft
Bottom at : 392.00 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 0.00 ft to 380.00 ft
Amount 30.00 Bags

Other Seals

Type	At (ft)

Screen Type Stainless Steel
Size OD : 6.00 in

From (ft)	To (ft)	Slot Size (in)
392.00	412.00	0.012

Attachment Attached To Casing
Top Fittings Coupler
Bottom Fittings Plug

Pack
Type Artificial
Grain Size 10-20
Amount 20.00 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
Yes

Date approval holder signed
2012/11/28

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Measured from Boundary of
ft from
ft from

GPS Coordinates in Decimal Degrees (NAD 83)
Latitude 55.517792 Longitude -110.960003
How Location Obtained: Not Verified

Elevation ft
How Elevation Obtained: Not Obtained

Additional Information

Measurement in Imperial

Distance From Top of Casing to Ground Level 24.00 in
Is Artesian Flow
Rate igpm
Is Flow Control Installed
Describe

Recommended Pump Rate 35.00 igpm
Recommended Pump Intake Depth (From TOC) 240.00 ft
Pump Installed Yes
Type Submersible
Depth 290.00 ft
Make GRUNDFOS
H.P. Other
Model (Output Rating) 25S-16

Did you Encounter Saline Water (>4000 ppm TDS)
Depth ft
Gas
Depth ft
Remedial Action Taken
Well Disinfected Upon Completion Yes
Geophysical Log Taken Electric
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
Depth to water level

Measurement in Imperial

Test Date 2012/11/28
Start Time 1:15 PM
Static Water Level 149.85 ft

Method of Water Removal

Type Pump
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	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: 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