

**GOWN ID** 

## **Water Well Drilling Report**

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

**View in Metric Export to Excel** 

1106469

2013/02/16

GIC Well ID GoA Well Tag No.

**Drilling Company Well ID** Date Report Received

2013/03/04

Well Identification and Location Measurement in Imperial Postal Code Owner Name Address Town Province Country ALBERTA ENVIRONMENT **EDMONTON** 111-4999 98 AVE ALBERTA CANADA T6B 2X3 1/4 or LSD SEC TWP RGE Block Additional Description W of MER Plan Location Lot BUCK LAKE DEEP OBSERVATION WELL FRACKING 4 15 46 7 5 WELL PROJECT 307076-044 GPS Coordinates in Decimal Degrees (NAD 83) Measured from Boundary of 2969.02 ft Latitude 52.960579 Longitude -114.943325 Elevation ft from How Location Obtained How Elevation Obtained ft from Surveyed GPS <1m Surveyed GPS <1m

**Drilling Information** Method of Drilling

Rotary - Air

Proposed Well Use

Type of Work New Well

Observation

Observation		I
Formation Log		Measurement in Imperial
Depth from ground level (ft)	Water Bearing	Lithology Description
1.97		Black Loamy Topsoil
2.95		Light Brown Silty Clay
4.92		Brown Moist Till
29.98		Brown Clay & Rocks
35.00		Brown Clayey Till
50.20		Brown Moist Clay & Rocks
57.40		Brown Moist Sand & Gravel
89.57		Brown Clayey Till
119.75		Light Gray Fine Grained Sandstone
122.05		Gray Dry Shale
141.08	Yes	Light Gray Medium Grained Sandstone
145.01		Gray Hard Shale
160.10		Light Gray Fine Grained Sandstone
168.31		Green Hard Shale
187.34	Yes	Light Gray Fine Grained Sandstone
197.51		Green Firm Shale
261.48	Yes	Light Gray Coarse Grained Sandstone
266.40		Gray Firm Shale
294.29	Yes	Light Gray Fine Grained Sandstone
295.93		Brownish Gray Firm Shale
346.13	Yes	Light Gray Fine Grained Sandstone
363.52		Gray Firm Shale
368.11		Light Gray Hard Sandstone
377.95		Gray Hard Shale
380.58	Yes	Light Gray Fine Grained Sandstone
390.42		Gray Firm Shale
396.98	Yes	Light Gray Very Fine Grained Sandstone
416.50		Gray Firm Shale
418.00		Light Gray Fine Grained Sandstone

Yield Test Summary					Meası	Measurement in Imperial		
Recommended Pump Rate			1.00 igpm					
	Test Date Water Ren		noval Rate (igpm)		Static \	Static Water Level (ft)		
	2013/02/16	1.09				364.20		
Well Completion					Measi	urement in Imp	perial	
	Total Depth Drilled	Finished	Well Depth	Start D	ate	End Date		

2013/02/06

Borehole						
Diameter (in)	From (ft)	To (ft)				
7.88	0.00	33.00				
6.25	33.00	353.00				
5.00	353.00	418.00				

	7.88		0.00		33.00	
	6.25		33.00		353.00	
	5.00		353.00	418.00		
Surfa Steel	Surface Casing (if applicable) Steel		Well Casing/Liner Plastic			
	Size OD ·	5.56 in	Size	OD ·	4.50 in	

Size OD: 5.56 in Size OD: 0.258 in 0.213 in Wall Thickness: Wall Thickness: Bottom at: 353.51 ft Top at: 327.13 ft 408.79 ft Bottom at:

**Perforations** Diameter or Slot Length Hole or Slot From (ft) To (ft) Slot Width(in) (in) Interval(in) 348.98 0.25 408.79 0.020 2.00

Perforated by Annular Seal Cement/Grout Placed from 0.00 ft to 353.00 ft

26.00 Sacks Amount

408.79 ft

Other Seals Type At (ft) 353.51 K-Packer 327.13

Screen Type

418.00 ft

Size OD:

To (ft) Slot Size (in) From (ft)

Attachment \_ Top Fittings \_\_\_

Bottom Fittings

Pack

Grain Size Type Amount

Contractor Certification

Name of Journeyman responsible for drilling/construction of well

DOUG SMITH

Company Name

ASHBURN DRILLING LTD.

Certification No

VB3650

Copy of Well report provided to owner

Date approval holder signed

2013/03/03 Yes

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Yield Test			Taken	From Ground Level	Measurement in Imperial	
Test Date	Start Time 12:40 PM	Static Water Level	Depth to water level			
2013/02/16		364.20 ft	Pumping (ft)	Elapsed Time Minutes:Sec	Recovery (ft)	
				0:00	396.98	
Method of Water F	Removal			1:00	387.47	
	Type Pump			1:15	380.25	
Removal		m		1:45	378.28	
		<u>"</u> "		2:08	375.33	
Depth Withdrawn I	From 396.98 ft	_		2:15	373.36	
				2:30	371.72	
If water removal pe	riod was < 2 hours, explain	why		2:45	370.08	
				3:00	368.77	
				3:33	368.11	
				4:00	367.78	
				4:30	367.78	
				5:00	367.45	
				6:00	367.45	
				8:00	367.13	
				10:00	367.13	
				15:00	366.80	
				18:00	366.47	
				20:00	366.47	
				30:00	366.47	
				40:00	366.47	
				50:00	366.47	
				80:00	366.47	
				110:00	366.14	
				140:00	366.14	

Water Diverted for Drilling Diversion Date & Time Water Source Amount Taken TOWN OF EDSON 500.00 2013/02/06 7:00 AM ig

Contractor Certification

Name of Journeyman responsible for drilling/construction of well

DOUG SMITH

Company Name ASHBURN DRILLING LTD. Certification No

VB3650

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Date approval holder signed

2013/03/03 Yes

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