

APPENDIX II

Alberta Water Well Records



Water Well Drilling Report

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GIC Well ID 357688
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1990/11/08

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

Well Identification and Location										Measurement in Metric
Owner Name ANLI, JIM		Address 5812 BAROC RD NW			Town CALGARY		Province AB	Country CA	Postal Code	
Location	<i>1/4 or LSD</i> SE	<i>SEC</i> 2	<i>TWP</i> 25	<i>RGE</i> 2	<i>W of MER</i> 5	<i>Lot</i>	<i>Block</i>	<i>Plan</i>	<i>Additional Description</i>	
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)					
_____ m from _____					Latitude <u>51.103332</u> Longitude <u>-114.176073</u>			Elevation _____ m		
_____ m from _____					How Location Obtained Not Verified			How Elevation Obtained Not Obtained		

Drilling Information	
Method of Drilling Rotary	Type of Work New Well
Proposed Well Use Domestic	

Formation Log			Measurement in Metric
Depth from ground level (m)	Water Bearing	Lithology Description	
5.49		Clay	
8.53		Rounded Gravel	
10.06		Clay & Gravel	
19.81		Clay	
25.91		Blue Shale	
26.52		Sandstone	
26.82		Gray Shale	
27.43		Sandstone	
28.35		Gray Shale	
28.96		Sandstone	
30.48		Blue Shale	
31.70		Sandstone	
32.61		Yellow Shale	
33.53		Sandstone	
34.14		Gray Shale	
36.27		Yellow Shale	
54.86		Yellow Fractured Sandstone	

Yield Test Summary			Measurement in Metric
<i>Recommended Pump Rate</i> <u>27.28</u> L/min			
<i>Test Date</i>	<i>Water Removal Rate (L/min)</i>	<i>Static Water Level (m)</i>	
1990/10/27	34.10	42.67	

Well Completion				Measurement in Metric
<i>Total Depth Drilled</i>	<i>Finished Well Depth</i>	<i>Start Date</i>	<i>End Date</i>	
54.86 m		1990/10/26	1990/10/27	
Borehole				
<i>Diameter (cm)</i>	<i>From (m)</i>	<i>To (m)</i>		
0.00	0.00	54.86		
Surface Casing (if applicable)		Well Casing/Liner		
Steel		Plastic		
<i>Size OD :</i> <u>16.81</u> cm		<i>Size OD :</i> <u>11.43</u> cm		
<i>Wall Thickness :</i> <u>0.478</u> cm		<i>Wall Thickness :</i> <u>0.602</u> cm		
<i>Bottom at :</i> <u>10.67</u> m		<i>Top at :</i> <u>6.10</u> m		
		<i>Bottom at :</i> <u>54.86</u> m		
Perforations				
<i>From (m)</i>	<i>To (m)</i>	<i>Diameter or Slot Width (cm)</i>	<i>Slot Length (cm)</i>	<i>Hole or Slot Interval (cm)</i>
48.77	54.86	0.318		20.32
<i>Perforated by</i> Other				
Annular Seal Driven				
<i>Placed from</i> <u>0.00</u> m to <u>10.67</u> m				
<i>Amount</i> _____				
Other Seals				
<i>Type</i>		<i>At (m)</i>		
_____		_____		
Screen Type				
<i>Size OD :</i> <u>0.00</u> cm				
<i>From (m)</i>	<i>To (m)</i>	<i>Slot Size (cm)</i>		
_____	_____	_____		
<i>Attachment</i> _____				
<i>Top Fittings</i> _____		<i>Bottom Fittings</i> _____		
Pack				
<i>Type</i> <u>Unknown</u>		<i>Grain Size</i> _____		
<i>Amount</i> <u>0.00</u> Unknown				

Contractor Certification	
<i>Name of Journeyman responsible for drilling/construction of well</i> UNKNOWN NA DRILLER	<i>Certification No</i> 1
<i>Company Name</i> BIG ROCK WATER WELL DRILLING	<i>Copy of Well report provided to owner</i> <i>Date approval holder signed</i>



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Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
_____ m from _____					Latitude <u>51.103332</u>		Longitude <u>-114.176073</u>		Elevation _____ m		
_____ m from _____					How Location Obtained					How Elevation Obtained	
					Not Verified					Not Obtained	

Additional Information										Measurement in Metric	
Distance From Top of Casing to Ground Level _____ cm											
Is Artesian Flow _____					Is Flow Control Installed _____						
Rate _____ L/min					Describe _____						
Recommended Pump Rate _____ 27.28 L/min					Pump Installed _____		Depth _____ m				
Recommended Pump Intake Depth (From TOC) _____ 0.00 m					Type _____	Make _____	H.P. _____	Model (Output Rating) _____			
Did you Encounter Saline Water (>4000 ppm TDS) _____					Depth _____ m		Well Disinfected Upon Completion _____				
Gas _____					Depth _____ m		Geophysical Log Taken _____				
					Submitted to ESRD _____						
Additional Comments on Well					Sample Collected for Potability _____					Submitted to ESRD _____	
SHALE TRAP ON LINER @ 80' & 120'. NO LOCATION GIVEN IN SECTION SO SE USED											

Yield Test			Taken From Ground Level	Measurement in Metric	
			Depth to water level		
Test Date 1990/10/27	Start Time 12:00 AM	Static Water Level 42.67 m	Pumping (m)	Elapsed Time Minutes:Sec	Recovery (m)
Method of Water Removal					
Type Air _____					
Removal Rate _____ 34.10 L/min					
Depth Withdrawn From _____ 51.82 m					
If water removal period was < 2 hours, explain why					

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	L	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well UNKNOWN NA DRILLER	Certification No 1
Company Name BIG ROCK WATER WELL DRILLING	Copy of Well report provided to owner Date approval holder signed