

Water Well Drilling Report

The data contained in this report is supplied by the Driller. The province disclaims responsibility for its accuracy. All information on this report will be retained in a public database.

1 Contractor & Well Owner Information

Company Name: Aiken Basin Drilling LTD Approval No: 966

Mailing Address: Box 47 Bentley AB Postal Code: T0C-0S0

Well Owner's Name: Royston Remedios Well Owner has a copy of this report: Yes No

Mailing Address: 219 Malvern Dr NE Calgary AB Postal Code: T2A-5G4

2 Well Location

Well I.D. Map verified Date report received:

1/4 of LSD	Sec	Twp	Range	Well No
NW	24	40	21	4

LOCATION QUARTER: NW 24 40 21 4

m/ft from N S E W

Lot: 7 Block: 7 Plan: 7

3 Drilling Information

Type of Work: Testhole New Well Reconstructed Deepened

Decommissioned Well ID (if applicable): _____ Date Completed: _____

Casing or liner removed (specify): _____

Plugging Material: Cement High Solids Bentonite Hydrated Bentonite

Method of Drilling: Auger Boring Cable tool Rotary Combination Backhoe Other: _____

Proposed well use: Household (up to 1250 m³ per year with a residence on the property) Other Specify: _____

6 Well Yield

Test Date: 7/6/19 Start Time: _____

Test method: Pump Bailor Air

Are measurements in metric or imperial? Imperial

Non pumping static water level: 123

Rate of water removal: 30 GPM

4 Formation Log

Depth from ground level	Lithology Description	<input type="checkbox"/> metres <input checked="" type="checkbox"/> feet
0-30	Sand Bro	
30-110	Sandy Clay Bro	
110-175	Silty Clay Bro	
175-200	Sandy Clay Gry	
200-206	Sh Bro	
206-215	Sh Gry	
215-218	SS Gry	
218-241	Sh Gry	
241-243	SS Gry (Frac) -	
243-260	Sh Gry	

5 Well Completion

Date Started: 7/6/19 Date Completed: 7/16/19

Are measurements in metric or imperial? Imperial

Casing Details:

	Surface Seal	Casing	Liner/Inner Casing
Diameter of borehole		<u>6 1/4</u>	<u>5"</u>
Casing type		<u>Steel</u>	<u>PVC</u>
Size OD		<u>5 9/16</u>	<u>4 1/2</u>
Wall thickness		<u>258</u>	<u>237</u>
Bottom at		<u>208</u>	<u>260</u>
Top at		<u>+2</u>	<u>120</u>

Annular Sealant: Cement Bentonite Driven Shale Trap

From: 208 To: +2 From: 120 To: 260

Production Interval Details:

Perforations: from 235 to 243

Perforation size: 3/8 X 3/8

Perforated by: Saw Torch Machine Other: Drill

Screen type: _____ Size OD: _____

Depth of pump intake if pump tested: 230'

Depth bailed or air tested from: 260'

Water level at end of water removal period: 260'

Distance from top of casing to ground level: 2'

Measurements taken from: table

Depth to water level

Elapsed Time (minutes)	Pumping	Recovery
0		<u>260'</u>
1	<u>Tested</u>	<u>238'</u>
2	<u>with</u>	<u>197'</u>
3	<u>Drill pipe</u>	<u>172'</u>
4	<u>in hole</u>	<u>152'</u>
5		<u>147'</u>
6		<u>138'</u>
7		<u>130'</u>
8		<u>128'</u>
9		<u>129'</u>
10		<u>126'</u>
12		<u>123'</u>
14		
16		
20		
25		
30		
35		
40		
50		
60		<u>123</u>
75		
90		
105		
120		<u>123</u>

Water Used to Drill Well: Location of Water Source: Stetler Pony Creek

Water Diversion Date: 7/6/19 Time: 10:00 am

Amount Water Taken: 100 Litres/Imp. Gallons

GPS Co-ordinates (Decimal Degrees): Latitude: _____ Longitude: _____ GPS Elevation: _____

Level of GPS Accuracy: Diff. Corr. Hand Held 5-10m Surveyed GPS <1m Hand Held Auto 20-30m

Geophysical Log taken: Electric Gamma

Did you encounter: Mineralized water more than 4000 ppm TDS Gas At what depth: _____

Remedial action taken: _____

Additional Comments: _____

7 Contractor Certification

Driller's Name: Leonard Blair (RP)

Certification No.: DA3129

This well was constructed in accordance with the Water (Ministerial) Regulation of the Water Act. All information in this report is true.

Signature: _____ Date: 07/16/19

Installation: Attached to casing Telescoped

Fittings: Top Packer Coupler Bottom Wash-down Bail Plug

Pack: Artificial/Mechanical Natural

Grain size: _____ Amount: _____

If water removal was less than 2 hr. duration, reason why: no

Recommended pumping rate: 10 GPM

Recommended pump intake: 200'

Pump installed Yes No Depth: _____

Type: _____ Model: _____ H.P.: _____