



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: Alken Basin Drilling Approval No.: 966
 Mailing Address: Box 47 City or Town: Bentley AB Postal Code: T0C-0J0
 Well Owner's Name: Sandy Point Farms Well Owner has a copy of this report: ☒ Yes ☐ No
 Mailing Address: Box 119 City or Town: Bentley AB Postal Code: T0C-0J0

2 Drilling Information

Type of Well: ☐ Testhole ☒ New Well ☐ Reconditioned ☐ Deepened
☐ Reclaimed well Date reclaimed: ☐ ☐ Materials Used: ☐ Bentonite Product ☐ Other
☐ Cement ☐ Other
 Drilling Method: ☒ Auger ☐ Boring ☐ Cable tool ☐ Backhoe ☐ Other
☒ Rotary ☐ Combination ☐ Other

3 Formation Log

Depth from ground level: ✓

0-17	Clay Brown
17-24	SS Brown
24-30	Shale Brown
30-34	SS Brown Green
34-37	Shale Green Brown Franc.
37-40	Shale Gray
40-44	SS Gray Hard
44-56	Shale Gray
56-59	SS Gray
59-70	Shale Gray
70-73	Shale Green
73-81	SS Gray
81-90	Shale Gray

4 Well Completion

Date Started: 02/11/13 Date Completed: 02/11/13
 Are measurements in metric or imperial? ☐ Metric ☒ Imperial
 Well Depth: 90' Borehole diameter: 5"
 Casing type: Steel Liner type: PVC
 Size OD: 5 9/16 Size OD: 4 1/2"
 Wall thickness: .258 Wall thickness: SDR-21
 Bottom at: 37' Top: 30' Bottom: 90'
 Perforations: from 70' to 80'
 from: to:
 Perforation size: 1/2" x 1/2"
 Perforated by: ☐ Saw ☐ Torch ☒ Machine ☒ Other: Drill
 Seal: ☒ Bentonite product ☒ Driven ☐ Cement/Grout ☐ Other:
 Sealed interval: Drive shoe from: 0 to: 37'
 Screen type: Size OD:
 Intervals: from: to: slot size:
 from: to: slot size:
 Installation: ☐ Attached to casing ☐ Telescoped
 Fittings: Top ☐ Packer Bottom ☐ Wash-down ☐ Rod ☐ Plug
☐ Coupler ☐ Natural
 Pack: ☐ Artificial/Mechanical ☐ Natural
 Grain size: Amount

Geophysical Log taken: ☐ Electric ☐ Gamma
 Did you encounter: ☐ Mineralized water more than 4000 ppm TDS ☐ Gas

At what depth:
 Remedial action taken:

5 Contractor Certification

Driller's Name: Leonard Blair (R)
 Certification No.: UA 3129

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

Signature: [Signature] Date: 02/11/13

Well I.D.

Map verified

Date report received:

6 Well Location

Location: 10 1 41 1 W5
 Section: 10 Township: 1 Range: 41 Meridian: 1
 UTM Zone: 18 UTM Easting: 10 UTM Northing: 41
 UTM Easting: 10 UTM Northing: 41

7 Well Yield

Test Date: 02/11/13 Start Time:
 Test method: ☐ Pump ☐ Bailor ☒ Air
 Non pumping static water level: 23'
 Ratio of water removal: 206 GPM
 Depth of pump intake: 80'
 Depth bailed or air tested from: 90'
 Distance from test of casing to ground level: 3'

Pumping	Elapsed Time minutes	Recovery
	0	
9.65	1	8.25
10.70	2	7.98
11.12	3	7.86
11.35	4	7.76
11.45	5	7.75
11.52	6	7.73
11.58	7	7.69
11.62	8	7.67
11.64	9	7.64
11.66	10	7.63
	12	
11.76	14	7.58
	16	
11.78	20	7.54
11.85	25	7.53
11.92	30	7.50
	35	
12.17	40	7.47
12.25	50	7.44
12.40	60	7.43
12.25	75	7.41
12.15	90	7.38
	105	
12.31	120	7.33

Total Drawdown: 5.16 m

If water removal was less than 2 hr. duration, reason why:

Recommended pumping rate: 206 GPMRecommended pump intake: 70'Pump installed: ☐ Yes ☒ Depth:

Type:

Any further pump test information? ☒ ☐

Contact: Waterline Resources
273-3564



Water Well Drilling Report

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Contractor & Well Owner Information

Company Name: Alken Basin Drilling Approval No.: 966
 Mailing Address: Box 47 City or Town: Bentley Ab Postal Code: T0C-0S0
 Well Owner's Name: Sandy Point Farms Well Owner has a copy of this report ☒ Yes ☐ No
 Mailing Address: Box 119 City or Town: Bentley Ab Postal Code: T0C-0S0

Drilling Information

Well Type: ☐ Testhole ☒ New well ☐ Reconditioned ☐ Deepened
☐ Reclaimed well ☐ Materials Used ☐ Bentonite Product ☐ Household (up to 1250 m³ per year with a residence on the property)
☐ Cement ☐ Other
 Drilling Method: ☒ Auger ☐ Boring ☐ Cable tool ☐ Other
☒ Rotary ☐ Combination ☐ Backhoe ☐ Other

Formation Log

Depth from ground level: 180'

0-14	Clay Brown
14-24	SS Brown
24-36	Shale Brown
36-39	Shale Gray
39-45	SS Gray
45-48	Shale Gray
48-58	SS Gray
58-72	Shale Gray
72-81	SS Gray
81-107	Shale Gray
107-170	SS Gray
170-180	Shale Gray

Well Completion

Date Started: 02/11/13 Date Completed: 02/11/13

Artificial lift systems in the well or on the property?

Well Depth: 180' Borehole diameter: 5"

Casing type: Steel Liner type: PVC

Size OD: 5 9/16" Size OD: 4 1/2"

Wall thickness: .258 Wall thickness: SDR-21

Bottom at: 97' Top: 80' Bottom: 180'

Perforations: from: 120' to: 170'

Perforation size: 1/2" x 1/2"

Perforated by: ☐ Saw ☐ Torch ☒ Other: Drill

Seal: ☒ Bentonite product ☐ Cement / Grout ☐ Other:

Sealed interval: Drive Shoe from: 0 to: 97'

Seal type: 0 Size OD:

Intervals: from: 0 to: 97' slot size:

Installation: ☐ Attached to casing ☐ Telescoped

Fittings: Top ☐ Packer ☐ Coupler ☐ Wash down ☐ Bail ☐ Plug

Grain: ☐ Artificial/Mechanical ☐ Natural

Grain size: 0 Amount:

Contractor Certification

Driller's Name: Leonard Blair (R)

Certification No.: UA3129

This well was constructed in accordance with the Water

Ministerial Regulation of the Water Act. All information in

this report is true.

Signature: Leonard Blair Date: 02/11/13

Well No. Day

Geophysical Log taken: ☐ Electric ☐ Gamma

Did you encounter: ☐ Mineralized water more than 4000 ppm TDS

☐ Gas

At what depth:

Remedial action taken:

Well I.D.

Map verified

Date report received:

Well Location

10 1 41 1 WS

Well Yield

Test Date: 02/11/13 Start Time:

Test method: ☐ Pump ☐ Bailor ☒ Air

Non pumping static water level: 24'

Rate of water removal: 50 GPM

Depth of pump intake: 170'

If pump tested: 170'

Depth bailed or tested from: 180'

Distance from top of casing to ground level: 3'

Desired water level

Elapsed Time

Pumping minutes recovery

0 10.10

1 8.00

2 7.81

3 7.77

4 7.74

5 7.72

6 7.71

7 7.70

8 7.69

9 7.68

10 7.65

11 7.63

12 7.62

13 7.62

14 7.60

15 7.59

16 7.57

17 7.56

18 7.55

19 7.54

20 12.49 M

Recommended pumping rate: 50 GPM

Recommended pump intake: 170 ft

Pump installed: ☐ Yes ☐ No

Type

Any further pump test information? ☒ Yes ☐ No

Contact Water Resources

273-3564



Water Well Drilling Report

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Well I.D.

Map verified

Date report received:

Well Location

14 or less	15 to 30	31 to 45	46 to 60	61 to 75	76 to 90	91 to 105	106 to 120	121 to 135	136 to 150	151 to 165	166 to 180	181 to 195	196 to 210	211 to 225	226 to 240	241 to 255	256 to 270	271 to 285	286 to 300	301 to 315	316 to 330	331 to 345	346 to 360	361 to 375	376 to 390	391 to 405	406 to 420	421 to 435	436 to 450	451 to 465	466 to 480	481 to 495	496 to 510	511 to 525	526 to 540	541 to 555	556 to 570	571 to 585	586 to 600	601 to 615	616 to 630	631 to 645	646 to 660	661 to 675	676 to 690	691 to 705	706 to 720	721 to 735	736 to 750	751 to 765	766 to 780	781 to 795	796 to 810	811 to 825	826 to 840	841 to 855	856 to 870	871 to 885	886 to 900	901 to 915	916 to 930	931 to 945	946 to 960	961 to 975	976 to 990	991 to 1000
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Well Yield

Test Date	2-11-08	Start Time	
Test Method	Pump	Rate	50 gpm
Non-pumping static water level	23 ft		

Rate of water removal	50 gpm
Depth of pump intake if pump tested	160 ft
Depth drilled or air tested from	180 ft
Distance from top of casing to ground level	3 ft

Pumping	Elapsed Time		Recovery
	minutes	seconds	
	0		
15.40	1		10.10
17.50	2		8.50
18.42	3		7.81
18.63	4		7.77
19.05	5		7.74
19.22	6		7.72
19.41	7		7.71
19.52	8		7.70
19.62	9		7.69
19.64	10		7.68
19.80	12		7.66
19.82	14		7.65
19.84	16		7.64
19.88	20		7.63
19.76	25		7.62
19.74	30		7.62
19.71	35		7.61
19.72	40		7.60
19.77	50		7.59
19.82	60		7.57
19.87	75		7.56
19.92	90		7.54
19.95	105		7.52
19.98	120		7.52

Total Drawdown

If water removal was less than 2 hr duration, reason why:

Recommended pumping rate: 50 gpm
Recommended pump intake: 160 ft

Pump installed: ☒ Yes Depth:
Type:
Any further pump test information? ☒

Contact: Water Line Resources
1-403-273-7500

Contractor & Well Owner Information

Company Name	Alken Basin Drilling Ltd	Approval No.	966
Mailing Address	Box 47 Bentley AB T0C 2T0	City or Town	Bentley
Well Owner has a copy of this report	☒ Yes		
Well Owner Name	Sanely Point Farms	City or Town	Bentley
Mailing Address	Box 119 Bentley AB T0C 2T0	City or Town	Bentley

Drilling Information

☒ New Well	☐ Reconditioned	☐ Deepened
☐ Reclaimed well	☐ Materials Used	☐ Bentonite Product
☐ Date reclaimed	☐ Cement	☐ Other
☐ Auger	☐ Boring	☐ Cable tool
☒ Rotary	☐ Combination	☐ Backhoe
☐ Other		

Formation Log

Depth from ground level	Formation
0-12	clay
12-35	Shale
35-42	SS. Sand
42-50	SS. Gray
50-70	SS. Gray
70-79	SS. Gray
79-106	Shale
106-170	SS. Gray
170-180	Shale

Well Completion

Date Started	2-11-08	Date Completed	2-11-08
Well Depth	180 ft	Borehole diameter	7 7/8
Casing type	Steel	Size OD	7 7/8
Wall thickness	3/16	Wall thickness	3/8
Bottom at	104 ft	Top	80 ft
Bottom	180 ft		
Perforations from	120 ft	to	160 ft
Perforation size	1/2 x 5/8		
Perforated by	☐ Saw	☐ Torch	☒ Drill
Sealed interval	0	to	104 ft
Sealant type		Size OD	
Intervals from	to	Slot size	
Installation	☐ Attached to casing	☐ Telescoped	
Fittings Top	☐ Packer	Bottom	☐ Wash-down
☐ Coupler		☐ Ball	☐ Plug
Pack	☐ Artificial/Mechanical	☐ Natural	
Grain size		Amount	

Contractor Certification

Driller's Name	Kelly Martin
Certification No.	1238-92
This well was constructed in accordance with the Water (Ministerial) Regulation of the Water Act. All information in this report is true.	
Signature	Kelly Martin
Date	2-11-08

Geophysical Log taken: ☐ Electric ☐ GammaDid you encounter: ☐ Mineralized water more than 4000 ppm TDS ☐ Gas

At what depth: No

Remedial action taken: Drilling water taken from shop well