

Appendix 8

Pressure Survey



Company Name	Fairborne Energy Ltd.
Well Name	Fairborne Sinclair
Unique Well ID	100/06-11-007-29W1/0
Formation	Three Forks
Well License Number	5517
Test Type	Static Gradient
Start Test Date	2009/08/29
Final Test Date	2009/08/29

Prepared By	Cory Strang
Report Date	2009/08/31



Pure Energy Services Ltd.
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Well Information

Company Name Fairborne Energy Ltd.

Well Name Fairborne Sinclair

Contact C. Edwards

Surface Location 06-11-007-29w1

Unique Well ID 100/06-11-007-29W1/0

Well Type Vertical

Well Fluid Type 01 Oil

H2S Indicator No

KB Elevation (SL) 515.70 m

GL Elevation (SL) 510.26 m

CF Elevation (SL) 510.26 m

KB-GL Offset 5.44 m

KB-CF Offset 5.44 m

Formation Three Forks

Top(Log KB) 1012.00 m **Bottom(Log KB)** 1018.50 m

Top(TVD KB) 1012.00 m **Bottom(TVD KB)** 1018.50 m

Test Information

Test Type Static Gradient

Test Purpose Annual Pressure

Start Test Date 2009/08/29 10:39:00

Final Test Date 2009/08/29 12:19:22

Date Well Shut-In 2009/06/25 17:00:00

Tubing OD 73.0 mm

Tubing ID 62.0 mm

Tubing Depth(Log KB) m

Tubing Depth(TVD KB) m

Tubing Pressure: Initial 93.00 kPa(a)

Tubing Pressure: Final 103.00 kPa(a)

Casing OD 114.3 mm

Casing ID 103.9 mm

Casing Depth(TVD KB) 1047.00000 m

Casing Depth(Log KB) 1047.00000 m

Casing Pressure: Initial 93.00 kPa(a)

Casing Pressure: Final 103.00 kPa(a)

Packer Depth(Log KB) m

Packer Depth(TVD KB) m

PBTD(Log KB) 1047.00 m

PBTD(TVD KB) 1047.00 m

Representative Kent Dowhanuik

Prepared By Cory Strang

Qualified By PTA Group

Report Date 2009/08/31

Test Results

Gauge Serial Number 3002

Run Depth (Log KB) 1014.50 m

Run Depth (TVD KB) 1014.50 m

Pressure at Stop Depth 4006.69 kPa(a)

MPP Depth 1015.25 m

Representative Pressure at MPP 4014.71 kPa(a)

Reservoir Temperature 33.40 °C

Remarks

Bottom Gauge

Fairborne Energy Ltd.
100/06-11-007-29W1/0
Start Test Date: 2009/08/29
Final Test Date: 2009/08/29

Fairborne Sinclair
Formation: Three Forks

Bottom Gauge

Gauge Serial Number	3002	Gauge Type	Strain
Gauge Manufacturer	Pioneer	Maximum Recorder Range	41368.00 kPa
Run Depth (Log KB)	1014.50 m	Date of Last Calibration	2009/08/18
Gauge Start Date	2009/08/29 10:39:00	Gauge Stop Date	2009/08/29 12:19:22
Date Gauge On Bottom	2009/08/29 11:26:02	Date Gauge Off Bottom	2009/08/29 11:56:02

Test Data

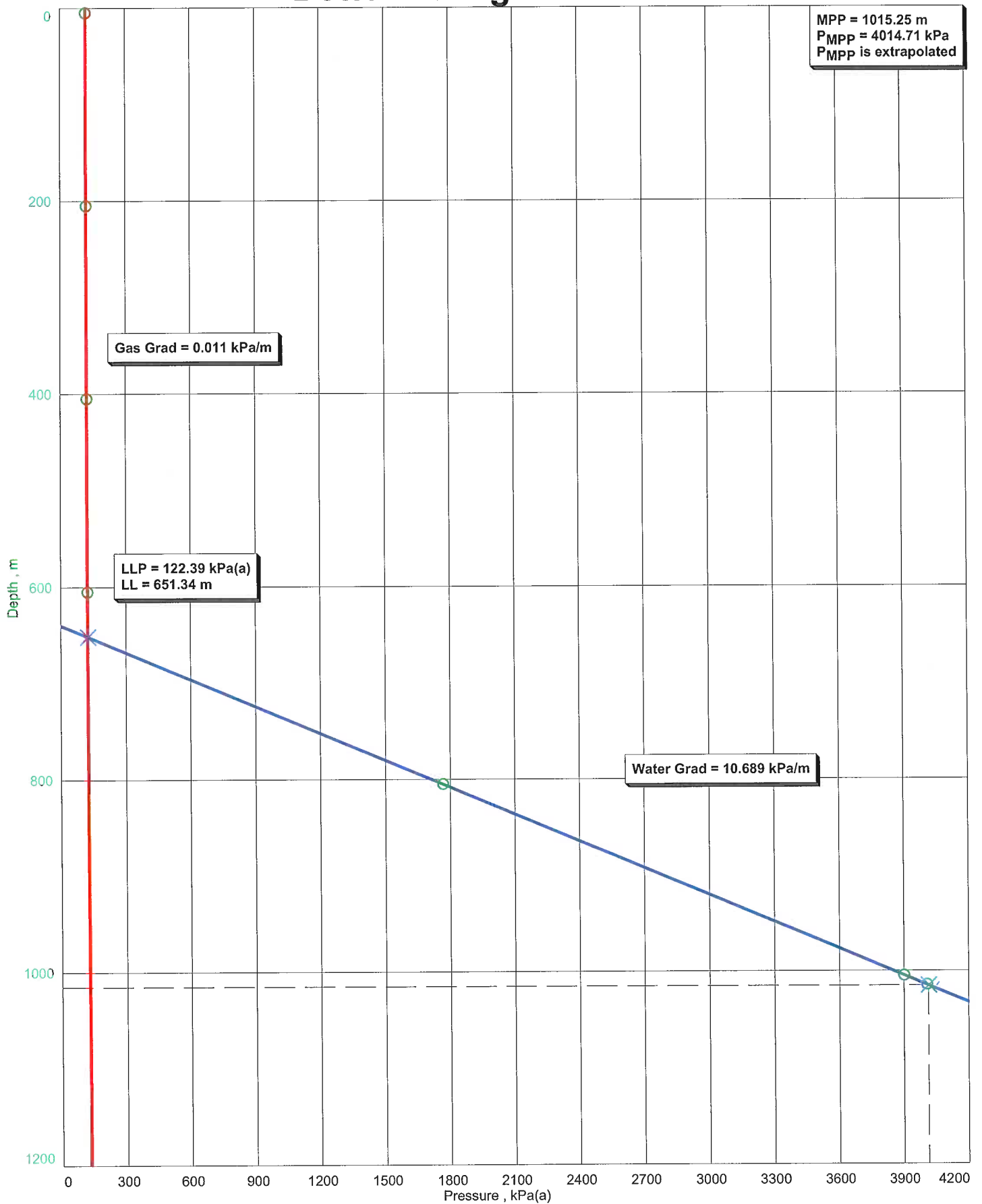
Top(TVD KB)	1012.00 m	Bottom(TVD KB)	1018.50 m
Pool Datum Depth (SS)	m	Well Datum Depth	m
Tubing Pressure: Initial	93.00 kPa(a)	Tubing Pressure: Final	103.00 kPa(a)
Casing Pressure: Initial	93.00 kPa(a)	Casing Pressure: Final	103.00 kPa(a)
Start Test Date	2009/08/29 10:39:00	Date Well Shut-In	2009/06/25 17:00:00

Depth m	Time hh:mm:ss	Duration min	Pressure kPa(a)	Gradient kPa/m	Temp. °C	Gradient °C/m
4.91	10:45:52	6.87	114.85		23.23	
204.91	10:51:32	5.67	117.80	0.015	19.40	-0.019
404.91	10:58:22	6.83	119.82	0.010	18.06	-0.007
604.91	11:08:22	10.00	121.55	0.009	20.07	0.010
804.91	11:16:02	7.67	1764.08	8.213	28.15	0.040
1004.91	11:25:02	9.00	3899.28	10.676	33.12	0.025
1014.50	11:56:02	31.00	4006.69	11.200	33.40	0.029

Results

Gas	0.011 kPa/m	Gas - Water Interface	651.34 m	122.39 kPa(a)
Water	10.689 kPa/m	MPP	1015.25 m	4014.71 kPa(a)

Bottom Gauge Gradient



Top Gauge

Fairborne Energy Ltd.
100/06-11-007-29W1/0
Start Test Date: 2009/08/29
Final Test Date: 2009/08/29

Fairborne Sinclair
Formation: Three Forks

Top Gauge

Gauge Serial Number	3112	Gauge Type	Strain
Gauge Manufacturer	Pioneer	Maximum Recorder Range	41368.00 kPa
Run Depth (Log KB)	1014.25 m	Date of Last Calibration	2009/08/18
Gauge Start Date	2009/08/29 10:39:00	Gauge Stop Date	2009/08/29 12:19:22
Date Gauge On Bottom	2009/08/29 11:26:02	Date Gauge Off Bottom	2009/08/29 11:56:02

Test Data

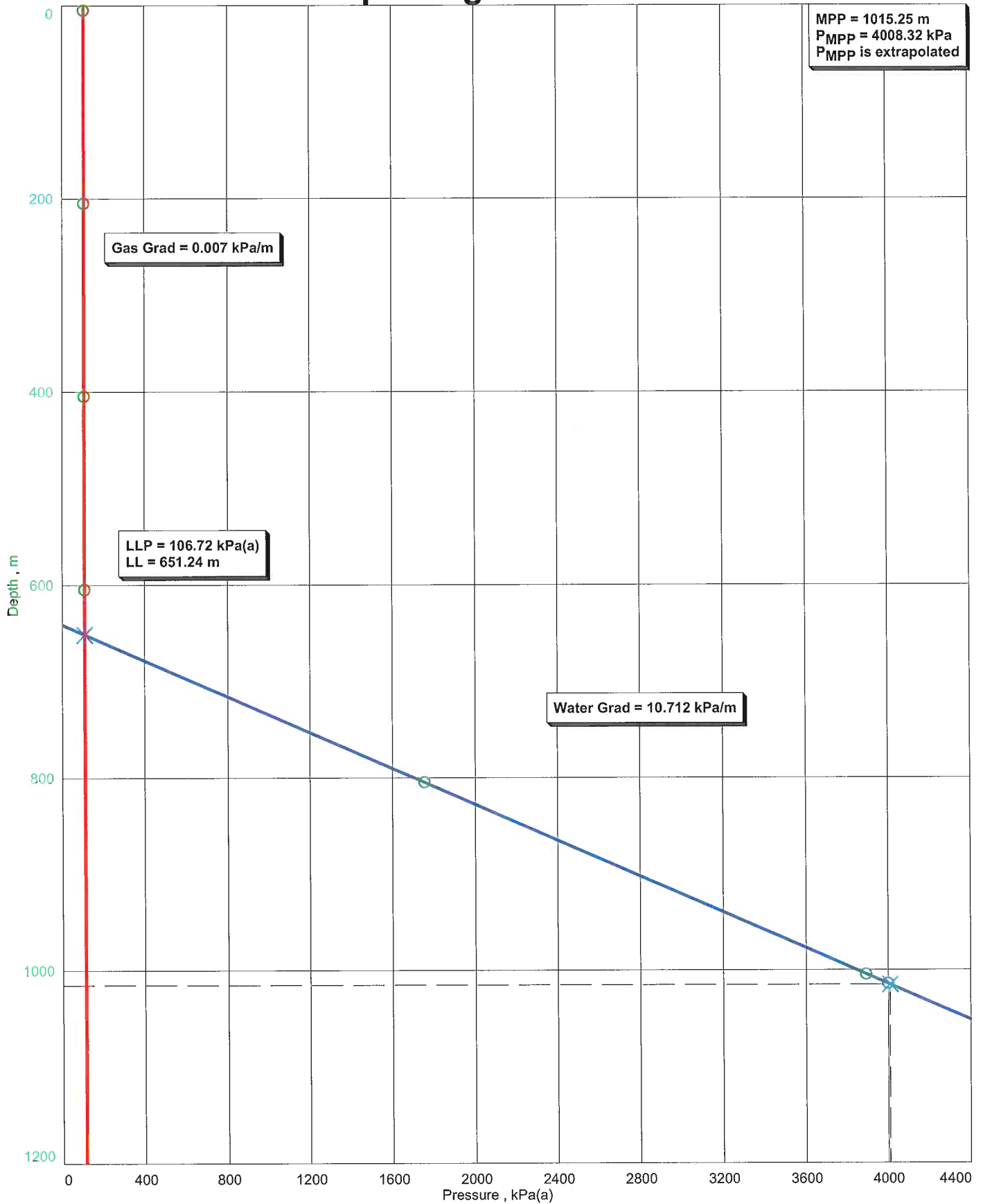
Top(TVD KB)	1012.00 m	Bottom(TVD KB)	1018.50 m
Pool Datum Depth (SS)	m	Well Datum Depth	m
Tubing Pressure: Initial	93.00 kPa(a)	Tubing Pressure: Final	103.00 kPa(a)
Casing Pressure: Initial	93.00 kPa(a)	Casing Pressure: Final	103.00 kPa(a)
Start Test Date	2009/08/29 10:39:00	Date Well Shut-In	2009/06/25 17:00:00

Depth m	Time hh:mm:ss	Duration min	Pressure kPa(a)	Gradient kPa/m	Temp. °C	Gradient °C/m
4.66	10:45:42	6.70	102.22		24.27	
204.66	10:51:22	5.67	103.25	0.005	21.20	-0.015
404.66	10:59:52	8.50	104.76	0.008	19.17	-0.010
604.66	11:08:22	8.50	106.53	0.009	20.20	0.005
804.66	11:16:02	7.67	1750.35	8.219	28.15	0.040
1004.66	11:24:52	8.83	3890.43	10.700	33.15	0.025
1014.25	11:56:02	31.17	3997.61	11.176	33.44	0.031

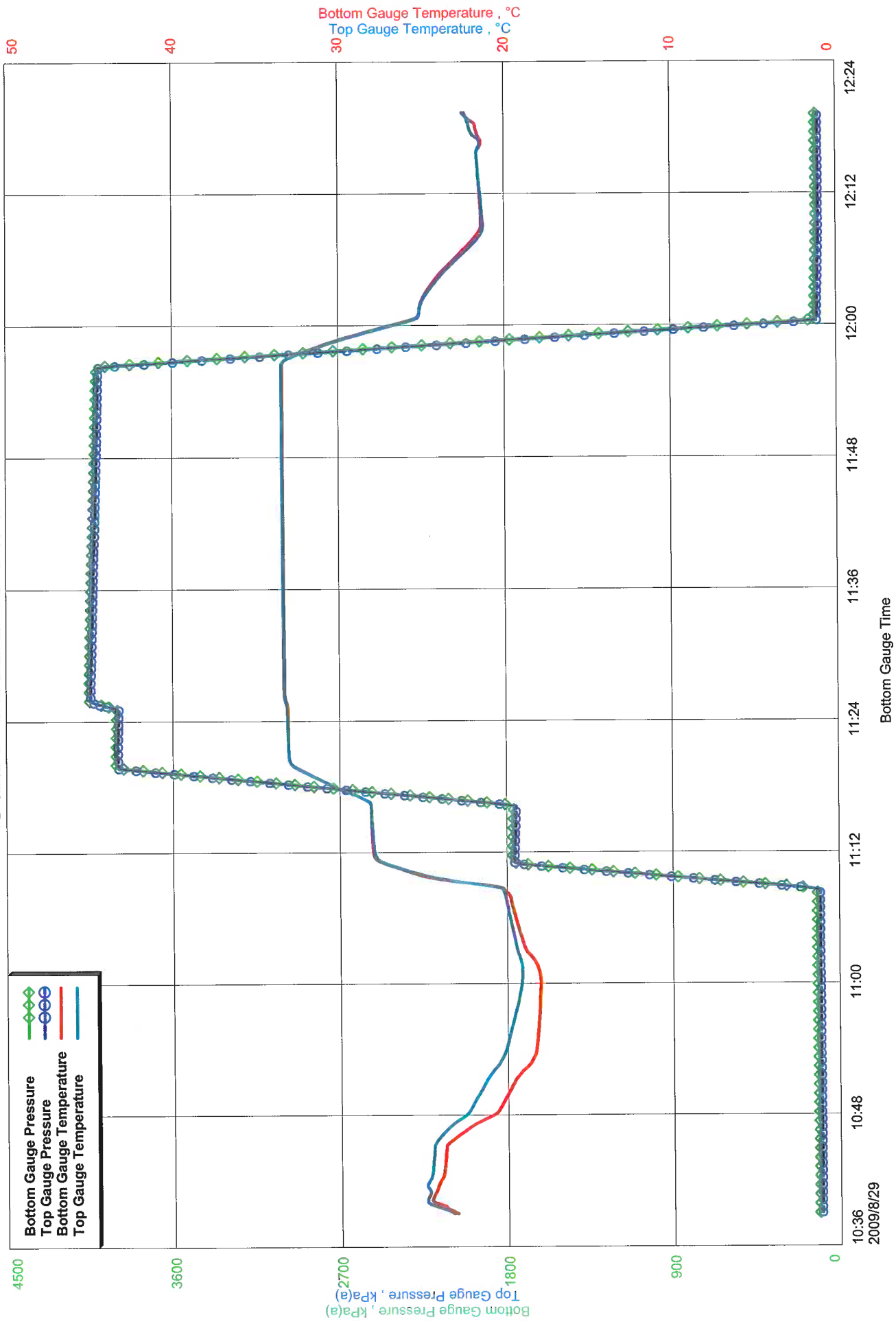
Results

Gas	0.007 kPa/m	Gas - Water Interface	651.24 m	106.72 kPa(a)
Water	10.712 kPa/m	MPP	1015.25 m	4008.32 kPa(a)

Top Gauge Gradient



Static Gradient Plot



Company Name Fairborne Energy Ltd.
 Unique Well ID 100/06-11-007-29W1/0
 Start Test Date 2009/08/29
 Final Test Date 2009/08/29

Fairborne Sinclair
 Three Forks

	Bottom Gauge Date	Bottom Gauge Time	Bottom Gauge Pres.	Bottom Gauge Temp.	Top Gauge Time	Top Gauge Pres.	Top Gauge Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C	h	kPa(a)	°C
1	2009/08/29 10:39:01	0.0003	115.93	23.06	0.0003	103.04	23.28
2	2009/08/29 10:39:06	0.0017	115.65	23.18	0.0017	102.94	23.37
3	2009/08/29 10:39:11	0.0031	115.64	23.28	0.0031	103.00	23.45
4	2009/08/29 10:39:16	0.0044	115.78	23.38	0.0044	102.98	23.57
5	2009/08/29 10:39:21	0.0058	115.71	23.51	0.0058	102.84	23.72
6	2009/08/29 10:39:26	0.0072	115.75	23.62	0.0072	102.86	23.88
7	2009/08/29 10:39:31	0.0086	115.46	23.72	0.0086	103.03	24.07
8	2009/08/29 10:40:12	0.0200	115.18	24.60	0.0200	102.93	24.88
9	2009/08/29 10:41:02	0.0339	114.96	24.36	0.0339	102.49	24.71
10	2009/08/29 10:41:52	0.0478	115.01	24.13	0.0478	102.43	24.82
11	2009/08/29 10:42:42	0.0617	114.92	23.89	0.0617	102.43	24.59
12	2009/08/29 10:43:32	0.0756	114.96	23.83	0.0756	102.33	24.54
13	2009/08/29 10:44:22	0.0894	114.76	23.78	0.0894	102.24	24.49
14	2009/08/29 10:45:12	0.1033	114.67	23.73	0.1033	102.25	24.44
15	2009/08/29 10:46:02	0.1172	114.86	23.08	0.1172	102.17	24.09
16	2009/08/29 10:46:52	0.1311	115.42	22.31	0.1311	102.31	23.56
17	2009/08/29 10:47:42	0.1450	116.42	21.28	0.1450	102.85	22.81
18	2009/08/29 10:48:32	0.1589	117.74	20.52	0.1589	103.44	22.26
19	2009/08/29 10:49:22	0.1728	118.12	20.21	0.1728	103.50	21.96
20	2009/08/29 10:50:12	0.1867	118.06	19.92	0.1867	103.37	21.63
21	2009/08/29 10:51:02	0.2006	117.70	19.63	0.2006	103.22	21.32
22	2009/08/29 10:51:52	0.2144	117.89	19.21	0.2144	103.41	20.96
23	2009/08/29 10:52:42	0.2283	118.31	18.66	0.2283	103.97	20.52
24	2009/08/29 10:53:32	0.2422	119.38	18.37	0.2422	104.48	20.23
25	2009/08/29 10:54:22	0.2561	120.10	18.27	0.2561	104.90	20.05
26	2009/08/29 10:55:12	0.2700	120.14	18.22	0.2700	104.99	19.91
27	2009/08/29 10:56:02	0.2839	120.28	18.16	0.2839	105.06	19.76
28	2009/08/29 10:56:52	0.2978	120.21	18.12	0.2978	104.91	19.62
29	2009/08/29 10:57:42	0.3117	119.93	18.08	0.3117	104.84	19.48
30	2009/08/29 10:58:32	0.3256	119.85	18.06	0.3256	104.83	19.34
31	2009/08/29 10:59:22	0.3394	120.01	18.03	0.3394	104.83	19.23
32	2009/08/29 11:00:12	0.3533	120.12	18.02	0.3533	104.86	19.14
33	2009/08/29 11:01:02	0.3672	120.56	18.09	0.3672	105.34	19.12
34	2009/08/29 11:01:52	0.3811	121.06	18.30	0.3811	105.92	19.17
35	2009/08/29 11:02:42	0.3950	121.49	18.71	0.3950	106.57	19.35
36	2009/08/29 11:03:32	0.4089	121.61	19.02	0.4089	106.78	19.49
37	2009/08/29 11:04:22	0.4228	121.62	19.19	0.4228	106.73	19.61
38	2009/08/29 11:05:12	0.4367	121.47	19.36	0.4367	106.65	19.73
39	2009/08/29 11:06:02	0.4506	121.54	19.52	0.4506	106.68	19.85
40	2009/08/29 11:06:52	0.4644	121.56	19.66	0.4644	106.52	19.97
41	2009/08/29 11:07:42	0.4783	121.49	19.79	0.4783	106.48	20.07
42	2009/08/29 11:08:32	0.4922	121.61	20.17	0.4922	106.58	20.25
43	2009/08/29 11:09:22	0.5061	648.62	23.30	0.5061	677.80	23.19
44	2009/08/29 11:10:12	0.5200	1228.04	25.85	0.5200	1264.17	25.67
45	2009/08/29 11:11:02	0.5339	1754.41	27.44	0.5339	1759.29	27.35

Print Filter: Approximately every 5 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Bottom Gauge	3002	2009/08/29	10:39:00	1014.50 m
Top Gauge	3112	2009/08/29	10:39:00	1014.25 m

Company Name Fairborne Energy Ltd.
 Unique Well ID 100/06-11-007-29W1/0
 Start Test Date 2009/08/29
 Final Test Date 2009/08/29

Fairborne Sinclair
 Three Forks

	Bottom Gauge Date	Bottom Gauge Time	Bottom Gauge Pres.	Bottom Gauge Temp.	Top Gauge Time	Top Gauge Pres.	Top Gauge Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C	h	kPa(a)	°C
46	2009/08/29 11:11:52	0.5478	1770.73	28.00	0.5478	1757.51	27.92
47	2009/08/29 11:12:42	0.5617	1769.40	28.06	0.5617	1755.91	28.00
48	2009/08/29 11:13:32	0.5756	1768.15	28.10	0.5756	1754.42	28.05
49	2009/08/29 11:14:22	0.5894	1766.73	28.12	0.5894	1753.09	28.08
50	2009/08/29 11:15:12	0.6033	1765.40	28.13	0.6033	1751.71	28.12
51	2009/08/29 11:16:02	0.6172	1764.08	28.15	0.6172	1750.35	28.15
52	2009/08/29 11:16:52	0.6311	2116.20	28.57	0.6311	2149.65	28.59
53	2009/08/29 11:17:42	0.6450	2634.01	29.89	0.6450	2666.69	29.88
54	2009/08/29 11:18:32	0.6589	3149.57	31.01	0.6589	3183.86	31.03
55	2009/08/29 11:19:22	0.6728	3663.12	32.12	0.6728	3697.85	32.17
56	2009/08/29 11:20:12	0.6867	3904.97	32.96	0.6867	3893.47	32.97
57	2009/08/29 11:21:02	0.7006	3905.00	33.07	0.7006	3895.29	33.07
58	2009/08/29 11:21:52	0.7144	3904.00	33.09	0.7144	3894.84	33.10
59	2009/08/29 11:22:42	0.7283	3902.93	33.10	0.7283	3893.99	33.12
60	2009/08/29 11:23:32	0.7422	3901.59	33.11	0.7422	3892.59	33.13
61	2009/08/29 11:24:22	0.7561	3900.42	33.11	0.7561	3891.24	33.14
62	2009/08/29 11:25:12	0.7700	3899.38	33.12	0.7700	3910.42	33.15
63	2009/08/29 11:26:02	0.7839	4047.55	33.26	0.7839	4041.82	33.30
64	2009/08/29 11:26:52	0.7978	4049.09	33.30	0.7978	4041.16	33.34
65	2009/08/29 11:27:42	0.8117	4048.70	33.31	0.8117	4040.00	33.35
66	2009/08/29 11:28:32	0.8256	4047.65	33.31	0.8256	4038.76	33.35
67	2009/08/29 11:29:22	0.8394	4046.37	33.31	0.8394	4037.52	33.35
68	2009/08/29 11:30:12	0.8533	4045.18	33.32	0.8533	4036.24	33.36
69	2009/08/29 11:31:02	0.8672	4043.92	33.32	0.8672	4034.80	33.36
70	2009/08/29 11:31:52	0.8811	4042.76	33.33	0.8811	4033.51	33.37
71	2009/08/29 11:32:42	0.8950	4041.45	33.33	0.8950	4032.50	33.37
72	2009/08/29 11:33:32	0.9089	4039.99	33.33	0.9089	4031.18	33.38
73	2009/08/29 11:34:22	0.9228	4038.75	33.34	0.9228	4029.83	33.38
74	2009/08/29 11:35:12	0.9367	4037.50	33.35	0.9367	4028.63	33.39
75	2009/08/29 11:36:02	0.9506	4036.30	33.35	0.9506	4027.30	33.39
76	2009/08/29 11:36:52	0.9644	4035.14	33.35	0.9644	4026.03	33.39
77	2009/08/29 11:37:42	0.9783	4033.94	33.35	0.9783	4025.03	33.39
78	2009/08/29 11:38:32	0.9922	4032.77	33.36	0.9922	4023.92	33.40
79	2009/08/29 11:39:22	1.0061	4031.50	33.36	1.0061	4022.63	33.40
80	2009/08/29 11:40:12	1.0200	4029.87	33.36	1.0200	4021.00	33.41
81	2009/08/29 11:41:02	1.0339	4027.08	33.37	1.0339	4018.19	33.41
82	2009/08/29 11:41:52	1.0478	4025.66	33.37	1.0478	4016.65	33.41
83	2009/08/29 11:42:42	1.0617	4024.39	33.37	1.0617	4015.43	33.41
84	2009/08/29 11:43:32	1.0756	4023.16	33.37	1.0756	4014.21	33.41
85	2009/08/29 11:44:22	1.0894	4022.09	33.38	1.0894	4013.00	33.42
86	2009/08/29 11:45:12	1.1033	4021.01	33.38	1.1033	4012.00	33.42
87	2009/08/29 11:46:02	1.1172	4020.08	33.38	1.1172	4010.94	33.42
88	2009/08/29 11:46:52	1.1311	4018.82	33.38	1.1311	4009.83	33.42
89	2009/08/29 11:47:42	1.1450	4017.78	33.38	1.1450	4008.79	33.43
90	2009/08/29 11:48:32	1.1589	4016.57	33.38	1.1589	4007.61	33.43

Print Filter: Approximately every 5 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Bottom Gauge	3002	2009/08/29	10:39:00	1014.50 m
Top Gauge	3112	2009/08/29	10:39:00	1014.25 m

Company Name Fairborne Energy Ltd.
Unique Well ID 100/06-11-007-29W1/0
Start Test Date 2009/08/29
Final Test Date 2009/08/29

Fairborne Sinclair
Three Forks

	Bottom Gauge Date	Bottom Gauge Time	Bottom Gauge Pres.	Bottom Gauge Temp.	Top Gauge Time	Top Gauge Pres.	Top Gauge Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C	h	kPa(a)	°C
91	2009/08/29 11:49:22	1.1728	4015.41	33.38	1.1728	4006.46	33.43
92	2009/08/29 11:50:12	1.1867	4014.42	33.39	1.1867	4005.46	33.43
93	2009/08/29 11:51:02	1.2006	4013.33	33.39	1.2006	4004.31	33.43
94	2009/08/29 11:51:52	1.2144	4012.26	33.39	1.2144	4003.20	33.44
95	2009/08/29 11:52:42	1.2283	4011.18	33.39	1.2283	4002.21	33.44
96	2009/08/29 11:53:32	1.2422	4009.94	33.40	1.2422	4001.06	33.44
97	2009/08/29 11:54:22	1.2561	4008.86	33.39	1.2561	3999.92	33.44
98	2009/08/29 11:55:12	1.2700	4007.68	33.40	1.2700	3998.74	33.44
99	2009/08/29 11:56:02	1.2839	4006.69	33.40	1.2839	3997.61	33.44
100	2009/08/29 11:56:52	1.2978	3516.95	33.22	1.2978	3438.82	33.22
101	2009/08/29 11:57:42	1.3117	2728.15	31.92	1.3117	2651.11	31.85
102	2009/08/29 11:58:32	1.3256	1933.73	30.33	1.3256	1848.75	30.23
103	2009/08/29 11:59:22	1.3394	1130.26	28.45	1.3394	1042.28	28.33
104	2009/08/29 12:00:12	1.3533	320.65	26.37	1.3533	230.96	26.24
105	2009/08/29 12:01:02	1.3672	119.92	25.15	1.3672	107.36	25.14
106	2009/08/29 12:01:52	1.3811	119.18	25.07	1.3811	106.28	25.04
107	2009/08/29 12:02:42	1.3950	118.06	24.84	1.3950	105.35	24.77
108	2009/08/29 12:03:32	1.4089	117.10	24.49	1.4089	104.36	24.37
109	2009/08/29 12:04:22	1.4228	115.94	24.07	1.4228	103.09	23.93
110	2009/08/29 12:05:12	1.4367	114.74	23.59	1.4367	102.28	23.42
111	2009/08/29 12:06:02	1.4506	113.78	23.02	1.4506	101.32	22.85
112	2009/08/29 12:06:52	1.4644	112.88	22.46	1.4644	100.72	22.26
113	2009/08/29 12:07:42	1.4783	112.27	21.94	1.4783	100.03	21.72
114	2009/08/29 12:08:32	1.4922	111.82	21.51	1.4922	99.31	21.33
115	2009/08/29 12:09:22	1.5061	111.47	21.38	1.5061	98.96	21.28
116	2009/08/29 12:10:12	1.5200	111.68	21.39	1.5200	98.99	21.33
117	2009/08/29 12:11:02	1.5339	111.45	21.42	1.5339	98.94	21.38
118	2009/08/29 12:11:52	1.5478	111.47	21.46	1.5478	99.01	21.43
119	2009/08/29 12:12:42	1.5617	111.47	21.49	1.5617	99.11	21.48
120	2009/08/29 12:13:32	1.5756	111.56	21.54	1.5756	99.11	21.53
121	2009/08/29 12:14:22	1.5894	111.39	21.58	1.5894	99.10	21.58
122	2009/08/29 12:15:12	1.6033	111.76	21.62	1.6033	99.37	21.63
123	2009/08/29 12:16:02	1.6172	113.10	21.58	1.6172	100.22	21.60
124	2009/08/29 12:16:52	1.6311	113.76	21.40	1.6311	100.35	21.49
125	2009/08/29 12:17:42	1.6450	113.89	21.65	1.6450	100.60	22.01
126	2009/08/29 12:18:32	1.6589	113.78	21.88	1.6589	100.72	22.18
127	2009/08/29 12:19:22	1.6728	113.73	22.39	1.6728	100.68	22.52
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Print Filter: Approximately every 5 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Bottom Gauge	3002	2009/08/29	10:39:00	1014.50 m
Top Gauge	3112	2009/08/29	10:39:00	1014.25 m