

Static Gradient

Company Name
Contact

Oil & Gas Company
Oilco Engineer

Well Name
Unique Well ID
Well License Number

O&G Company Alberta 0-0-0-0
100/00-00-000-00W0/00
0000000

Formation
Start Test Date
Final Test Date

Older Dinasaour
2015/08/30
2015/08/30

Service Company
Representative
SerCo Phone
SerCo City
SerCo Province

Wireline Service Company
Sales Person
403-000-0000
Calgary
Alberta



Prepared By: Kennason Tech Services Inc.

Qualified by:
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kennasontech.ca



Pressure Survey Report

Static Gradient

Company Name **Oil & Gas Company**
 Contact **Oilco Engineer**

Service Company **Wireline Service Company**
 Representative **Sales Person**

General Information

Well Name	O&G Company Alberta 0-0-0-0	KB Elevation (SL)	832.00 m
Unique Well ID	100/00-00-000-00W0/00	CF Elevation (SL)	827.80 m
Surface Location	00-00-000-00W0	GL Elevation (SL)	827.80 m
Well License Number	0000000	KB-CF Offset	4.20 m
Well Type	Vertical	KB-GL Offset	4.20 m

Wellbore Information

Tubing OD	60.3 mm	Casing OD	114.3 mm
Tubing ID	50.7 mm	Casing ID	103.9 mm
Tubing Depth(Log KB)	915.00000 m	Casing Depth(Log KB)	930.00000 m
Tubing Depth(TVD KB)	915.00000 m	Casing Depth(TVD KB)	930.00000 m
Packer Depth(Log KB)	904.20000 m	PBTD(Log KB)	931.00 m
Packer Depth(TVD KB)	904.20000 m	PBTD(TVD KB)	931.00 m

Gross Completion Interval (GCI) as tested:

Top(Log KB)	916.00 m	Top(TVD KB)	916.00 m	Formation Name	Older Dinosaur
Bottom(Log KB)	926.00 m	Bottom(TVD KB)	926.00 m	Pool	Jurassic
MPP(Log KB)	921.00 m	MPP(TVD KB)	921.00 m		

Test Information

Test Type	Static Gradient	Time/Date Well Shut-In	2014/01/31 13:00:00
Well Fluid Type	01 Oil	Shut-In Duration	13819.4950 h
Test Purpose	Annual Pressure		

Surface Pressures:

Tubing Pressure Initial	970.00 kPa(a)	Casing Pressure Initial	560.00 kPa(a)
Tubing Pressure: Final	971.00 kPa(a)	Casing Pressure: Final	560.00 kPa(a)

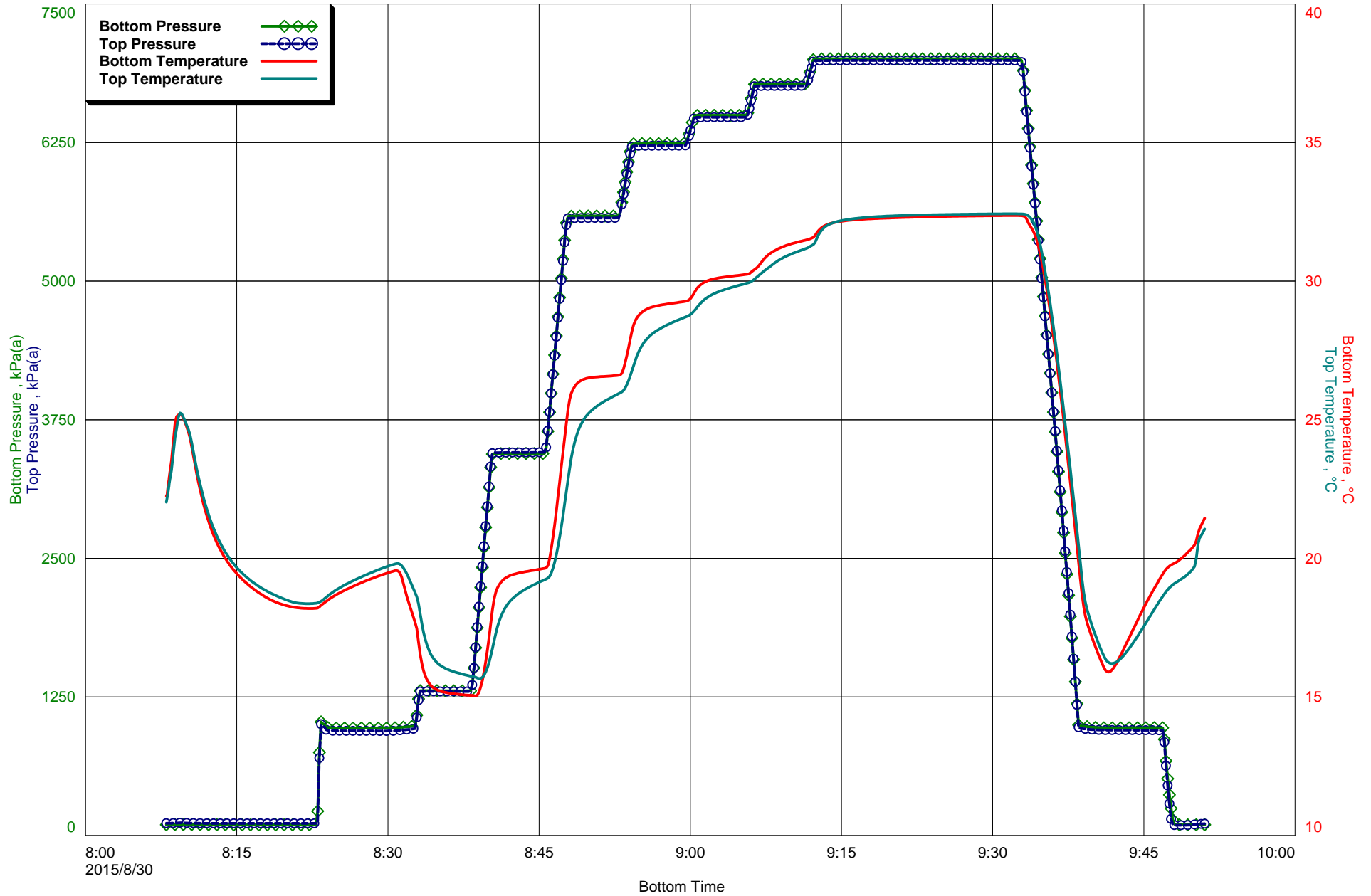
Test Results

Gauge Serial Number Used in Summary	1	Run Depth (Log KB)	914.20 m
MPP(TVD KB)	921.00 m	Run Depth (TVD KB)	914.20 m
Calculated Pressure Corrected to MPP Liquid Level (TVD)	7063.61 kPa(a)	Pressure at Stop Depth	7005.12 kPa(a)
	m	Temperature at Run Depth	32.4 °C

Test Remarks:

Vertical Well.
 Shut in for more than a year (Annual Test)

Static Gradient Plot



Static Gradient

Company Name
Well Name

Oil & Gas Company
O&G Company Alberta 0-0-0-0

Unique Well ID 100/00-00-000-00W0/00

KB Elevation (SL) 832.00
GL Elevation (SL) 827.80
CF Elevation (SL) 827.80

Formation Older Dinosaur
Well Fluid Type 01 Oil
Well License Number 0000000
Well Type Vertical

Start Test Date 2015/08/30
Final Test Date 2015/08/30
Date Well Shut-In 2014/01/31

Start Test Time 08:08:00
Final Test Time 09:51:02
Time Well Shut-In 13:00:00

Top(TVD KB) 916.00 m
Bottom(TVD KB) 926.00 m
MPP(TVD KB) 921.00 m

Tubing Pressure: Initial 970.00 kPa(a)
Casing Pressure: Initial 560.00 kPa(a)
Shut-In Duration 13819.4950 h

Gauge Name Bottom
Gauge Serial Number 1
Gauge Type Electronic
Gauge Manufacturer Kennason Tech
Gauge Model KTSI Recorder
Maximum Recorder Range 20684.00 kPa
Resolution (% of Full Scale) 0.00030
Accuracy (% of Full Scale) 0.03000
Date of Last Calibration 2014/10/30
Gauge Start Date 2015/08/30 08:08:00
Gauge Stop Date 2015/08/30 09:51:02
Date Gauge On Bottom 2015/08/30 09:12:32
Date Gauge Off Bottom 2015/08/30 09:32:42

Gauge Name Top
Gauge Serial Number 2
Gauge Type Electronic
Gauge Manufacturer Kennason Tech
Gauge Model KTSI Recorder
Maximum Recorder Range 20684.00 kPa
Resolution (% of Full Scale) 0.00030
Accuracy (% of Full Scale) 0.03000
Date of Last Calibration 2014/12/21
Gauge Start Date 2015/08/30 08:08:00
Gauge Stop Date 2015/08/30 09:51:02
Date Gauge On Bottom 2015/08/30 09:12:32
Date Gauge Off Bottom 2015/08/30 09:32:42

Run Depth (TVD KB) 914.20 m
Pressure at Run Depth 7005.62 kPa(a)
Pressure at MPP 7063.61 kPa(a)
Representative Gradient 9.750 kPa/m
Temperature at Run Depth 32.4 °C
Liquid Level(TVD KB) 216.56 m

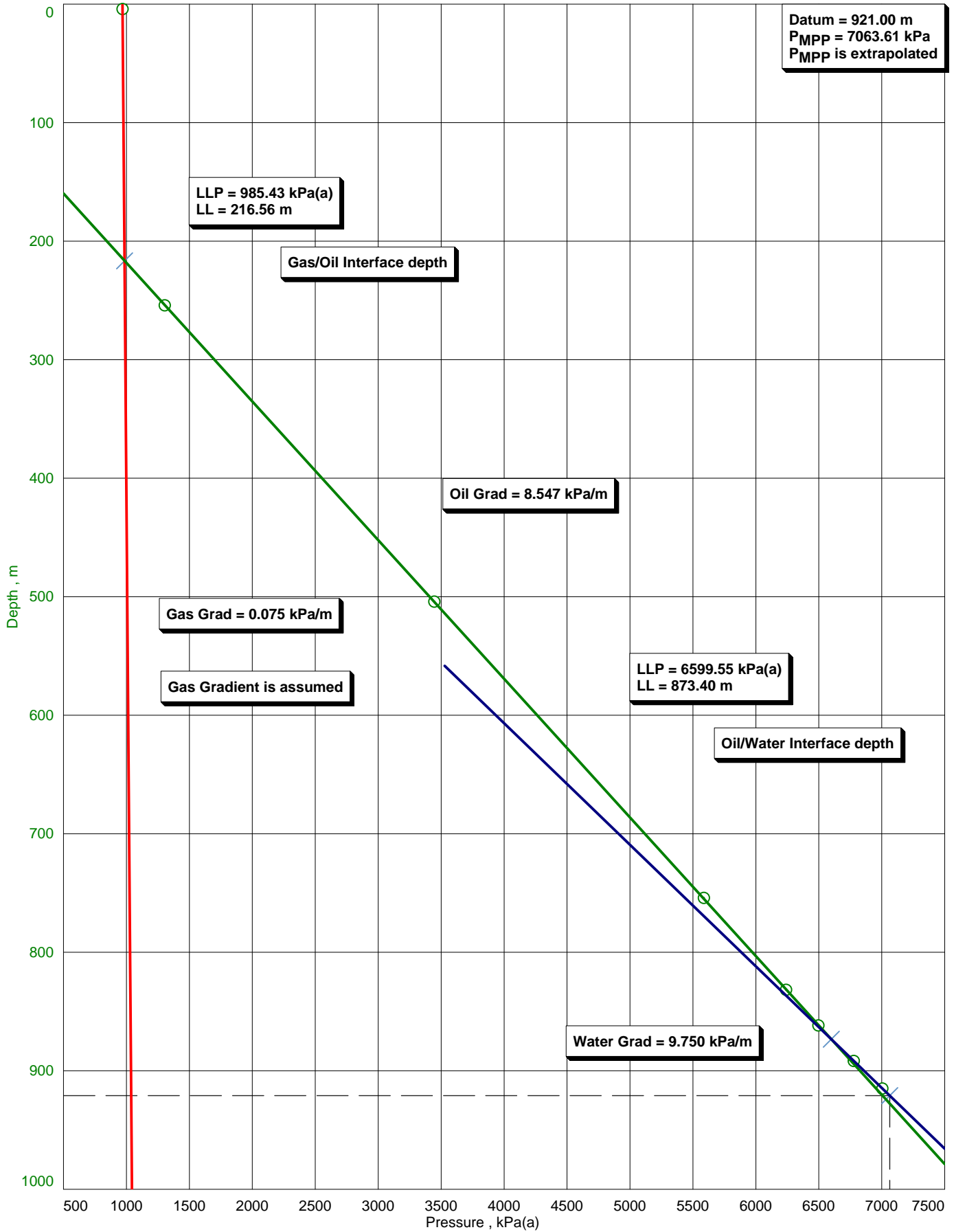
913.95 m
6989.66 kPa(a)
7051.05 kPa(a)
9.822 kPa/m
32.4 °C
212.81 m

Bottom

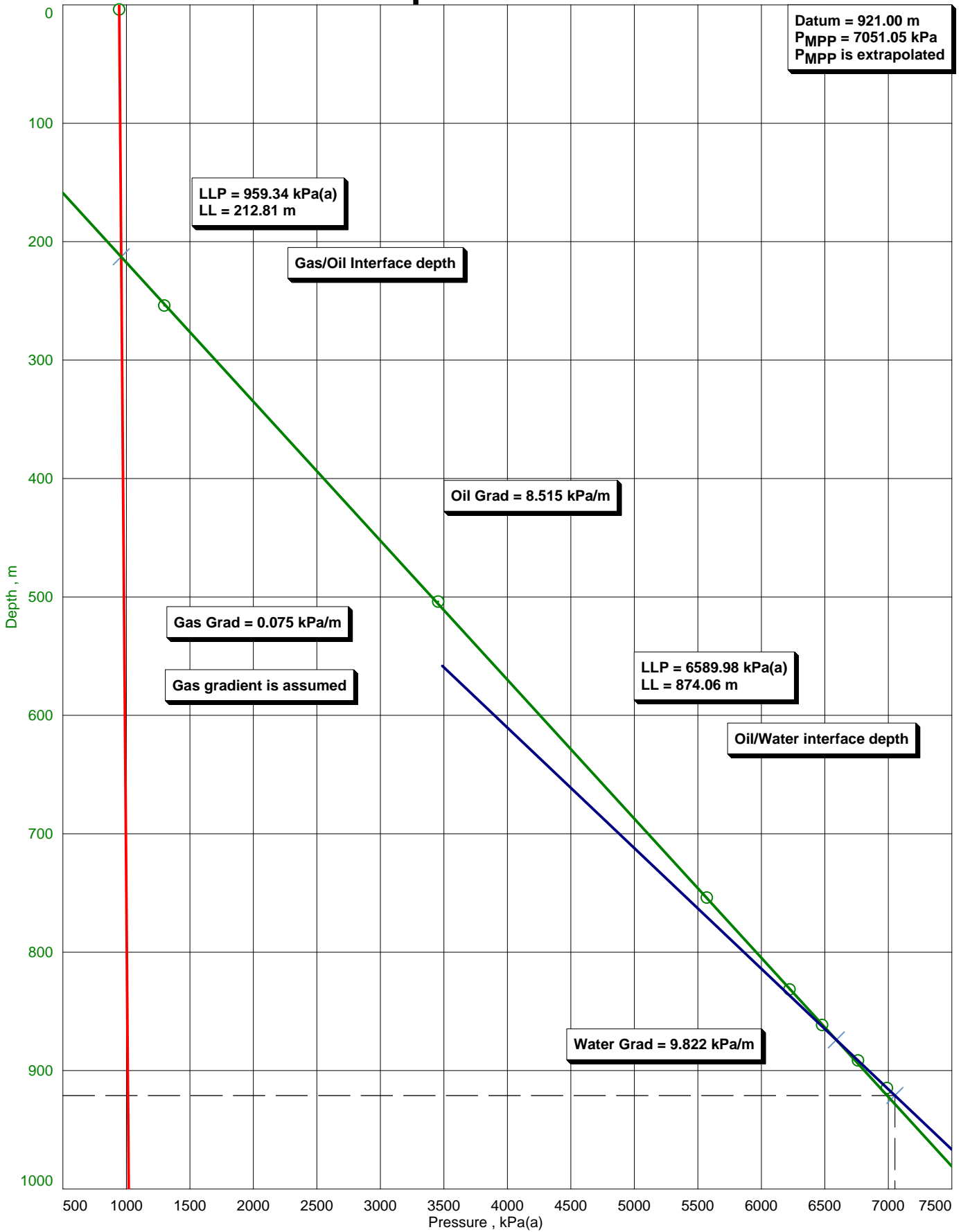
Top

Bottom					Top					
Depth	Temp.	Pressure	Gradient	Gradient	Time	Depth	Temp.	Pressure	Gradient	Gradient
m	°C	kPa(a)	kPa/m	°C/m	HH:mm:ss	m	°C	kPa(a)	kPa/m	°C/m
4.20	19.44	969.51			08:29:42	3.95	19.76	943.68		
254.20	15.06	1304.99	1.342	-0.018	08:38:02	253.95	15.76	1299.16	1.422	-0.016
504.20	19.63	3445.90	8.564	0.018	08:45:22	503.95	19.20	3455.83	8.627	0.014
754.20	26.59	5587.16	8.565	0.028	08:52:32	753.95	25.94	5570.81	8.460	0.027
831.75	29.26	6240.62	8.426	0.034	08:59:22	831.50	28.66	6221.68	8.393	0.035
861.75	30.24	6496.60	8.533	0.032	09:05:22	861.50	29.88	6478.51	8.561	0.041
891.75	31.47	6778.44	9.394	0.041	09:11:22	891.50	31.14	6761.31	9.427	0.042
915.00	32.37	7005.12	9.750	0.038	09:32:32	914.75	32.43	6989.66	9.822	0.055

Bottom Gradient



Top Gradient



Company Name Oil & Gas Company
 Unique Well ID 100/00-00-000-00W0/00
 Start Test Date 2015/08/30
 Final Test Date 2015/08/30

Well Name O&G Company Alberta 0-0-0-0
 Formation Older Dinosaur

	Bottom Date	Bottom Time	Bottom Pres.	Bottom Temp.	Top Time	Top Pres.	Top Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C	h	kPa(a)	°C
1	2015/08/30 08:08:01	0.0003	97.57	22.24	0.0003	110.75	22.03
2	2015/08/30 08:08:19	0.0053	97.86	22.97	0.0053	111.02	22.74
3	2015/08/30 08:08:52	0.0144	98.10	24.86	0.0144	112.21	24.36
4	2015/08/30 08:11:22	0.0561	98.11	22.46	0.0561	110.79	22.67
5	2015/08/30 08:13:52	0.0978	97.24	20.00	0.0978	109.71	20.22
6	2015/08/30 08:16:22	0.1394	96.65	18.98	0.1394	109.61	19.20
7	2015/08/30 08:18:52	0.1811	96.25	18.42	0.1811	109.60	18.66
8	2015/08/30 08:21:22	0.2228	96.71	18.20	0.2228	109.66	18.37
9	2015/08/30 08:23:52	0.2644	977.34	18.44	0.2644	954.09	18.59
10	2015/08/30 08:26:22	0.3061	969.29	18.96	0.3061	943.74	19.16
11	2015/08/30 08:28:52	0.3478	969.38	19.33	0.3478	943.23	19.56
12	2015/08/30 08:31:22	0.3894	976.25	19.31	0.3894	950.17	19.73
13	2015/08/30 08:33:52	0.4311	1306.77	15.63	0.4311	1300.35	16.88
14	2015/08/30 08:36:22	0.4728	1304.90	15.12	0.4728	1298.94	15.93
15	2015/08/30 08:38:52	0.5144	1874.62	15.06	0.5144	1881.73	15.68
16	2015/08/30 08:41:22	0.5561	3415.07	15.00	0.5561	3453.74	18.03
17	2015/08/30 08:43:52	0.5978	3415.07	15.00	0.5978	3455.01	18.93
18	2015/08/30 08:46:22	0.6394	3415.07	15.00	0.6394	4158.67	19.63
19	2015/08/30 08:48:52	0.6811	5587.37	26.34	0.6811	5568.86	24.59
20	2015/08/30 08:51:22	0.7228	5587.49	26.56	0.7228	5570.09	25.64
21	2015/08/30 08:53:52	0.7644	6075.93	27.59	0.7644	6056.36	26.41
22	2015/08/30 08:56:22	0.8061	6239.72	29.08	0.8061	6220.91	28.14
23	2015/08/30 08:58:52	0.8478	6240.04	29.24	0.8478	6221.68	28.61
24	2015/08/30 09:01:22	0.8894	6495.26	29.96	0.8894	6477.80	29.32
25	2015/08/30 09:03:52	0.9311	6495.58	30.17	0.9311	6478.08	29.75
26	2015/08/30 09:06:22	0.9728	6775.60	30.42	0.9728	6757.65	30.07
27	2015/08/30 09:08:52	1.0144	6777.92	31.19	1.0144	6760.67	30.77
28	2015/08/30 09:11:22	1.0561	6778.44	31.47	1.0561	6763.04	31.16
29	2015/08/30 09:13:52	1.0978	7005.80	32.08	1.0978	6990.13	32.06
30	2015/08/30 09:16:22	1.1394	7005.61	32.22	1.1394	6990.65	32.26
31	2015/08/30 09:18:52	1.1811	7005.95	32.27	1.1811	6990.55	32.33
32	2015/08/30 09:21:22	1.2228	7005.57	32.30	1.2228	6990.56	32.37
33	2015/08/30 09:23:52	1.2644	7005.58	32.32	1.2644	6990.77	32.39
34	2015/08/30 09:26:22	1.3061	7006.03	32.34	1.3061	6990.88	32.41
35	2015/08/30 09:28:52	1.3478	7005.77	32.36	1.3478	6990.80	32.42
36	2015/08/30 09:31:22	1.3894	7005.61	32.37	1.3894	6990.59	32.43
37	2015/08/30 09:33:52	1.4311	6046.46	31.91	1.4311	6035.75	32.23
38	2015/08/30 09:36:22	1.4728	3462.66	27.08	1.4728	3470.35	27.40
39	2015/08/30 09:38:52	1.5144	987.63	18.70	1.5144	964.19	19.23
40	2015/08/30 09:41:22	1.5561	970.92	15.91	1.5561	951.06	16.28
41	2015/08/30 09:43:52	1.5978	971.34	17.38	1.5978	950.61	16.92
42	2015/08/30 09:46:22	1.6394	971.91	19.13	1.6394	949.08	18.35
43	2015/08/30 09:48:52	1.6811	96.99	20.05	1.6811	93.45	19.29
44	2015/08/30 09:51:02	1.7172	97.08	21.45	1.7172	106.71	21.06

Data Table shortened for demonstration purposes.

Print Filter: Approximately every 15 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Bottom	1	2015/08/30	08:08:00	914.20 m
Top	2	2015/08/30	08:08:00	913.95 m