

Swab Evaluation/Buildup

Company Name Oil & Gas Company Ltd.
Contact Oilco Engineer

Well Name O&G Company Alberta 0-0-0-0
Unique Well ID 100/00-00-000-00W0/00
Well License Number 0000000

Formation Dinosaur
Start Test Date 2016/10/10
Final Test Date 2016/10/15

Service Company Wireline Service Company
Representative Sales Person
SerCo Phone 403-000-0000
SerCo City Calgary
SerCo Province Alberta



Prepared By: Kennason Tech Services Inc.

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Pressure Survey Report

Swab Evaluation/Buildup

Company Name **Oil & Gas Company Ltd.**
 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)	595.31 m
Unique Well ID	100/00-00-000-00W0/00	CF Elevation (SL)	590.84 m
Surface Location	00-00-000-00W0	GL Elevation (SL)	590.84 m
Well License Number	0000000	KB-CF Offset	4.47 m
Well Type	Horizontal	KB-GL Offset	4.47 m

Wellbore Information

Tubing OD	73.0 mm	Casing OD	177.8 mm
Tubing ID	62.0 mm	Casing ID	161.7 mm
Tubing Depth(Log KB)	m	Casing Depth(Log KB)	1500.00000 m
Tubing Depth(TVD KB)	m	Casing Depth(TVD KB)	1406.17584 m
Packer Depth(Log KB)	m	PBTD(Log KB)	2200.00 m
Packer Depth(TVD KB)	m	PBTD(TVD KB)	1394.82 m

Gross Completion Interval (GCI) as tested:

Top(Log KB)	1500.00 m	Top(TVD KB)	1406.18 m	Formation Name	Dinosaur
Bottom(Log KB)	2200.00 m	Bottom(TVD KB)	1394.82 m	Pool	Jurassic
MPP(Log KB)	1850.00 m	MPP(TVD KB)	1401.69 m		

Test Information

Test Type	Swab Evaluation/Buildup	Date/Time Gauge on Bottom	2016/10/13 11:32:35
Well Fluid Type	01 Oil	Date/Time Gauge Off Bottom	2016/10/15 07:44:25
Test Purpose	Other	Time/Date Well Shut-In	2016/10/14 17:41:25

Surface Pressures:

Tubing Pressure Initial	93.00 kPa(a)	Casing Pressure Initial	93.00 kPa(a)
Tubing Pressure: Final	93.00 kPa(a)	Casing Pressure: Final	93.00 kPa(a)

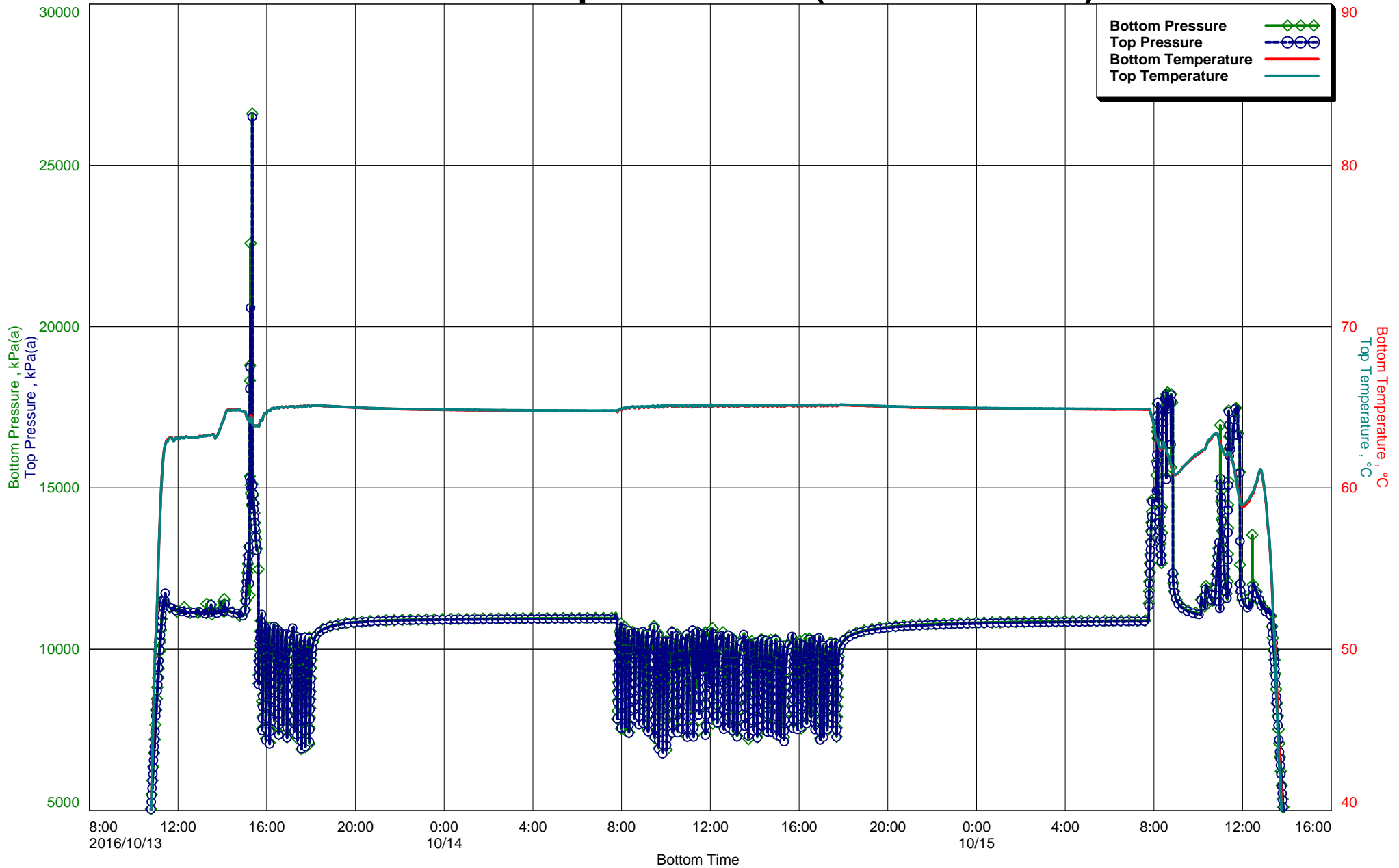
Test Results

Gauge Serial Number Used in Summary	1	MPP(TVD KB)	1401.69 m
Run Depth (TVD KB)	1397.75 m	Last Measured Pressure at Run Depth	10891.61 kPa(a)
Run Depth (Log KB)	2051.00 m	Temperature at Run Depth	64.9 °C

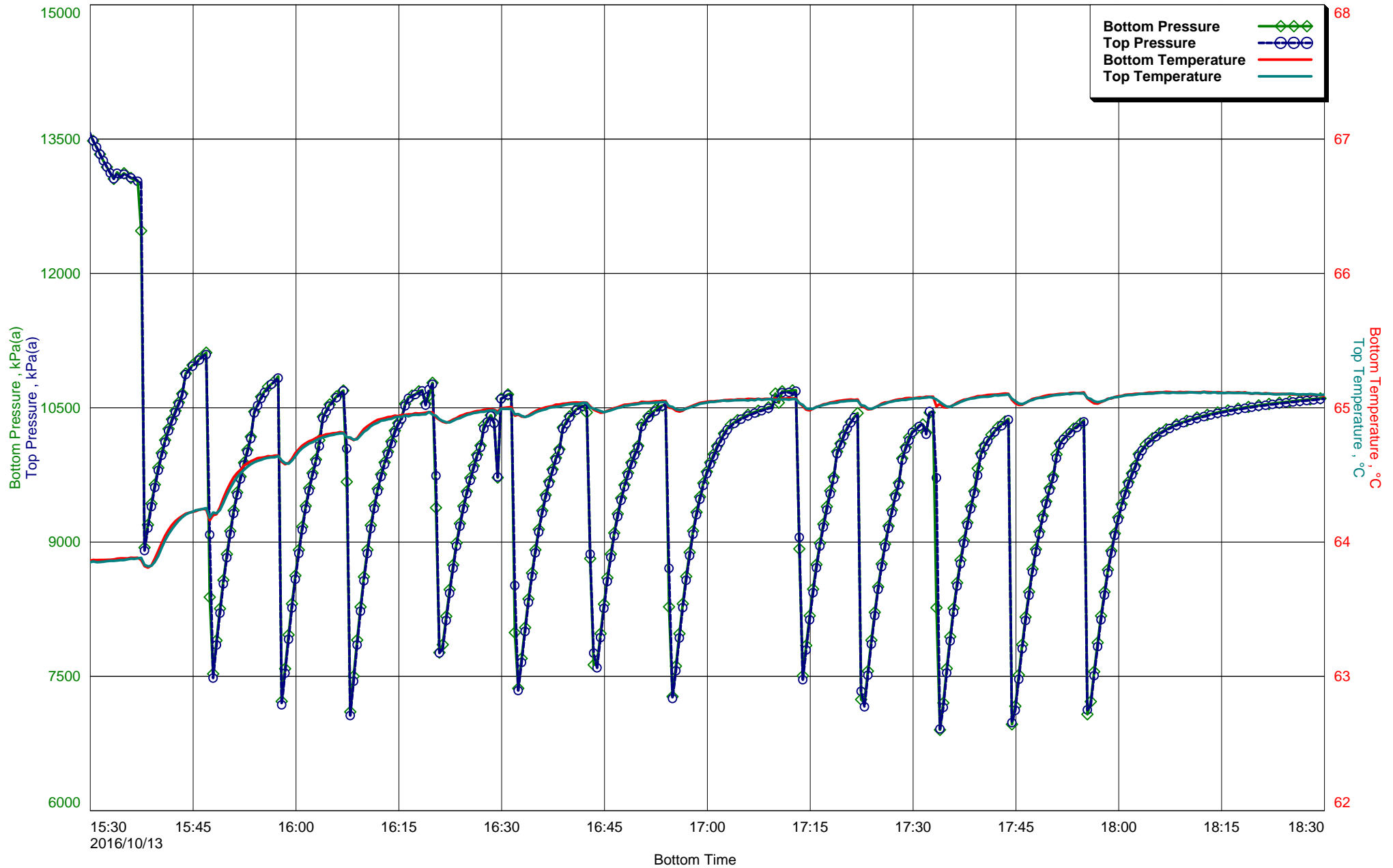
Test Remarks:

The Recorders were run on the end of Tubing to monitor the Swab Evaluation and Pressure Buildup.

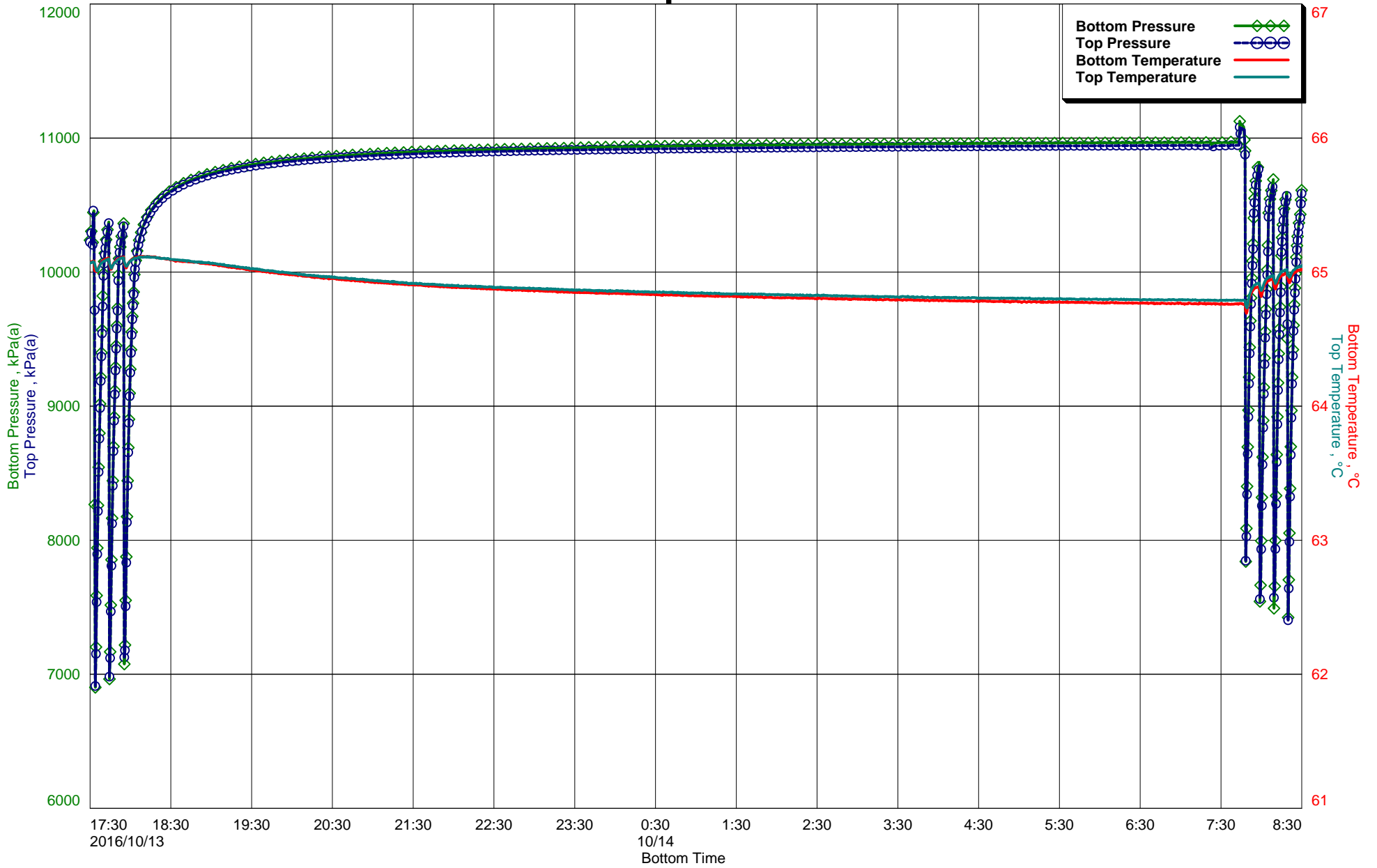
Pressure & Temperature Plot (Entire Data Set)



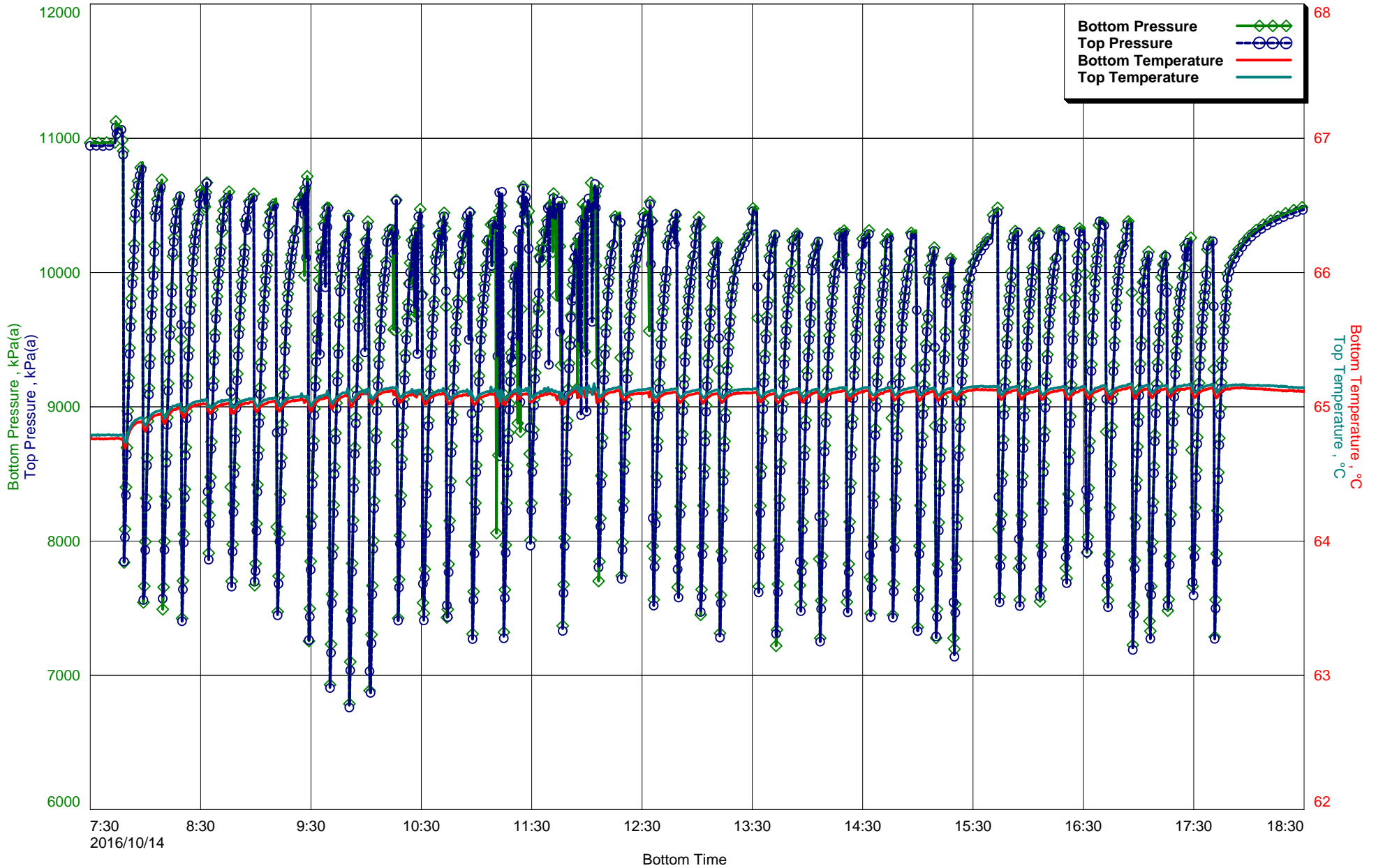
Swab Evaluation #1



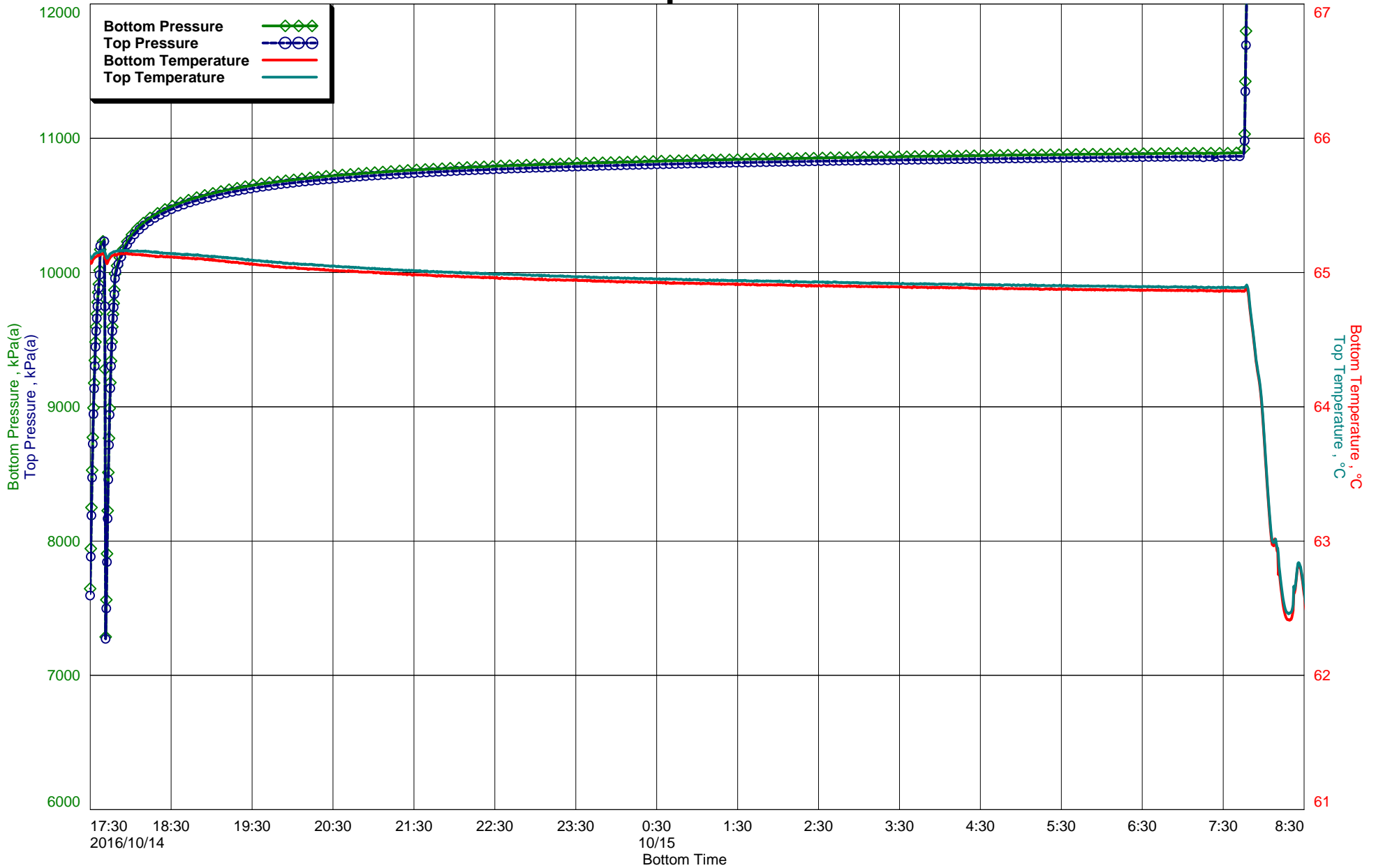
Buildup #1 Plot



Swab Evaluation #2



Buildup #2 Plot



Recorder Information

Company Name	Oil & Gas Company Ltd.	Well Name	O&G Company Alberta 0-0-0-0
Unique Well ID	100/00-00-000-00W0/00	Formation	Dinosaur
Start Test Date	2016/10/10		
Final Test Date	2016/10/15		

Gauge Name	Bottom	Gauge Type	Electronic
Gauge Serial Number	1	Gauge Manufacturer	Kennason Tech
Run Depth (TVD KB)	1397.75	Gauge Model	KTSI Recorder
Date of Last Calibration	2016/12/23	Maximum Recorder Range	41370.00
Gauge Start Date	2016/10/10	Gauge Start Time	16:57:00
Gauge Stop Date	2016/10/15	Gauge Stop Time	16:00:25
Date Gauge On Bottom	2016/10/13	Time Gauge On Bottom	11:32:35
Date Gauge Off Bottom	2016/10/15	Time Gauge Off Bottom	07:44:25

Gauge Name	Top	Gauge Type	Eelctronic
Gauge Serial Number	2	Gauge Manufacturer	Kennason Tech
Run Depth (TVD KB)	1397.75	Gauge Model	KTSI Recorder
Date of Last Calibration	2016/12/23	Maximum Recorder Range	41370.00
Gauge Start Date	2016/10/10	Gauge Start Time	16:57:00
Gauge Stop Date	2016/10/15	Gauge Stop Time	16:00:25
Date Gauge On Bottom	2016/10/13	Time Gauge On Bottom	11:32:35
Date Gauge Off Bottom	2016/10/15	Time Gauge Off Bottom	07:44:25

Company Name Oil & Gas Company Ltd.
 Unique Well ID 100/00-00-000-00W0/00
 Start Test Date 2016/10/10
 Final Test Date 2016/10/15

Well Name O&G Company Alberta 0-0-0-0
 Formation 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	2016/10/13 08:00:25	63.0569	178.56	-9.70	63.0569	108.80	-9.63
2	2016/10/13 08:50:25	63.8903	167.82	-7.89	63.8903	111.21	-7.96
3	2016/10/13 09:40:25	64.7236	145.38	-3.97	64.7236	111.32	-4.22
4	2016/10/13 10:30:25	65.5569	1212.19	22.76	65.5569	1190.53	22.78
5	2016/10/13 11:20:25	66.3903	11510.72	61.95	66.3903	11527.21	61.92
6	2016/10/13 11:32:55	66.5986	11328.96	62.99	66.5986	11339.01	62.94
7	Set the Recorders @ 1397.75 mKB TVD (2051.00 mKB MD)						
8	2016/10/13 11:33:25	66.6069	11322.54	63.01	66.6069	11335.20	62.96
9	2016/10/13 12:10:25	67.2236	11159.25	63.16	67.2236	11163.20	63.13
10	2016/10/13 13:00:25	68.0569	11124.61	63.23	68.0569	11128.12	63.22
11	2016/10/13 13:50:25	68.8903	11150.35	63.49	68.8903	11142.47	63.47
12	2016/10/13 14:40:25	69.7236	11112.74	64.84	69.7236	11107.77	64.83
13	2016/10/13 15:30:25	70.5569	13480.92	63.87	70.5569	13483.07	63.86
14	2016/10/13 15:33:25	70.6069	13056.46	63.87	70.6069	13056.40	63.86
15	Begin Swab Evaluation #1						
16							
17	2016/10/13 15:33:55	70.6153	13129.88	63.88	70.6153	13118.11	63.86
18	2016/10/13 16:20:25	71.3903	9383.97	64.93	71.3903	9739.66	64.94
19	2016/10/13 17:10:25	72.2236	10557.01	65.06	72.2236	10652.83	65.06
20	2016/10/13 17:55:25	72.9736	7076.31	65.07	72.9736	7125.90	65.07
21	End Swab Evaluation #1						
22							
23	2016/10/13 17:55:55	72.9819	7218.27	65.05	72.9819	7177.81	65.07
24	2016/10/13 18:00:25	73.0569	9421.11	65.09	73.0569	9396.60	65.09
25	2016/10/13 18:50:25	73.8903	10708.27	65.07	73.8903	10696.95	65.08
26	2016/10/13 19:40:25	74.7236	10816.83	65.00	74.7236	10804.22	65.01
27	2016/10/13 20:30:25	75.5569	10864.61	64.95	75.5569	10851.68	64.96
28	2016/10/13 21:20:25	76.3903	10891.85	64.91	76.3903	10877.92	64.92
29	2016/10/13 22:10:25	77.2236	10908.60	64.88	77.2236	10894.55	64.90
30	2016/10/13 23:00:25	78.0569	10921.46	64.86	78.0569	10906.12	64.88
31	2016/10/13 23:50:25	78.8903	10932.86	64.84	78.8903	10913.83	64.86
32	2016/10/14 00:40:25	79.7236	10939.73	64.83	79.7236	10920.48	64.85
33	2016/10/14 01:30:25	80.5569	10945.69	64.82	80.5569	10925.04	64.84
34	2016/10/14 02:20:25	81.3903	10950.12	64.81	81.3903	10929.87	64.82
35	2016/10/14 03:10:25	82.2236	10954.32	64.80	82.2236	10932.74	64.82
36	2016/10/14 04:00:25	83.0569	10957.77	64.79	83.0569	10936.51	64.81
37	2016/10/14 04:50:25	83.8903	10961.09	64.78	83.8903	10938.95	64.81
38	2016/10/14 05:40:25	84.7236	10963.86	64.78	84.7236	10941.28	64.80
39	2016/10/14 06:30:25	85.5569	10965.24	64.77	85.5569	10943.78	64.79
40	2016/10/14 07:20:25	86.3903	10967.01	64.77	86.3903	10945.05	64.79
41	2016/10/14 07:43:25	86.7736	10968.45	64.76	86.7736	10945.59	64.79
42	Begin Swab Evaluation #2						
43	2016/10/14 07:43:55	86.7819	11124.96	64.77	86.7819	11080.59	64.79
44	2016/10/14 08:10:25	87.2236	7998.07	64.87	87.2236	7934.36	64.91
45	2016/10/14 09:00:25	88.0569	8129.26	64.96	88.0569	8074.69	65.00

Print Filter: Approximately every 100 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Bottom	1	2016/10/10	16:57:00	1397.75 m
Top	2	2016/10/10	16:57:00	1397.75 m

Company Name Oil & Gas Company Ltd.
 Unique Well ID 100/00-00-000-00W0/00
 Start Test Date 2016/10/10
 Final Test Date 2016/10/15

Well Name O&G Company Alberta 0-0-0-0
 Formation 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
46	2016/10/14 09:50:25	88.8903	10422.37	65.08	88.8903	10410.10	65.11
47	2016/10/14 10:40:25	89.7236	10296.70	65.09	89.7236	10271.78	65.12
48	2016/10/14 11:30:25	90.5569	8568.54	65.04	90.5569	8513.74	65.07
49	2016/10/14 12:20:25	91.3903	8580.00	65.05	91.3903	8526.82	65.09
50	2016/10/14 13:10:25	92.2236	10174.14	65.10	92.2236	10143.70	65.12
51	2016/10/14 14:00:25	93.0569	9406.13	65.08	93.0569	9364.68	65.11
52	2016/10/14 14:50:25	93.8903	9368.44	65.09	93.8903	9330.34	65.12
53	2016/10/14 15:40:25	94.7236	10290.07	65.12	94.7236	10268.58	65.15
54	2016/10/14 16:30:25	95.5569	10335.60	65.13	95.5569	10311.23	65.15
55	2016/10/14 17:20:25	96.3903	9413.84	65.12	96.3903	9376.22	65.14
56	2016/10/14 17:41:25	96.7403	7286.59	65.10	96.7403	7271.55	65.14
57	End Swab Evaluation #2 - Shut in for Buildup						
58	2016/10/14 17:41:55	96.7486	7562.27	65.07	96.7486	7497.62	65.12
59	2016/10/14 18:10:25	97.2236	10376.59	65.13	97.2236	10355.03	65.16
60	2016/10/14 19:00:25	98.0569	10588.84	65.09	98.0569	10567.78	65.12
61	2016/10/14 19:50:25	98.8903	10677.57	65.05	98.8903	10656.05	65.08
62	2016/10/14 20:40:25	99.7236	10729.40	65.01	99.7236	10706.95	65.04
63	2016/10/14 21:30:25	100.5569	10762.88	64.98	100.5569	10740.54	65.01
64	2016/10/14 22:20:25	101.3903	10787.48	64.96	101.3903	10764.62	64.99
65	2016/10/14 23:10:25	102.2236	10805.69	64.95	102.2236	10782.94	64.98
66	2016/10/15 00:00:25	103.0569	10820.99	64.93	103.0569	10798.11	64.96
67	2016/10/15 00:50:25	103.8903	10833.54	64.92	103.8903	10810.02	64.95
68	2016/10/15 01:40:25	104.7236	10844.23	64.91	104.7236	10820.08	64.94
69	2016/10/15 02:30:25	105.5569	10852.77	64.90	105.5569	10829.31	64.93
70	2016/10/15 03:20:25	106.3903	10860.75	64.90	106.3903	10836.67	64.92
71	2016/10/15 04:10:25	107.2236	10867.57	64.89	107.2236	10843.79	64.91
72	2016/10/15 05:00:25	108.0569	10874.69	64.88	108.0569	10849.83	64.90
73	2016/10/15 05:50:25	108.8903	10880.95	64.87	108.8903	10855.92	64.90
74	2016/10/15 06:40:25	109.7236	10886.70	64.87	109.7236	10860.69	64.90
75	2016/10/15 07:30:25	110.5569	10888.74	64.86	110.5569	10864.04	64.89
76	2016/10/15 07:44:25	110.7903	10891.61	64.86	110.7903	10865.79	64.89
77	Final Buildup Pressure - Begin ops to pull the Recorders to surface						
78	2016/10/15 07:44:55	110.7986	10897.77	64.86	110.7986	10871.13	64.89
79	2016/10/15 08:20:25	111.3903	12669.56	62.42	111.3903	12643.56	62.47
80	2016/10/15 09:10:25	112.2236	11367.67	61.06	112.2236	11336.01	61.05
81	2016/10/15 10:00:25	113.0569	11111.70	62.11	113.0569	11081.21	62.18
82	2016/10/15 10:50:25	113.8903	12488.03	63.37	113.8903	12461.10	63.40
83	2016/10/15 11:40:25	114.7236	17319.20	60.87	114.7236	17434.72	60.71
84	2016/10/15 12:30:25	115.5569	12037.85	59.75	115.5569	12007.71	59.92
85	2016/10/15 13:20:25	116.3903	10489.87	53.30	116.3903	10490.68	53.52
86	2016/10/15 14:10:25	117.2236	1482.69	26.19	117.2236	1469.32	25.95
87	2016/10/15 15:00:25	118.0569	109.73	15.69	118.0569	109.76	17.52
88	2016/10/15 15:50:25	118.8903	112.14	5.91	118.8903	114.92	9.55
89	2016/10/15 16:00:25	119.0569	111.62	4.95	119.0569	114.65	8.98

Print Filter: Approximately every 100 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Bottom	1	2016/10/10	16:57:00	1397.75 m
Top	2	2016/10/10	16:57:00	1397.75 m