

KOLA UNIT NO. 3
WATERFLOOD EOR PROJECT
ANNUAL REPORT FOR 2017

June 5, 2018

Tundra Oil and Gas

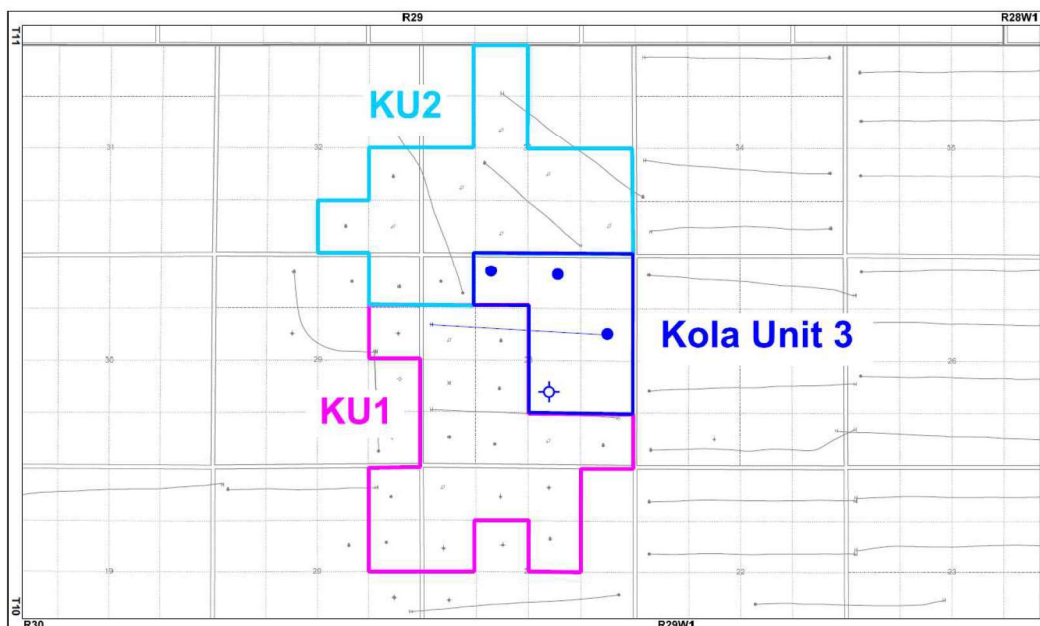
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INTRODUCTION

Kola Unit No. 3 Enhanced Oil Recovery (EOR) Waterflood Project was approved effective May 1st, 2014 with Tundra Oil and Gas as Operator. The EOR project area, outlined in dark blue in Figure 1, contains 1 abandoned and 2 vertical producing wells and 1 horizontal producing well in 7 LSDs in Township 10, Range 29W1.

Figure 1: Kola Unit No. 3 Area Outline



In accordance with Section 73 of the Manitoba Drilling and Production Regulation, Tundra submits the following 2017 Annual Progress Report for Kola Unit No. 3.

DISCUSSION

Production History

For the wells included in Kola Unit No. 3, production started in February 1996 with the 00/15-28-010-29W1/00 well. Oil production peaked at 8.25 m³/d in August of 1997. In 2017, the average production for the unit was 2.95 m³/d of oil and 6.75 m³/d of water, and the average WOR was 2.0 m³/m³. There is currently no water injection in Kola Unit No. 3. The rates and WOR are presented in Figure 2.

Figure 2: Kola Unit No. 3 Production/Injection Rates and WOR vs. Time

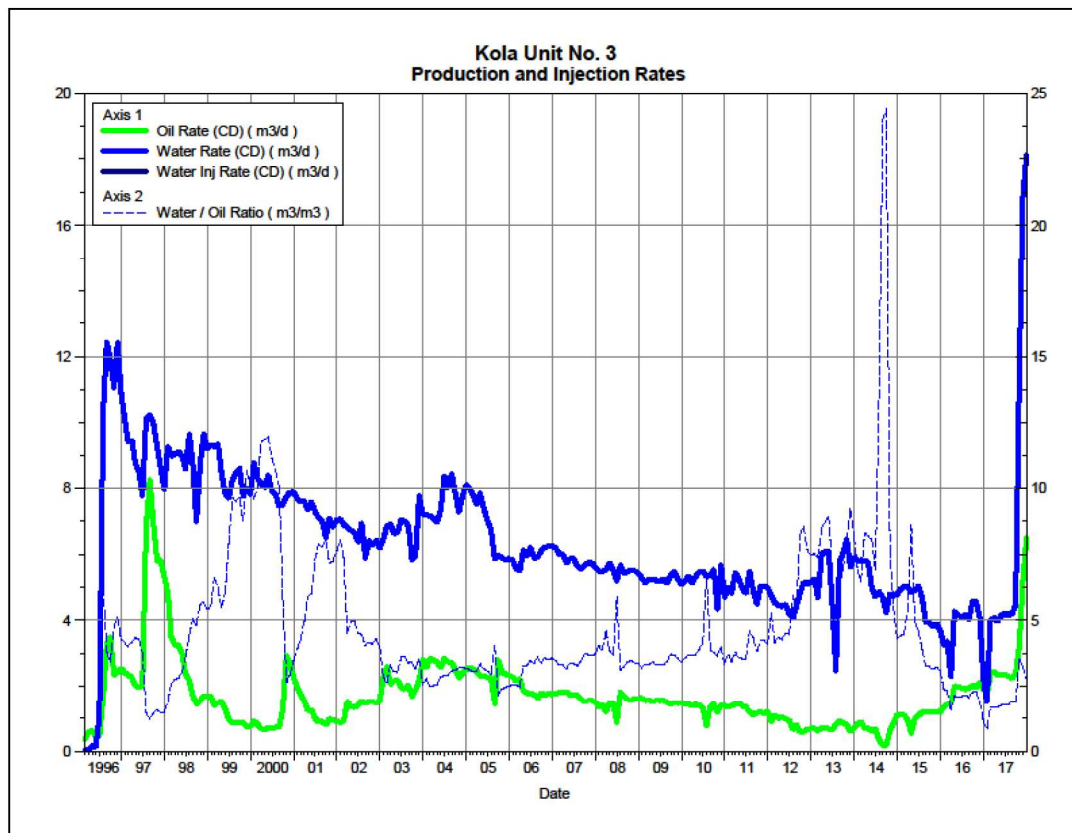
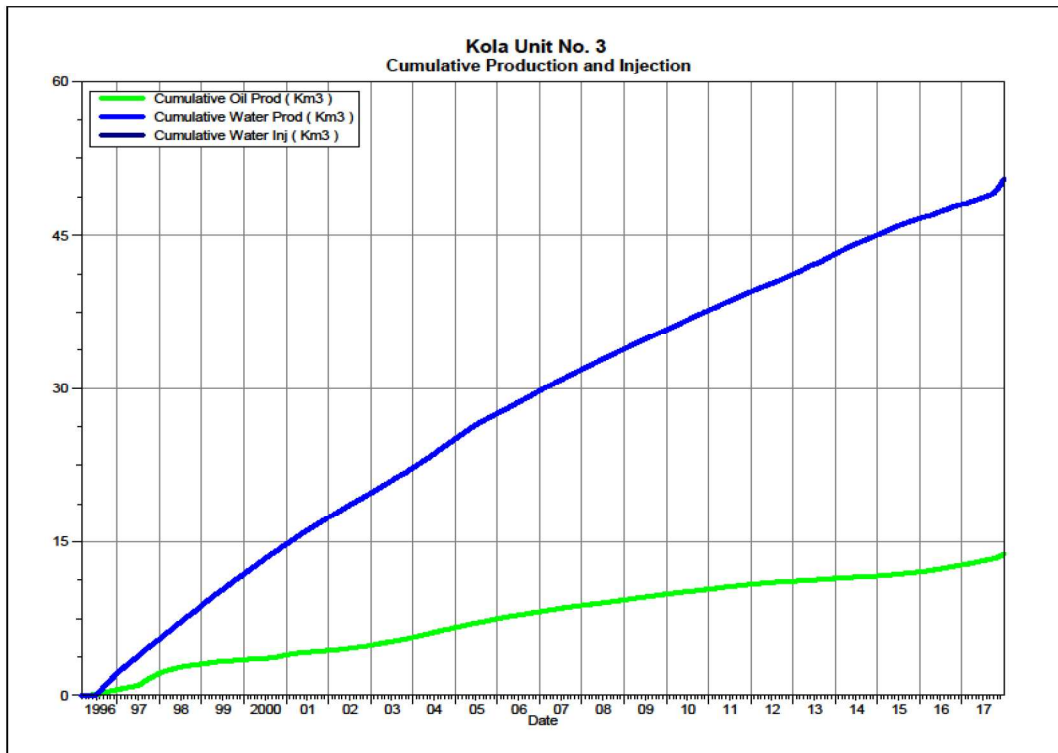


Figure 3 shows the cumulative production for Kola Unit No. 3 to the end of December 2017 as 13.8 e³m³ of oil and 50.49 e³m³ of water, representing a 4.0% recovery factor of the OOIP (340.6 e³m³).

Figure 3: Kola Unit No. 3 Cumulative Oil, Water and Water Injected vs. Time



Waterflood History

Kola Unit No. 3 is still in the development phase at the end of 2017. Tundra's plan for Kola Unit No. 3 is to develop the remaining undrilled LSD's to maximize oil recovery and evaluate pressure (via fall-off tests, static gradients and fluid levels) to estimate the level of reservoir communication with the existing Kola Units No. 1 and 2. Should the wells be sufficiently depleted, Tundra plans would be to convert such wells to waterflood, to increase the current reservoir pressure closer to the original pressure.

In August 2017, inter-unit openhole horizontal wells were drilled between Kola Unit No. 1 and Kola Unit No. 3 at 02/01-28-010-29W1 (02/01-28) and 00/09-28-010-29W1 (00/09-28). In October, the 00/09-28 was put on production to determine candidacy for converting to water injection.

Any future revisions to the waterflood development or surveillance plan would be based on new production or performance response data, technical studies, or observed reservoir behavior and reserves recovery interpretations.

Waterflood EOR Operating Strategy and Performance

Water Source and Quality

Injected fluid consisted of produced water from the Lodgepole formation, from the unit and surrounding area until November 2013. Injection water for Kola Unit No. 3 will be provided from the Jurassic source water well at 100/02-25-010-29W1 (2-25). Tundra received approval from the Petroleum Branch in March 2013 to use the 2-25 well as a source water well for waterflood operations. Jurassic-sourced water is pumped from the 2-25 source well to the Daly 12-24-10-29 battery, where it is filtered to 50 microns and then pumped up to injection system pressure.

Injection Wellhead Pressures

No wellhead injection pressure is available for Kola Unit No. 3.

Reservoir Pressure

Where practical, Tundra is committed to collecting pressure data from newly drilled horizontal wells. For Kola Unit No. 3, pressure data from a falloff test is currently available for the 00/09-28-010-29W1 location. The reservoir pressure is 5893 kPa(a), corrected to a common datum of -450m SS for comparison with other units in the area.

Well Servicing

No maintenance was required on the 4 wells in Kola Unit No. 3 in 2017.

Waterflood Performance Discussion

At the end of 2017, there is currently no water injection in Kola Unit No. 3.



RELIANCE
O I L F I E L D S E R V I C E S

Test Type Falloff

Company Name	Tundra Oil & Gas Partnership
Well Name	Kola Unit #3 HZNTL 09-28-010-29(WPM)
Unique Well ID	100/09-28-010-29W1/0
Well License Number	10751
Formation	Bakken
Start Test Date	2017/08/24
Final Test Date	2017/09/06

Prepared By Kennason Tech Services Inc.
Qualified By Cory [REDACTED]
Report Date 2017/09/13

Reliance OFS Canada Limited
2110 335 - 8th Ave SW
Calgary AB T2P 1C9
403-475-1229
relianceofs.com



Pressure Survey Report

Falloff

Company Name Tundra Oil & Gas Partnership
Contact Chris [REDACTED]

Representative Rick [REDACTED]

General Information

Well Name	Kola Unit #3 HZNTL 09-28-010-29(WPM)	KB Elevation (SL)	534.22 m
Unique Well ID	100/09-28-010-29W1/0	CF Elevation (SL)	530.12 m
Surface Location	12C-28-010-29W1	GL Elevation (SL)	530.12 m
Well License Number	10751	KB-CF Offset	4.10 m
Well Type	Horizontal	KB-GL Offset	4.10 m

Wellbore Information

Tubing OD	mm	Casing OD	177.8 mm
Tubing ID	mm	Casing ID	161.7 mm
Tubing Depth(Log KB)	m	Casing Depth(Log KB)	984.00000 m
Tubing Depth(TVD KB)	m	Casing Depth(TVD KB)	865.30000 m
Packer Depth(Log KB)	m	PBTD(Log KB)	2245.00 m
Packer Depth(TVD KB)	m	PBTD(TVD KB)	864.05 m

Gross Completion Interval (GCI) as tested:

Top(Log KB)	1121.77 m	Top(TVD KB)	870.65 m	Formation Name	Bakken
Bottom(Log KB)	2167.66 m	Bottom(TVD KB)	864.19 m	Pool	
MPP(Log KB)	1644.72 m	MPP(TVD KB)	867.42 m		

Test Information

Test Type	Falloff	Time/Date Well Shut-In	2017/08/24 09:20:55
Well Fluid Type	01 Oil		
Test Purpose	Initial Test		

Surface Pressures:

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

Test Results

Gauge Serial Number Used in Summary	77495	Run Depth (Log KB)	937.00 m
Last Measured Pressure at Run Depth	4929.67 kPa(a)	Run Depth (TVD KB)	863.00 m
Temperature at Run Depth	29.8 °C		

Test Remarks:

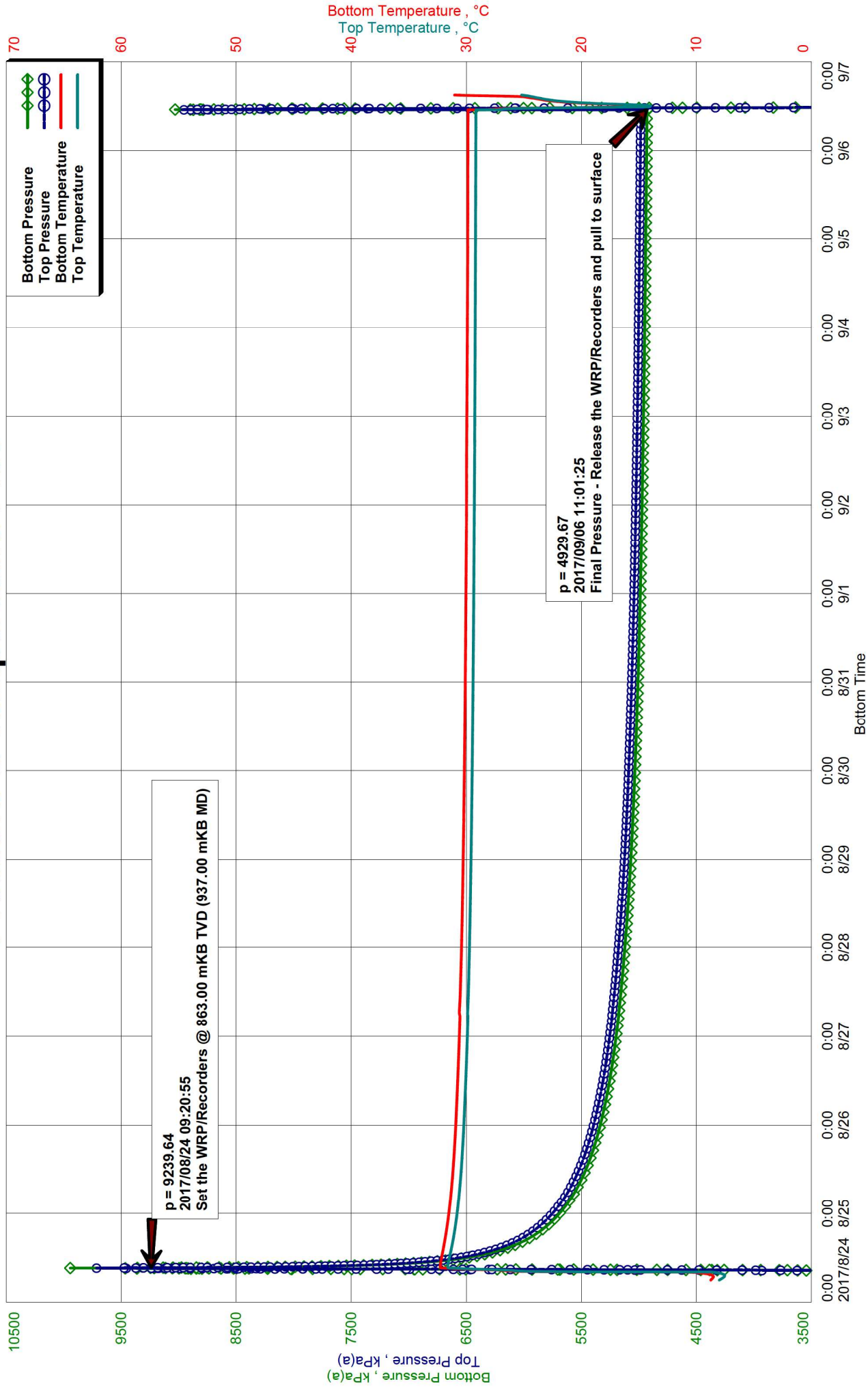
The Recorders ran at surface for 68hrs before and 143hrs after they were in the well - trimmed that extra data off for cleaner plots and data table.

Atmospheric Pressure is defaulted to 93 kPa

Tundra Oil & Gas Partnership
100/09-28-010-29W1/0
Start Test Date: 2017/08/24
Final Test Date: 2017/09/06

Kola Unit #3 HZNTL 09-28-010-29(WPM)
Formation: Bakken

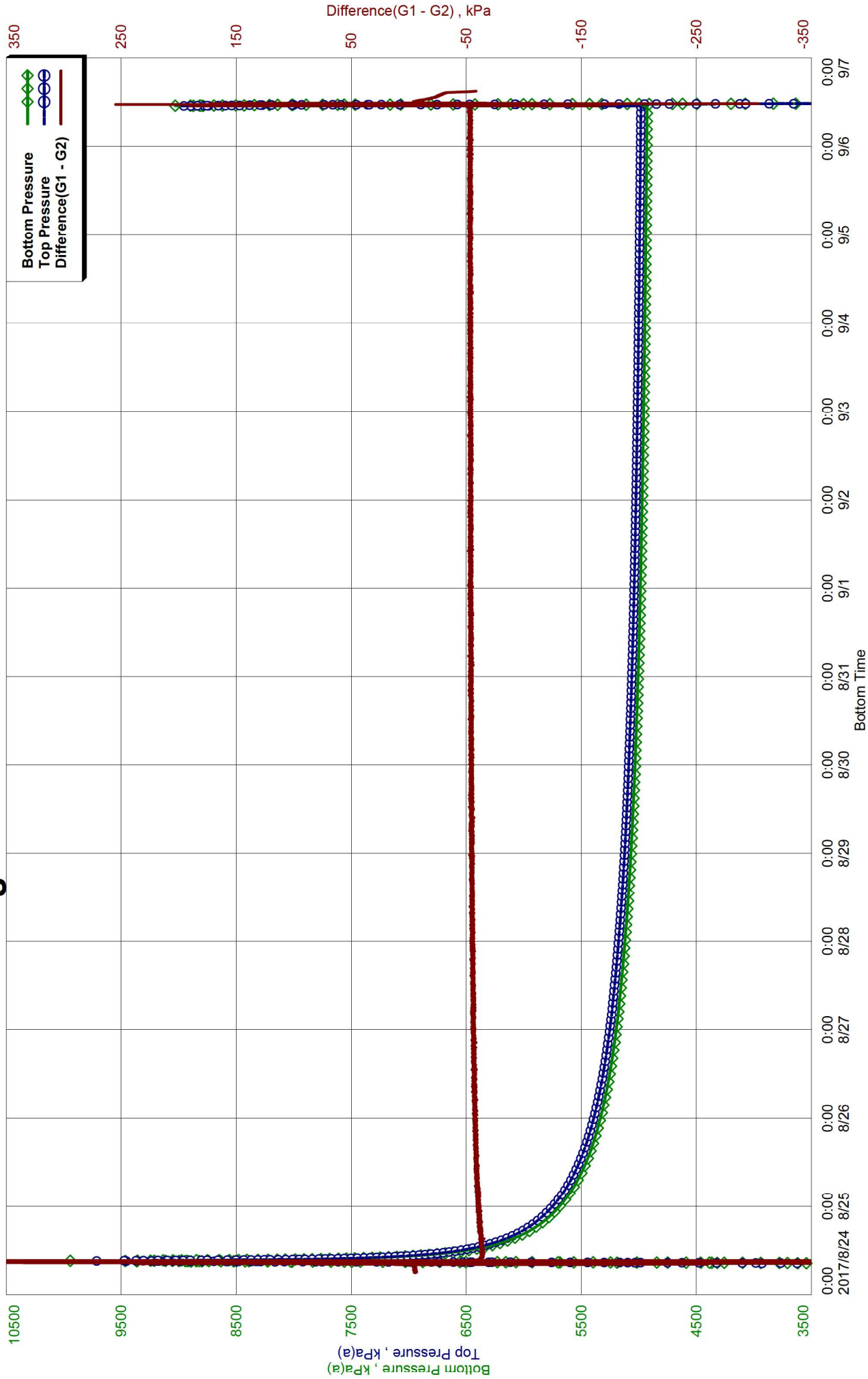
Pressure & Temperature Plot



Tundra Oil & Gas Partnership
100/09-28-010-29W1/0
Start Test Date: 2017/08/24
Final Test Date: 2017/09/06

Kola Unit #3 HZNTL 09-28-010-29(WPM)
Formation: Bakken

Gauge Pressure Differential Plot



Recorder Information

Company Name Tundra Oil & Gas Partnership
Unique Well ID 100/09-28-010-29W1/0

Well Name Kola Unit #3 HZNTL 09-28-010-29(WPM)
Formation Bakken

Start Test Date 2017/08/24 YYYY/MM/DD
Final Test Date 2017/09/06 YYYY/MM/DD

Gauge Name Bottom
Gauge Serial Number 77495
Run Depth (TVD KB) 863.00 m
Date of Last Calibration 2017/02/17 YYYY/MM/DD
Gauge Start Date 2017/08/21 YYYY/MM/DD
Gauge Stop Date 2017/09/06 YYYY/MM/DD
Date Gauge On Bottom 2017/08/24 YYYY/MM/DD
Date Gauge Off Bottom 2017/09/06 YYYY/MM/DD

Gauge Type Electronic
Gauge Manufacturer Spartek
Gauge Model SS2500
Maximum Recorder Range 41370.00 kPa
Gauge Start Time 09:29:00 HH:mm:ss
Gauge Stop Time 15:00:25 HH:mm:ss
Time Gauge On Bottom 09:20:55 HH:mm:ss
Time Gauge Off Bottom 11:01:25 HH:mm:ss

Gauge Name Top
Gauge Serial Number 77497
Run Depth (TVD KB) 862.99 m
Date of Last Calibration 2017/02/17 YYYY/MM/DD
Gauge Start Date 2017/08/21 YYYY/MM/DD
Gauge Stop Date 2017/09/06 YYYY/MM/DD
Date Gauge On Bottom 2017/08/24 YYYY/MM/DD
Date Gauge Off Bottom 2017/09/06 YYYY/MM/DD

Gauge Type Electronic
Gauge Manufacturer Spartek
Gauge Model SS2500
Maximum Recorder Range 41370.00 kPa
Gauge Start Time 09:29:00 HH:mm:ss
Gauge Stop Time 15:00:25 HH:mm:ss
Time Gauge On Bottom 09:20:55 HH:mm:ss
Time Gauge Off Bottom 11:01:25 HH:mm:ss

Company Name Tundra Oil & Gas Partnership
Unique Well ID 100/09-28-010-29W1/0
Start Test Date 2017/08/24 YYYY/MM/DD
Final Test Date 2017/09/06 YYYY/MM/DD

Well Name Kola Unit #3 HZNTL 09-28-010-29(WPM)
Formation Bakken

	Bottom Date	Bottom Time	Bottom Pres.	Bottom Temp.	Diff. G1 - G2	Top Time	Top Pres.	Top Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C	kPa	h	kPa(a)	°C
1	2017/08/24 06:00:25	68.5236	114.68	8.74	-5.97	68.5236	120.66	8.00
2	2017/08/24 06:50:25	69.3569	114.46	8.51	-6.22	69.3569	120.69	7.59
3	2017/08/24 07:40:25	70.1903	116.40	9.03	-4.40	70.1903	120.80	7.74
4	2017/08/24 08:30:25	71.0236	2977.41	26.53	-33.20	71.0236	3010.61	25.79
5	2017/08/24 09:20:25	71.8569	9223.91	32.25	-93.98	71.8569	9317.90	31.59
6	2017/08/24 09:20:55	71.8653	9239.64	32.25	-46.93	71.8653	9286.57	31.59
7	Set the WRP/Recorders @ 863.00 mKB TVD (937.00 mKB MD)							
8								
9	2017/08/24 09:21:25	71.8736	9135.04	32.25	-46.03	71.8736	9181.08	31.60
10	2017/08/24 10:10:25	72.6903	7214.04	32.24	-64.05	72.6903	7278.10	31.59
11	2017/08/24 11:00:25	73.5236	6772.09	32.20	-63.93	73.5236	6836.02	31.53
12	2017/08/24 11:50:25	74.3569	6537.58	32.15	-63.86	74.3569	6601.44	31.48
13	2017/08/24 12:40:25	75.1903	6382.08	32.11	-64.44	75.1903	6446.52	31.42
14	2017/08/24 13:30:25	76.0236	6268.55	32.05	-63.03	76.0236	6331.59	31.36
15	2017/08/24 14:20:25	76.8569	6177.78	32.00	-62.29	76.8569	6240.07	31.30
16	2017/08/24 15:10:25	77.6903	6100.71	31.95	-62.93	77.6903	6163.64	31.25
17	2017/08/24 16:00:25	78.5236	6035.99	31.90	-62.84	78.5236	6098.84	31.19
18	2017/08/24 16:50:25	79.3569	5980.04	31.85	-62.79	79.3569	6042.83	31.14
19	2017/08/24 17:40:25	80.1903	5930.92	31.80	-63.72	80.1903	5994.64	31.10
20	2017/08/24 18:30:25	81.0236	5889.83	31.76	-62.02	81.0236	5951.85	31.05
21	2017/08/24 19:20:25	81.8569	5850.61	31.72	-62.97	81.8569	5913.58	31.00
22	2017/08/24 20:10:25	82.6903	5817.53	31.68	-61.01	82.6903	5878.54	30.96
23	2017/08/24 21:00:25	83.5236	5786.20	31.64	-60.52	83.5236	5846.72	30.92
24	2017/08/24 21:50:25	84.3569	5757.26	31.60	-60.39	84.3569	5817.66	30.88
25	2017/08/24 22:40:25	85.1903	5729.95	31.56	-60.86	85.1903	5790.80	30.85
26	2017/08/24 23:30:25	86.0236	5703.57	31.53	-61.21	86.0236	5764.78	30.81
27	2017/08/25 00:20:25	86.8569	5681.20	31.50	-59.72	86.8569	5740.92	30.78
28	2017/08/25 01:10:25	87.6903	5658.71	31.46	-60.17	87.6903	5718.88	30.75
29	2017/08/25 02:00:25	88.5236	5637.31	31.44	-60.87	88.5236	5698.18	30.71
30	2017/08/25 02:50:25	89.3569	5617.87	31.40	-60.67	89.3569	5678.54	30.69
31	2017/08/25 03:40:25	90.1903	5600.46	31.37	-60.08	90.1903	5660.53	30.66
32	2017/08/25 04:30:25	91.0236	5583.32	31.35	-59.76	91.0236	5643.09	30.64
33	2017/08/25 05:20:25	91.8569	5567.27	31.33	-59.30	91.8569	5626.57	30.61
34	2017/08/25 06:10:25	92.6903	5551.32	31.29	-59.24	92.6903	5610.56	30.58
35	2017/08/25 07:00:25	93.5236	5536.99	31.27	-58.88	93.5236	5595.87	30.56
36	2017/08/25 07:50:25	94.3569	5520.81	31.25	-60.76	94.3569	5581.57	30.54
37	2017/08/25 08:40:25	95.1903	5508.75	31.23	-59.01	95.1903	5567.76	30.51
38	2017/08/25 09:30:25	96.0236	5494.95	31.20	-59.79	96.0236	5554.74	30.49
39	2017/08/25 10:20:25	96.8569	5484.78	31.18	-57.28	96.8569	5542.06	30.47
40	2017/08/25 11:10:25	97.6903	5471.94	31.16	-58.12	97.6903	5530.06	30.45
41	2017/08/25 12:00:25	98.5236	5459.88	31.14	-58.31	98.5236	5518.20	30.43
42	2017/08/25 12:50:25	99.3569	5448.50	31.12	-59.06	99.3569	5507.57	30.41
43	2017/08/25 13:40:25	100.1903	5436.73	31.10	-59.97	100.1903	5496.71	30.39
44	2017/08/25 14:30:25	101.0236	5427.49	31.08	-58.88	101.0236	5486.37	30.37
45	2017/08/25 15:20:25	101.8569	5418.12	31.06	-58.54	101.8569	5476.66	30.36

Print Filter: Approximately every 100 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Bottom	77495	2017/08/21 YYYY/MM/DD	09:29:00 HH:mm:ss	863.00 m
Top	77497	2017/08/21 YYYY/MM/DD	09:29:00 HH:mm:ss	862.99 m

Company Name Tundra Oil & Gas Partnership
 Unique Well ID 100/09-28-010-29W1/0
 Start Test Date 2017/08/24 YYYY/MM/DD
 Final Test Date 2017/09/06 YYYY/MM/DD

Well Name Kola Unit #3 HZNTL 09-28-010-29(WPM)
 Formation Bakken

	Bottom Date	Bottom Time	Bottom Pres.	Bottom Temp.	Diff. G1 - G2	Top Time	Top Pres.	Top Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C	kPa	h	kPa(a)	°C
46	2017/08/25 16:10:25	102.6903	5408.75	31.05	-58.22	102.6903	5466.97	30.34
47	2017/08/25 17:00:25	103.5236	5399.53	31.03	-58.41	103.5236	5457.94	30.33
48	2017/08/25 17:50:25	104.3569	5390.42	31.02	-58.56	104.3569	5448.98	30.31
49	2017/08/25 18:40:25	105.1903	5382.40	31.00	-58.26	105.1903	5440.65	30.29
50	2017/08/25 19:30:25	106.0236	5373.42	30.98	-58.76	106.0236	5432.18	30.28
51	2017/08/25 20:20:25	106.8569	5365.93	30.97	-58.52	106.8569	5424.45	30.27
52	2017/08/25 21:10:25	107.6903	5359.37	30.96	-57.73	107.6903	5417.11	30.25
53	2017/08/25 22:00:25	108.5236	5352.01	30.94	-57.34	108.5236	5409.35	30.24
54	2017/08/25 22:50:25	109.3569	5343.58	30.92	-58.08	109.3569	5401.66	30.22
55	2017/08/25 23:40:25	110.1903	5336.89	30.91	-58.27	110.1903	5395.15	30.21
56	2017/08/26 00:30:25	111.0236	5329.66	30.90	-58.47	111.0236	5388.13	30.20
57	2017/08/26 01:20:25	111.8569	5324.30	30.88	-57.34	111.8569	5381.65	30.19
58	2017/08/26 02:10:25	112.6903	5317.49	30.87	-57.72	112.6903	5375.21	30.18
59	2017/08/26 03:00:25	113.5236	5310.67	30.86	-58.13	113.5236	5368.80	30.16
60	2017/08/26 03:50:25	114.3569	5305.58	30.85	-57.28	114.3569	5362.85	30.15
61	2017/08/26 04:40:25	115.1903	5300.09	30.84	-56.53	115.1903	5356.62	30.14
62	2017/08/26 05:30:25	116.0236	5293.15	30.83	-57.98	116.0236	5351.13	30.13
63	2017/08/26 06:20:25	116.8569	5287.79	30.81	-57.85	116.8569	5345.64	30.11
64	2017/08/26 07:10:25	117.6903	5282.44	30.80	-57.69	117.6903	5340.13	30.10
65	2017/08/26 08:00:25	118.5236	5278.41	30.79	-56.40	118.5236	5334.81	30.09
66	2017/08/26 08:50:25	119.3569	5273.19	30.78	-56.19	119.3569	5329.38	30.08
67	2017/08/26 09:40:25	120.1903	5267.44	30.77	-56.89	120.1903	5324.34	30.07
68	2017/08/26 10:30:25	121.0236	5261.97	30.76	-56.99	121.0236	5318.95	30.06
69	2017/08/26 11:20:25	121.8569	5257.54	30.75	-56.71	121.8569	5314.25	30.05
70	2017/08/26 12:10:25	122.6903	5252.60	30.74	-56.91	122.6903	5309.51	30.03
71	2017/08/26 13:00:25	123.5236	5248.71	30.73	-56.22	123.5236	5304.93	30.03
72	2017/08/26 13:50:25	124.3569	5242.96	30.71	-57.68	124.3569	5300.64	30.02
73	2017/08/26 14:40:25	125.1903	5239.74	30.71	-56.24	125.1903	5295.98	30.01
74	2017/08/26 15:30:25	126.0236	5234.79	30.70	-56.84	126.0236	5291.63	30.00
75	2017/08/26 16:20:25	126.8569	5230.24	30.68	-56.84	126.8569	5287.09	29.98
76	2017/08/26 17:10:25	127.6903	5226.23	30.68	-56.87	127.6903	5283.10	29.97
77	2017/08/26 18:00:25	128.5236	5223.14	30.66	-56.44	128.5236	5279.57	29.97
78	2017/08/26 18:50:25	129.3569	5219.92	30.65	-55.52	129.3569	5275.44	29.96
79	2017/08/26 19:40:25	130.1903	5214.97	30.64	-56.66	130.1903	5271.63	29.95
80	2017/08/26 20:30:25	131.0236	5211.89	30.63	-56.18	131.0236	5268.07	29.94
81	2017/08/26 21:20:25	131.8569	5208.00	30.62	-56.14	131.8569	5264.14	29.93
82	2017/08/26 22:10:25	132.6903	5204.00	30.62	-56.65	132.6903	5260.65	29.92
83	2017/08/26 23:00:25	133.5236	5200.65	30.61	-56.26	133.5236	5256.90	29.91
84	2017/08/26 23:50:25	134.3569	5195.97	30.60	-57.52	134.3569	5253.49	29.90
85	2017/08/27 00:40:25	135.1903	5192.89	30.59	-57.33	135.1903	5250.21	29.90
86	2017/08/27 01:30:25	136.0236	5189.94	30.58	-56.78	136.0236	5246.72	29.88
87	2017/08/27 02:20:25	136.8569	5186.99	30.57	-56.12	136.8569	5243.11	29.88
88	2017/08/27 03:10:25	137.6903	5183.12	30.56	-56.91	137.6903	5240.03	29.87
89	2017/08/27 04:00:25	138.5236	5181.51	30.56	-55.45	138.5236	5236.95	29.86
90	2017/08/27 04:50:25	139.3569	5177.63	30.55	-56.11	139.3569	5233.73	29.86

Print Filter: Approximately every 100 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Bottom	77495	2017/08/21 YYYY/MM/DD	09:29:00 HH:mm:ss	863.00 m
Top	77497	2017/08/21 YYYY/MM/DD	09:29:00 HH:mm:ss	862.99 m

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 Unique Well ID 100/09-28-010-29W1/0
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 Formation Bakken

	Bottom Date	Bottom Time	Bottom Pres.	Bottom Temp.	Diff. G1 - G2	Top Time	Top Pres.	Top Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C	kPa	h	kPa(a)	°C
91	2017/08/27 05:40:25	140.1903	5174.96	30.54	-56.89	140.1903	5231.85	29.85
92	2017/08/27 06:30:25	141.0236	5172.44	30.60	-56.75	141.0236	5229.18	29.88
93	2017/08/27 07:20:25	141.8569	5170.15	30.59	-56.34	141.8569	5226.49	29.87
94	2017/08/27 08:10:25	142.6903	5167.71	30.57	-56.07	142.6903	5223.78	29.85
95	2017/08/27 09:00:25	143.5236	5164.88	30.56	-56.04	143.5236	5220.93	29.84
96	2017/08/27 09:50:25	144.3569	5162.46	30.54	-55.64	144.3569	5218.10	29.83
97	2017/08/27 10:40:25	145.1903	5159.50	30.53	-56.11	145.1903	5215.61	29.82
98	2017/08/27 11:30:25	146.0236	5156.15	30.52	-56.49	146.0236	5212.64	29.81
99	2017/08/27 12:20:25	146.8569	5153.73	30.51	-55.95	146.8569	5209.68	29.80
100	2017/08/27 13:10:25	147.6903	5150.79	30.50	-56.41	147.6903	5207.20	29.80
101	2017/08/27 14:00:25	148.5236	5148.51	30.50	-55.79	148.5236	5204.30	29.79
102	2017/08/27 14:50:25	149.3569	5145.97	30.49	-56.39	149.3569	5202.36	29.78
103	2017/08/27 15:40:25	150.1903	5143.68	30.48	-55.64	150.1903	5199.33	29.77
104	2017/08/27 16:30:25	151.0236	5141.67	30.47	-54.89	151.0236	5196.57	29.77
105	2017/08/27 17:20:25	151.8569	5138.60	30.46	-55.64	151.8569	5194.24	29.77
106	2017/08/27 18:10:25	152.6903	5136.70	30.45	-55.22	152.6903	5191.92	29.76
107	2017/08/27 19:00:25	153.5236	5133.50	30.45	-56.43	153.5236	5189.93	29.75
108	2017/08/27 19:50:25	154.3569	5132.02	30.44	-54.96	154.3569	5186.99	29.75
109	2017/08/27 20:40:25	155.1903	5128.55	30.43	-56.37	155.1903	5184.92	29.74
110	2017/08/27 21:30:25	156.0236	5126.80	30.42	-56.17	156.0236	5182.97	29.74
111	2017/08/27 22:20:25	156.8569	5124.92	30.42	-55.62	156.8569	5180.54	29.73
112	2017/08/27 23:10:25	157.6903	5123.84	30.41	-54.39	157.6903	5178.23	29.72
113	2017/08/28 00:00:25	158.5236	5121.04	30.41	-55.12	158.5236	5176.16	29.72
114	2017/08/28 00:50:25	159.3569	5118.23	30.40	-55.65	159.3569	5173.88	29.71
115	2017/08/28 01:40:25	160.1903	5117.16	30.39	-54.87	160.1903	5172.02	29.70
116	2017/08/28 02:30:25	161.0236	5113.82	30.39	-55.81	161.0236	5169.63	29.70
117	2017/08/28 03:20:25	161.8569	5112.87	30.38	-54.69	161.8569	5167.56	29.70
118	2017/08/28 04:10:25	162.6903	5110.74	30.38	-54.93	162.6903	5165.67	29.69
119	2017/08/28 05:00:25	163.5236	5109.26	30.37	-54.10	163.5236	5163.36	29.68
120	2017/08/28 05:50:25	164.3569	5105.92	30.37	-55.46	164.3569	5161.38	29.68
121	2017/08/28 06:40:25	165.1903	5104.71	30.36	-54.93	165.1903	5159.64	29.68
122	2017/08/28 07:30:25	166.0236	5102.05	30.36	-55.68	166.0236	5157.72	29.67
123	2017/08/28 08:20:25	166.8569	5099.51	30.35	-55.89	166.8569	5155.40	29.66
124	2017/08/28 09:10:25	167.6903	5098.96	30.34	-54.60	167.6903	5153.56	29.66
125	2017/08/28 10:00:25	168.5236	5096.68	30.34	-55.12	168.5236	5151.80	29.65
126	2017/08/28 10:50:25	169.3569	5094.55	30.33	-55.45	169.3569	5150.00	29.65
127	2017/08/28 11:40:25	170.1903	5092.81	30.33	-55.45	170.1903	5148.26	29.64
128	2017/08/28 12:30:25	171.0236	5090.68	30.33	-55.60	171.0236	5146.28	29.64
129	2017/08/28 13:20:25	171.8569	5089.33	30.32	-55.24	171.8569	5144.57	29.64
130	2017/08/28 14:10:25	172.6903	5087.86	30.31	-54.94	172.6903	5142.80	29.63
131	2017/08/28 15:00:25	173.5236	5086.12	30.31	-55.08	173.5236	5141.20	29.63
132	2017/08/28 15:50:25	174.3569	5084.52	30.31	-54.88	174.3569	5139.40	29.62
133	2017/08/28 16:40:25	175.1903	5083.17	30.30	-54.49	175.1903	5137.67	29.62
134	2017/08/28 17:30:25	176.0236	5081.57	30.30	-54.47	176.0236	5136.05	29.61
135	2017/08/28 18:20:25	176.8569	5079.43	30.29	-54.94	176.8569	5134.37	29.61

Print Filter: Approximately every 100 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Bottom	77495	2017/08/21 YYYY/MM/DD	09:29:00 HH:mm:ss	863.00 m
Top	77497	2017/08/21 YYYY/MM/DD	09:29:00 HH:mm:ss	862.99 m

Company Name Tundra Oil & Gas Partnership
Unique Well ID 100/09-28-010-29W1/0
Start Test Date 2017/08/24 YYYY/MM/DD
Final Test Date 2017/09/06 YYYY/MM/DD

Well Name Kola Unit #3 HZNTL 09-28-010-29(WPM)
Formation Bakken

	Bottom Date	Bottom Time	Bottom Pres.	Bottom Temp.	Diff. G1 - G2	Top Time	Top Pres.	Top Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C	kPa	h	kPa(a)	°C
136	2017/08/28 19:10:25	177.6903	5078.49	30.29	-54.30	177.6903	5132.79	29.60
137	2017/08/28 20:00:25	178.5236	5075.95	30.28	-55.03	178.5236	5130.98	29.60
138	2017/08/28 20:50:25	179.3569	5074.62	30.28	-54.96	179.3569	5129.58	29.60
139	2017/08/28 21:40:25	180.1903	5073.68	30.27	-54.28	180.1903	5127.96	29.59
140	2017/08/28 22:30:25	181.0236	5071.80	30.27	-54.66	181.0236	5126.46	29.59
141	2017/08/28 23:20:25	181.8569	5069.68	30.27	-55.37	181.8569	5125.05	29.58
142	2017/08/29 00:10:25	182.6903	5067.67	30.26	-55.81	182.6903	5123.48	29.58
143	2017/08/29 01:00:25	183.5236	5067.53	30.26	-54.19	183.5236	5121.72	29.57
144	2017/08/29 01:50:25	184.3569	5066.06	30.25	-54.25	184.3569	5120.31	29.57
145	2017/08/29 02:40:25	185.1903	5064.86	30.25	-54.17	185.1903	5119.03	29.57
146	2017/08/29 03:30:25	186.0236	5062.58	30.25	-55.30	186.0236	5117.88	29.57
147	2017/08/29 04:20:25	186.8569	5062.03	30.24	-54.07	186.8569	5116.10	29.56
148	2017/08/29 05:10:25	187.6903	5060.84	30.24	-54.03	187.6903	5114.87	29.56
149	2017/08/29 06:00:25	188.5236	5059.23	30.23	-54.24	188.5236	5113.47	29.55
150	2017/08/29 06:50:25	189.3569	5057.50	30.23	-54.53	189.3569	5112.02	29.55
151	2017/08/29 07:40:25	190.1903	5057.49	30.23	-53.18	190.1903	5110.66	29.54
152	2017/08/29 08:30:25	191.0236	5054.03	30.22	-55.20	191.0236	5109.22	29.54
153	2017/08/29 09:20:25	191.8569	5053.88	30.22	-54.18	191.8569	5108.06	29.53
154	2017/08/29 10:10:25	192.6903	5051.75	30.21	-54.97	192.6903	5106.72	29.53
155	2017/08/29 11:00:25	193.5236	5051.47	30.21	-54.12	193.5236	5105.59	29.53
156	2017/08/29 11:50:25	194.3569	5050.67	30.21	-53.76	194.3569	5104.44	29.53
157	2017/08/29 12:40:25	195.1903	5048.67	30.21	-54.81	195.1903	5103.49	29.52
158	2017/08/29 13:30:25	196.0236	5048.40	30.20	-53.30	196.0236	5101.70	29.53
159	2017/08/29 14:20:25	196.8569	5046.26	30.20	-54.34	196.8569	5100.59	29.52
160	2017/08/29 15:10:25	197.6903	5045.19	30.19	-54.54	197.6903	5099.73	29.51
161	2017/08/29 16:00:25	198.5236	5043.19	30.19	-54.87	198.5236	5098.06	29.51
162	2017/08/29 16:50:25	199.3569	5043.18	30.19	-53.91	199.3569	5097.09	29.51
163	2017/08/29 17:40:25	200.1903	5040.92	30.19	-55.28	200.1903	5096.20	29.50
164	2017/08/29 18:30:25	201.0236	5040.51	30.18	-54.42	201.0236	5094.93	29.50
165	2017/08/29 19:20:25	201.8569	5039.30	30.18	-54.61	201.8569	5093.91	29.50
166	2017/08/29 20:10:25	202.6903	5037.43	30.17	-55.44	202.6903	5092.87	29.49
167	2017/08/29 21:00:25	203.5236	5037.43	30.17	-54.15	203.5236	5091.58	29.49
168	2017/08/29 21:50:25	204.3569	5037.15	30.16	-53.38	204.3569	5090.53	29.49
169	2017/08/29 22:40:25	205.1903	5034.10	30.16	-55.43	205.1903	5089.52	29.49
170	2017/08/29 23:30:25	206.0236	5033.68	30.16	-54.59	206.0236	5088.28	29.48
171	2017/08/30 00:20:25	206.8569	5033.15	30.16	-54.01	206.8569	5087.16	29.48
172	2017/08/30 01:10:25	207.6903	5031.54	30.15	-54.46	207.6903	5086.01	29.48
173	2017/08/30 02:00:25	208.5236	5031.67	30.15	-53.42	208.5236	5085.09	29.47
174	2017/08/30 02:50:25	209.3569	5030.34	30.15	-53.81	209.3569	5084.14	29.47
175	2017/08/30 03:40:25	210.1903	5029.80	30.14	-53.54	210.1903	5083.34	29.47
176	2017/08/30 04:30:25	211.0236	5028.07	30.14	-53.86	211.0236	5081.93	29.46
177	2017/08/30 05:20:25	211.8569	5027.00	30.14	-54.26	211.8569	5081.26	29.46
178	2017/08/30 06:10:25	212.6903	5025.66	30.14	-54.51	212.6903	5080.17	29.46
179	2017/08/30 07:00:25	213.5236	5025.14	30.14	-53.95	213.5236	5079.10	29.46
180	2017/08/30 07:50:25	214.3569	5024.32	30.13	-53.79	214.3569	5078.11	29.45

Print Filter: Approximately every 100 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Bottom	77495	2017/08/21 YYYY/MM/DD	09:29:00 HH:mm:ss	863.00 m
Top	77497	2017/08/21 YYYY/MM/DD	09:29:00 HH:mm:ss	862.99 m

Company Name Tundra Oil & Gas Partnership
 Unique Well ID 100/09-28-010-29W1/0
 Start Test Date 2017/08/24 YYYY/MM/DD
 Final Test Date 2017/09/06 YYYY/MM/DD

Well Name Kola Unit #3 HZNTL 09-28-010-29(WPM)
 Formation Bakken

	Bottom Date	Bottom Time	Bottom Pres.	Bottom Temp.	Diff. G1 - G2	Top Time	Top Pres.	Top Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C	kPa	h	kPa(a)	°C
181	2017/08/30 08:40:25	215.1903	5023.25	30.13	-54.07	215.1903	5077.32	29.45
182	2017/08/30 09:30:25	216.0236	5022.72	30.13	-53.65	216.0236	5076.37	29.45
183	2017/08/30 10:20:25	216.8569	5021.11	30.12	-54.38	216.8569	5075.49	29.45
184	2017/08/30 11:10:25	217.6903	5020.44	30.12	-53.85	217.6903	5074.29	29.44
185	2017/08/30 12:00:25	218.5236	5019.77	30.11	-53.84	218.5236	5073.61	29.44
186	2017/08/30 12:50:25	219.3569	5018.18	30.12	-54.36	219.3569	5072.54	29.44
187	2017/08/30 13:40:25	220.1903	5017.64	30.11	-53.96	220.1903	5071.60	29.44
188	2017/08/30 14:30:25	221.0236	5015.90	30.11	-54.98	221.0236	5070.89	29.43
189	2017/08/30 15:20:25	221.8569	5014.96	30.10	-54.69	221.8569	5069.66	29.43
190	2017/08/30 16:10:25	222.6903	5014.83	30.10	-54.21	222.6903	5069.03	29.43
191	2017/08/30 17:00:25	223.5236	5013.36	30.10	-54.60	223.5236	5067.96	29.43
192	2017/08/30 17:50:25	224.3569	5013.49	30.10	-53.65	224.3569	5067.14	29.42
193	2017/08/30 18:40:25	225.1903	5012.29	30.10	-53.97	225.1903	5066.27	29.42
194	2017/08/30 19:30:25	226.0236	5010.82	30.09	-54.73	226.0236	5065.55	29.41
195	2017/08/30 20:20:25	226.8569	5011.61	30.09	-53.19	226.8569	5064.80	29.41
196	2017/08/30 21:10:25	227.6903	5009.09	30.09	-54.49	227.6903	5063.57	29.41
197	2017/08/30 22:00:25	228.5236	5009.08	30.09	-54.22	228.5236	5063.31	29.41
198	2017/08/30 22:50:25	229.3569	5007.75	30.09	-54.29	229.3569	5062.04	29.40
199	2017/08/30 23:40:25	230.1903	5007.74	30.08	-53.51	230.1903	5061.25	29.41
200	2017/08/31 00:30:25	231.0236	5006.15	30.08	-54.25	231.0236	5060.39	29.40
201	2017/08/31 01:20:25	231.8569	5006.14	30.08	-53.67	231.8569	5059.80	29.40
202	2017/08/31 02:10:25	232.6903	5004.53	30.07	-54.54	232.6903	5059.07	29.40
203	2017/08/31 03:00:25	233.5236	5004.27	30.08	-53.74	233.5236	5058.01	29.39
204	2017/08/31 03:50:25	234.3569	5003.73	30.07	-53.54	234.3569	5057.27	29.39
205	2017/08/31 04:40:25	235.1903	5002.14	30.07	-54.14	235.1903	5056.28	29.39
206	2017/08/31 05:30:25	236.0236	5000.93	30.06	-54.93	236.0236	5055.85	29.38
207	2017/08/31 06:20:25	236.8569	5000.93	30.06	-53.90	236.8569	5054.83	29.39
208	2017/08/31 07:10:25	237.6903	5000.78	30.06	-53.48	237.6903	5054.26	29.39
209	2017/08/31 08:00:25	238.5236	4999.45	30.06	-53.76	238.5236	5053.20	29.38
210	2017/08/31 08:50:25	239.3569	4998.25	30.05	-54.39	239.3569	5052.64	29.38
211	2017/08/31 09:40:25	240.1903	4997.98	30.05	-54.13	240.1903	5052.11	29.38
212	2017/08/31 10:30:25	241.0236	4997.05	30.05	-54.30	241.0236	5051.36	29.37
213	2017/08/31 11:20:25	241.8569	4996.24	30.05	-54.12	241.8569	5050.37	29.37
214	2017/08/31 12:10:25	242.6903	4996.11	30.05	-53.71	242.6903	5049.82	29.37
215	2017/08/31 13:00:25	243.5236	4994.91	30.05	-54.17	243.5236	5049.08	29.37
216	2017/08/31 13:50:25	244.3569	4993.84	30.04	-54.58	244.3569	5048.42	29.36
217	2017/08/31 14:40:25	245.1903	4994.65	30.05	-52.98	245.1903	5047.62	29.36
218	2017/08/31 15:30:25	246.0236	4992.91	30.04	-54.19	246.0236	5047.11	29.36
219	2017/08/31 16:20:25	246.8569	4992.51	30.04	-53.97	246.8569	5046.48	29.36
220	2017/08/31 17:10:25	247.6903	4991.16	30.03	-54.52	247.6903	5045.68	29.36
221	2017/08/31 18:00:25	248.5236	4991.95	30.03	-53.29	248.5236	5045.25	29.36
222	2017/08/31 18:50:25	249.3569	4991.03	30.03	-53.46	249.3569	5044.49	29.35
223	2017/08/31 19:40:25	250.1903	4989.17	30.03	-54.40	250.1903	5043.57	29.35
224	2017/08/31 20:30:25	251.0236	4989.69	30.03	-53.37	251.0236	5043.06	29.35
225	2017/08/31 21:20:25	251.8569	4988.76	30.03	-53.80	251.8569	5042.56	29.35

Print Filter: Approximately every 100 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Bottom	77495	2017/08/21 YYYY/MM/DD	09:29:00 HH:mm:ss	863.00 m
Top	77497	2017/08/21 YYYY/MM/DD	09:29:00 HH:mm:ss	862.99 m

Company Name Tundra Oil & Gas Partnership
Unique Well ID 100/09-28-010-29W1/0
Start Test Date 2017/08/24 YYYY/MM/DD
Final Test Date 2017/09/06 YYYY/MM/DD

Well Name Kola Unit #3 HZNTL 09-28-010-29(WPM)
Formation Bakken

	Bottom Date	Bottom Time	Bottom Pres.	Bottom Temp.	Diff. G1 - G2	Top Time	Top Pres.	Top Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C	kPa	h	kPa(a)	°C
226	2017/08/31 22:10:25	252.6903	4988.50	30.03	-53.18	252.6903	5041.68	29.35
227	2017/08/31 23:00:25	253.5236	4988.22	30.02	-53.06	253.5236	5041.28	29.35
228	2017/08/31 23:50:25	254.3569	4987.01	30.02	-53.53	254.3569	5040.54	29.35
229	2017/09/01 00:40:25	255.1903	4987.02	30.02	-52.98	255.1903	5039.99	29.34
230	2017/09/01 01:30:25	256.0236	4985.68	30.02	-53.49	256.0236	5039.17	29.34
231	2017/09/01 02:20:25	256.8569	4985.14	30.01	-53.42	256.8569	5038.57	29.34
232	2017/09/01 03:10:25	257.6903	4984.74	30.01	-53.33	257.6903	5038.07	29.33
233	2017/09/01 04:00:25	258.5236	4984.21	30.01	-53.35	258.5236	5037.56	29.34
234	2017/09/01 04:50:25	259.3569	4982.22	30.01	-54.67	259.3569	5036.89	29.34
235	2017/09/01 05:40:25	260.1903	4982.87	30.01	-53.42	260.1903	5036.29	29.33
236	2017/09/01 06:30:25	261.0236	4981.29	30.01	-54.34	261.0236	5035.63	29.33
237	2017/09/01 07:20:25	261.8569	4982.46	30.00	-52.60	261.8569	5035.07	29.33
238	2017/09/01 08:10:25	262.6903	4981.80	30.00	-52.76	262.6903	5034.57	29.32
239	2017/09/01 09:00:25	263.5236	4979.14	30.00	-54.80	263.5236	5033.94	29.32
240	2017/09/01 09:50:25	264.3569	4980.20	30.00	-53.14	264.3569	5033.34	29.32
241	2017/09/01 10:40:25	265.1903	4979.13	30.00	-53.99	265.1903	5033.12	29.32
242	2017/09/01 11:30:25	266.0236	4977.79	29.99	-54.51	266.0236	5032.30	29.32
243	2017/09/01 12:20:25	266.8569	4978.19	29.99	-53.76	266.8569	5031.95	29.32
244	2017/09/01 13:10:25	267.6903	4977.39	29.99	-54.02	267.6903	5031.41	29.31
245	2017/09/01 14:00:25	268.5236	4976.73	29.99	-54.04	268.5236	5030.77	29.31
246	2017/09/01 14:50:25	269.3569	4976.99	29.99	-53.34	269.3569	5030.33	29.31
247	2017/09/01 15:40:25	270.1903	4976.45	29.98	-53.47	270.1903	5029.91	29.31
248	2017/09/01 16:30:25	271.0236	4975.65	29.99	-53.53	271.0236	5029.19	29.31
249	2017/09/01 17:20:25	271.8569	4974.98	29.98	-53.87	271.8569	5028.84	29.31
250	2017/09/01 18:10:25	272.6903	4975.12	29.98	-53.39	272.6903	5028.51	29.30
251	2017/09/01 19:00:25	273.5236	4974.98	29.98	-53.01	273.5236	5027.99	29.30
252	2017/09/01 19:50:25	274.3569	4972.85	29.98	-54.31	274.3569	5027.16	29.30
253	2017/09/01 20:40:25	275.1903	4972.85	29.98	-53.83	275.1903	5026.68	29.29
254	2017/09/01 21:30:25	276.0236	4972.84	29.98	-53.48	276.0236	5026.32	29.30
255	2017/09/01 22:20:25	276.8569	4973.11	29.98	-52.52	276.8569	5025.64	29.30
256	2017/09/01 23:10:25	277.6903	4972.44	29.97	-53.18	277.6903	5025.62	29.29
257	2017/09/02 00:00:25	278.5236	4971.51	29.97	-52.94	278.5236	5024.44	29.29
258	2017/09/02 00:50:25	279.3569	4970.84	29.97	-53.63	279.3569	5024.46	29.29
259	2017/09/02 01:40:25	280.1903	4969.91	29.97	-54.14	280.1903	5024.05	29.29
260	2017/09/02 02:30:25	281.0236	4970.04	29.97	-53.58	281.0236	5023.62	29.29
261	2017/09/02 03:20:25	281.8569	4969.11	29.97	-53.85	281.8569	5022.96	29.29
262	2017/09/02 04:10:25	282.6903	4968.97	29.97	-53.15	282.6903	5022.13	29.28
263	2017/09/02 05:00:25	283.5236	4968.18	29.97	-53.93	283.5236	5022.10	29.28
264	2017/09/02 05:50:25	284.3569	4967.79	29.97	-53.80	284.3569	5021.59	29.28
265	2017/09/02 06:40:25	285.1903	4967.26	29.97	-53.69	285.1903	5020.95	29.28
266	2017/09/02 07:30:25	286.0236	4967.52	29.97	-53.33	286.0236	5020.85	29.28
267	2017/09/02 08:20:25	286.8569	4966.99	29.97	-53.10	286.8569	5020.09	29.28
268	2017/09/02 09:10:25	287.6903	4965.79	29.97	-54.10	287.6903	5019.89	29.27
269	2017/09/02 10:00:25	288.5236	4965.26	29.97	-53.87	288.5236	5019.14	29.27
270	2017/09/02 10:50:25	289.3569	4965.13	29.97	-53.61	289.3569	5018.74	29.27

Print Filter: Approximately every 100 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Bottom	77495	2017/08/21 YYYY/MM/DD	09:29:00 HH:mm:ss	863.00 m
Top	77497	2017/08/21 YYYY/MM/DD	09:29:00 HH:mm:ss	862.99 m

Company Name Tundra Oil & Gas Partnership
Unique Well ID 100/09-28-010-29W1/0
Start Test Date 2017/08/24 YYYY/MM/DD
Final Test Date 2017/09/06 YYYY/MM/DD

Well Name Kola Unit #3 HZNTL 09-28-010-29(WPM)
Formation Bakken

	Bottom Date	Bottom Time	Bottom Pres.	Bottom Temp.	Diff. G1 - G2	Top Time	Top Pres.	Top Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C	kPa	h	kPa(a)	°C
271	2017/09/02 11:40:25	290.1903	4965.66	29.97	-52.68	290.1903	5018.34	29.27
272	2017/09/02 12:30:25	291.0236	4964.33	29.97	-53.62	291.0236	5017.94	29.27
273	2017/09/02 13:20:25	291.8569	4963.79	29.96	-53.43	291.8569	5017.22	29.26
274	2017/09/02 14:10:25	292.6903	4964.06	29.96	-53.07	292.6903	5017.13	29.27
275	2017/09/02 15:00:25	293.5236	4963.13	29.96	-53.50	293.5236	5016.63	29.26
276	2017/09/02 15:50:25	294.3569	4962.45	29.96	-53.70	294.3569	5016.15	29.26
277	2017/09/02 16:40:25	295.1903	4961.52	29.96	-54.14	295.1903	5015.66	29.27
278	2017/09/02 17:30:25	296.0236	4962.31	29.95	-53.00	296.0236	5015.31	29.26
279	2017/09/02 18:20:25	296.8569	4960.97	29.95	-54.05	296.8569	5015.02	29.26
280	2017/09/02 19:10:25	297.6903	4961.51	29.95	-53.11	297.6903	5014.62	29.26
281	2017/09/02 20:00:25	298.5236	4960.30	29.95	-53.88	298.5236	5014.18	29.26
282	2017/09/02 20:50:25	299.3569	4960.44	29.95	-53.26	299.3569	5013.70	29.26
283	2017/09/02 21:40:25	300.1903	4959.24	29.95	-53.95	300.1903	5013.19	29.26
284	2017/09/02 22:30:25	301.0236	4958.17	29.95	-54.62	301.0236	5012.80	29.25
285	2017/09/02 23:20:25	301.8569	4958.69	29.94	-53.68	301.8569	5012.37	29.25
286	2017/09/03 00:10:25	302.6903	4958.69	29.94	-53.26	302.6903	5011.96	29.25
287	2017/09/03 01:00:25	303.5236	4958.43	29.94	-52.65	303.5236	5011.07	29.25
288	2017/09/03 01:50:25	304.3569	4957.22	29.94	-53.90	304.3569	5011.12	29.25
289	2017/09/03 02:40:25	305.1903	4957.36	29.94	-53.58	305.1903	5010.94	29.25
290	2017/09/03 03:30:25	306.0236	4955.63	29.93	-54.57	306.0236	5010.20	29.25
291	2017/09/03 04:20:25	306.8569	4957.22	29.93	-53.13	306.8569	5010.34	29.25
292	2017/09/03 05:10:25	307.6903	4956.28	29.93	-53.30	307.6903	5009.58	29.24
293	2017/09/03 06:00:25	308.5236	4955.62	29.93	-53.61	308.5236	5009.24	29.24
294	2017/09/03 06:50:25	309.3569	4953.89	29.93	-54.91	309.3569	5008.80	29.24
295	2017/09/03 07:40:25	310.1903	4954.94	29.93	-53.11	310.1903	5008.06	29.24
296	2017/09/03 08:30:25	311.0236	4955.09	29.93	-53.11	311.0236	5008.20	29.24
297	2017/09/03 09:20:25	311.8569	4954.00	29.92	-53.55	311.8569	5007.55	29.24
298	2017/09/03 10:10:25	312.6903	4953.75	29.92	-53.57	312.6903	5007.31	29.24
299	2017/09/03 11:00:25	313.5236	4953.35	29.92	-53.47	313.5236	5006.82	29.24
300	2017/09/03 11:50:25	314.3569	4951.75	29.92	-54.60	314.3569	5006.35	29.24
301	2017/09/03 12:40:25	315.1903	4952.41	29.92	-53.46	315.1903	5005.87	29.23
302	2017/09/03 13:30:25	316.0236	4951.47	29.92	-54.33	316.0236	5005.80	29.23
303	2017/09/03 14:20:25	316.8569	4950.81	29.92	-54.64	316.8569	5005.46	29.23
304	2017/09/03 15:10:25	317.6903	4952.00	29.91	-53.29	317.6903	5005.29	29.23
305	2017/09/03 16:00:25	318.5236	4951.47	29.92	-53.40	318.5236	5004.87	29.22
306	2017/09/03 16:50:25	319.3569	4951.33	29.91	-53.20	319.3569	5004.52	29.22
307	2017/09/03 17:40:25	320.1903	4951.32	29.91	-53.01	320.1903	5004.34	29.23
308	2017/09/03 18:30:25	321.0236	4949.60	29.91	-54.43	321.0236	5004.03	29.23
309	2017/09/03 19:20:25	321.8569	4949.86	29.91	-53.49	321.8569	5003.35	29.23
310	2017/09/03 20:10:25	322.6903	4949.59	29.91	-53.58	322.6903	5003.17	29.22
311	2017/09/03 21:00:25	323.5236	4947.99	29.90	-54.44	323.5236	5002.44	29.22
312	2017/09/03 21:50:25	324.3569	4948.65	29.90	-53.97	324.3569	5002.62	29.22
313	2017/09/03 22:40:25	325.1903	4949.18	29.90	-52.65	325.1903	5001.83	29.22
314	2017/09/03 23:30:25	326.0236	4948.26	29.90	-53.61	326.0236	5001.87	29.22
315	2017/09/04 00:20:25	326.8569	4948.25	29.90	-53.13	326.8569	5001.37	29.22

Print Filter: Approximately every 100 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Bottom	77495	2017/08/21 YYYY/MM/DD	09:29:00 HH:mm:ss	863.00 m
Top	77497	2017/08/21 YYYY/MM/DD	09:29:00 HH:mm:ss	862.99 m

Company Name Tundra Oil & Gas Partnership
Unique Well ID 100/09-28-010-29W1/0
Start Test Date 2017/08/24 YYYY/MM/DD
Final Test Date 2017/09/06 YYYY/MM/DD

Well Name Kola Unit #3 HZNTL 09-28-010-29(WPM)
Formation Bakken

	Bottom Date	Bottom Time	Bottom Pres.	Bottom Temp.	Diff. G1 - G2	Top Time	Top Pres.	Top Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C	kPa	h	kPa(a)	°C
316	2017/09/04 01:10:25	327.6903	4948.38	29.90	-52.61	327.6903	5000.98	29.22
317	2017/09/04 02:00:25	328.5236	4946.51	29.89	-54.40	328.5236	5000.92	29.22
318	2017/09/04 02:50:25	329.3569	4947.45	29.90	-53.08	329.3569	5000.53	29.21
319	2017/09/04 03:40:25	330.1903	4947.83	29.89	-52.20	330.1903	5000.03	29.21
320	2017/09/04 04:30:25	331.0236	4947.30	29.89	-52.61	331.0236	4999.92	29.21
321	2017/09/04 05:20:25	331.8569	4946.36	29.89	-53.26	331.8569	4999.62	29.21
322	2017/09/04 06:10:25	332.6903	4945.84	29.89	-53.23	332.6903	4999.06	29.21
323	2017/09/04 07:00:25	333.5236	4945.30	29.89	-53.51	333.5236	4998.81	29.21
324	2017/09/04 07:50:25	334.3569	4944.50	29.88	-53.98	334.3569	4998.48	29.21
325	2017/09/04 08:40:25	335.1903	4943.84	29.89	-54.41	335.1903	4998.25	29.21
326	2017/09/04 09:30:25	336.0236	4944.24	29.89	-53.72	336.0236	4997.96	29.20
327	2017/09/04 10:20:25	336.8569	4944.37	29.89	-52.85	336.8569	4997.22	29.20
328	2017/09/04 11:10:25	337.6903	4944.23	29.88	-53.03	337.6903	4997.26	29.20
329	2017/09/04 12:00:25	338.5236	4943.04	29.88	-53.82	338.5236	4996.86	29.20
330	2017/09/04 12:50:25	339.3569	4942.37	29.88	-54.24	339.3569	4996.61	29.20
331	2017/09/04 13:40:25	340.1903	4942.90	29.88	-53.26	340.1903	4996.16	29.20
332	2017/09/04 14:30:25	341.0236	4942.24	29.88	-53.72	341.0236	4995.96	29.20
333	2017/09/04 15:20:25	341.8569	4942.23	29.88	-53.24	341.8569	4995.47	29.20
334	2017/09/04 16:10:25	342.6903	4941.83	29.88	-53.68	342.6903	4995.50	29.20
335	2017/09/04 17:00:25	343.5236	4941.29	29.88	-53.98	343.5236	4995.27	29.20
336	2017/09/04 17:50:25	344.3569	4941.02	29.87	-53.69	344.3569	4994.71	29.20
337	2017/09/04 18:40:25	345.1903	4941.15	29.87	-53.66	345.1903	4994.82	29.19
338	2017/09/04 19:30:25	346.0236	4940.89	29.87	-53.31	346.0236	4994.21	29.19
339	2017/09/04 20:20:25	346.8569	4940.36	29.87	-53.68	346.8569	4994.04	29.19
340	2017/09/04 21:10:25	347.6903	4940.35	29.87	-53.60	347.6903	4993.95	29.19
341	2017/09/04 22:00:25	348.5236	4939.55	29.87	-54.04	348.5236	4993.58	29.19
342	2017/09/04 22:50:25	349.3569	4939.55	29.87	-53.60	349.3569	4993.15	29.18
343	2017/09/04 23:40:25	350.1903	4939.29	29.87	-53.41	350.1903	4992.70	29.19
344	2017/09/05 00:30:25	351.0236	4939.02	29.87	-53.54	351.0236	4992.56	29.19
345	2017/09/05 01:20:25	351.8569	4939.02	29.87	-52.95	351.8569	4991.97	29.19
346	2017/09/05 02:10:25	352.6903	4939.81	29.86	-52.34	352.6903	4992.15	29.18
347	2017/09/05 03:00:25	353.5236	4938.75	29.87	-52.77	353.5236	4991.53	29.19
348	2017/09/05 03:50:25	354.3569	4937.69	29.86	-53.83	354.3569	4991.51	29.18
349	2017/09/05 04:40:25	355.1903	4937.55	29.86	-53.84	355.1903	4991.39	29.18
350	2017/09/05 05:30:25	356.0236	4938.08	29.86	-52.86	356.0236	4990.94	29.18
351	2017/09/05 06:20:25	356.8569	4938.09	29.87	-52.59	356.8569	4990.68	29.18
352	2017/09/05 07:10:25	357.6903	4935.56	29.86	-54.91	357.6903	4990.47	29.19
353	2017/09/05 08:00:25	358.5236	4935.96	29.86	-54.33	358.5236	4990.28	29.18
354	2017/09/05 08:50:25	359.3569	4937.02	29.86	-53.01	359.3569	4990.03	29.19
355	2017/09/05 09:40:25	360.1903	4937.15	29.86	-52.41	360.1903	4989.57	29.18
356	2017/09/05 10:30:25	361.0236	4935.69	29.86	-53.76	361.0236	4989.45	29.18
357	2017/09/05 11:20:25	361.8569	4935.56	29.86	-53.30	361.8569	4988.86	29.18
358	2017/09/05 12:10:25	362.6903	4935.03	29.86	-53.49	362.6903	4988.52	29.18
359	2017/09/05 13:00:25	363.5236	4934.09	29.86	-54.37	363.5236	4988.46	29.18
360	2017/09/05 13:50:25	364.3569	4934.75	29.86	-53.22	364.3569	4987.98	29.18

Print Filter: Approximately every 100 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Bottom	77495	2017/08/21 YYYY/MM/DD	09:29:00 HH:mm:ss	863.00 m
Top	77497	2017/08/21 YYYY/MM/DD	09:29:00 HH:mm:ss	862.99 m

Company Name Tundra Oil & Gas Partnership
Unique Well ID 100/09-28-010-29W1/0
Start Test Date 2017/08/24 YYYY/MM/DD
Final Test Date 2017/09/06 YYYY/MM/DD

Well Name Kola Unit #3 HZNTL 09-28-010-29(WPM)
Formation Bakken

	Bottom Date	Bottom Time	Bottom Pres.	Bottom Temp.	Diff. G1 - G2	Top Time	Top Pres.	Top Temp.
	YYYY/MM/DD HH:mm:ss	h	kPa(a)	°C	kPa	h	kPa(a)	°C
361	2017/09/05 14:40:25	365.1903	4934.08	29.86	-53.78	365.1903	4987.86	29.17
362	2017/09/05 15:30:25	366.0236	4933.96	29.86	-53.32	366.0236	4987.28	29.18
363	2017/09/05 16:20:25	366.8569	4934.35	29.86	-52.94	366.8569	4987.30	29.17
364	2017/09/05 17:10:25	367.6903	4933.16	29.86	-53.89	367.6903	4987.05	29.17
365	2017/09/05 18:00:25	368.5236	4933.43	29.86	-53.52	368.5236	4986.94	29.17
366	2017/09/05 18:50:25	369.3569	4933.03	29.86	-53.43	369.3569	4986.46	29.17
367	2017/09/05 19:40:25	370.1903	4933.56	29.86	-53.06	370.1903	4986.62	29.17
368	2017/09/05 20:30:25	371.0236	4932.49	29.85	-53.54	371.0236	4986.03	29.17
369	2017/09/05 21:20:25	371.8569	4932.09	29.85	-53.81	371.8569	4985.90	29.17
370	2017/09/05 22:10:25	372.6903	4932.09	29.85	-53.41	372.6903	4985.50	29.17
371	2017/09/05 23:00:25	373.5236	4931.69	29.85	-53.75	373.5236	4985.44	29.16
372	2017/09/05 23:50:25	374.3569	4933.01	29.85	-51.74	374.3569	4984.75	29.17
373	2017/09/06 00:40:25	375.1903	4931.81	29.85	-53.13	375.1903	4984.94	29.16
374	2017/09/06 01:30:25	376.0236	4930.89	29.85	-53.90	376.0236	4984.79	29.16
375	2017/09/06 02:20:25	376.8569	4930.75	29.85	-53.47	376.8569	4984.22	29.16
376	2017/09/06 03:10:25	377.6903	4930.62	29.85	-53.34	377.6903	4983.96	29.16
377	2017/09/06 04:00:25	378.5236	4931.69	29.85	-52.19	378.5236	4983.88	29.16
378	2017/09/06 04:50:25	379.3569	4930.62	29.85	-53.17	379.3569	4983.78	29.16
379	2017/09/06 05:40:25	380.1903	4930.48	29.85	-52.83	380.1903	4983.32	29.16
380	2017/09/06 06:30:25	381.0236	4930.07	29.84	-52.96	381.0236	4983.03	29.16
381	2017/09/06 07:20:25	381.8569	4929.82	29.85	-53.05	381.8569	4982.87	29.16
382	2017/09/06 08:10:25	382.6903	4928.62	29.85	-54.06	382.6903	4982.69	29.15
383	2017/09/06 09:00:25	383.5236	4928.89	29.85	-53.37	383.5236	4982.27	29.16
384	2017/09/06 09:50:25	384.3569	4928.61	29.84	-53.49	384.3569	4982.10	29.15
385	2017/09/06 10:40:25	385.1903	4929.14	29.84	-52.84	385.1903	4981.99	29.16
386	2017/09/06 11:00:55	385.5319	4929.68	29.84	-52.51	385.5319	4982.19	29.15
387	2017/09/06 11:01:25	385.5403	4929.67	29.84	-52.36	385.5403	4982.04	29.15
388	Final Pressure - Release the WRP/Recorders and pull to surface							
389	2017/09/06 11:01:55	385.5486	8872.65	29.87	-22.16	385.5486	8894.81	29.03
390	2017/09/06 11:30:25	386.0236	5723.48	24.25	107.04	386.0236	5616.44	23.62
391	2017/09/06 12:20:25	386.8569	112.44	16.06	-6.92	386.8569	119.36	14.86
392	2017/09/06 13:10:25	387.6903	97.57	21.79	-20.04	387.6903	117.61	21.12
393	2017/09/06 14:00:25	388.5236	88.53	23.85	-28.90	388.5236	117.43	23.36
394	2017/09/06 14:50:25	389.3569	68.21	28.84	-48.51	389.3569	116.72	24.75
395	2017/09/06 15:00:25	389.5236	58.36	31.01	-58.44	389.5236	116.80	25.19

Print Filter: Approximately every 100 lines

Gauge Name	Serial Number	Start Date	Start Time	Run Depth (TVD)
Bottom	77495	2017/08/21 YYYY/MM/DD	09:29:00 HH:mm:ss	863.00 m
Top	77497	2017/08/21 YYYY/MM/DD	09:29:00 HH:mm:ss	862.99 m