

SINCLAIR UNIT NO. 11
WATERFLOOD EOR PROJECT
ANNUAL REPORT FOR 2017

June 1, 2018

Tundra Oil and Gas

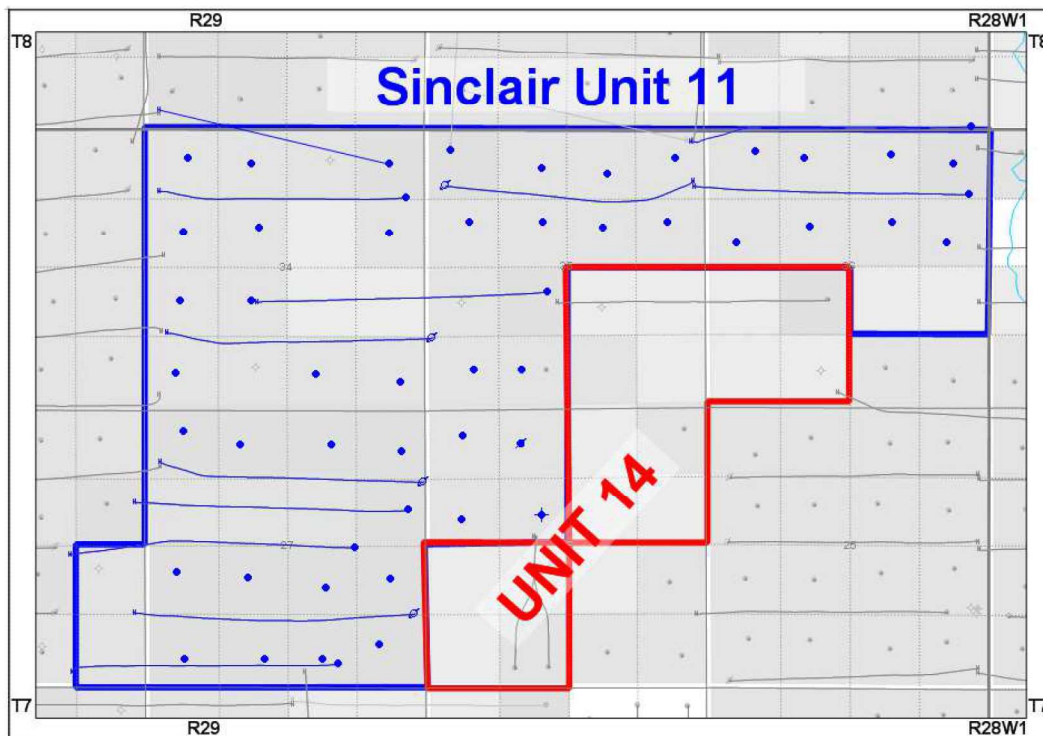
Table of Contents

Introduction	3.
Discussion	3.
Production History	3.
Waterflood Development Plan	5.
Waterflood EOR Operating Strategy and Performance	6.
Water Source and Quality	6.
Injection Wellhead Pressures	6.
Reservoir Pressure	6.
Well Servicing	6.
Waterflood Performance Discussion	7.
List of Appendices	8.
Appendix A: Injection Pattern Summary	
Appendix B: Reservoir Pressure Summary	
Appendix C: Average Monthly Injection Pressure Summary	
Appendix D: Injector Pattern Production/Injection Rates, Cumulative and VRR Plots	

INTRODUCTION

Sinclair Unit No. 11 Enhanced Oil Recovery (EOR) Waterflood Project was approved under Waterflood Order No. 47, effective August 1, 2015 with Tundra Oil and Gas (Tundra) as Operator. The Unit area contains 50 producing wells, 2 abandoned/suspended wells and 4 injection wells in 60 LSDs in Township 7 Range 29 W1 as shown in the figure below.

Figure 1: Sinclair Unit No. 11 Area Outline



In accordance with Section 73 of the Manitoba Drilling and Production Regulation, Tundra hereby submits the following 2017 Annual Progress Report for Sinclair Unit No. 11.

DISCUSSION

Production History

For the wells included in Sinclair Unit No. 11, production started in March 2005 with the 00/09-36-007-29W1 well. Average oil production peaked at 2.39 m³/d per well in February 2008. This production was coming from 38 wells and totaled 90.65 m³/d for the Unit. In December 2017, the Unit was producing 25.76 m³/d of oil and 40.91 m³/d of water and had an average WOR of 1.66 m³/m³. Water injection commenced in Sinclair

Unit No. 11 in September 2015. The oil production rate, injection rate, and WOR for each injection pattern is presented in Appendix D. The rates and WOR are presented in Figure 2.

Figure 2: Sinclair Unit No. 11 Production/Injection Rates and WOR vs Time

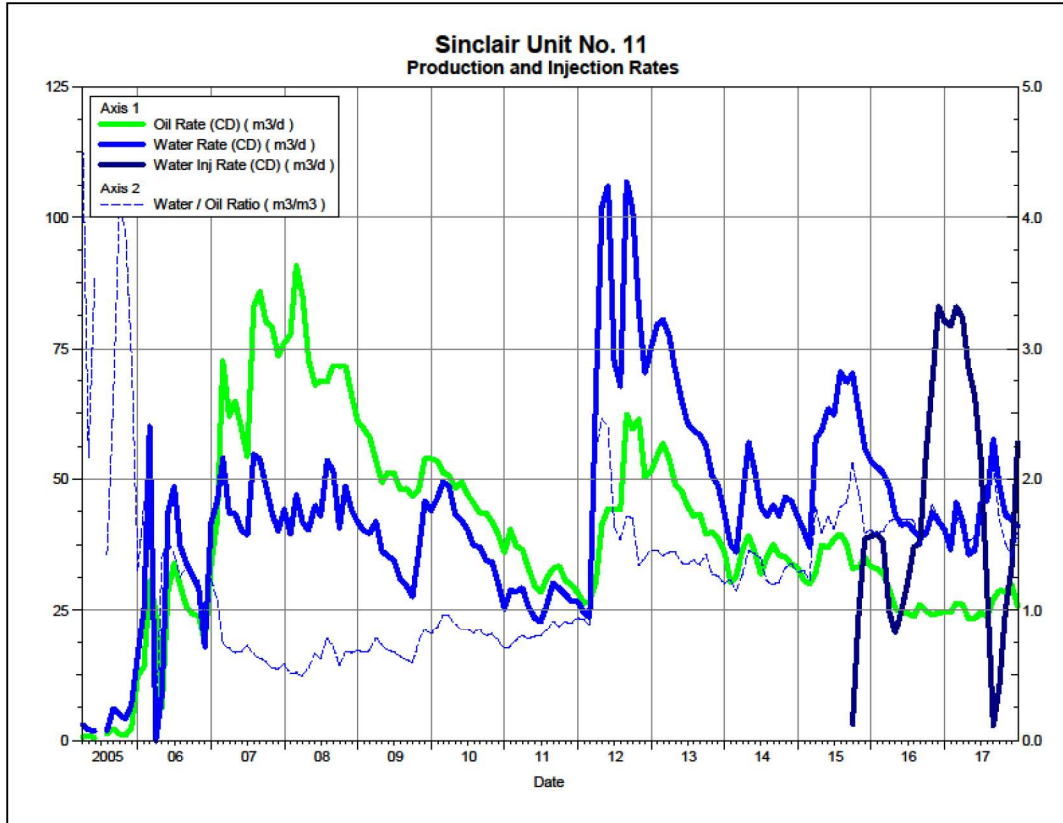
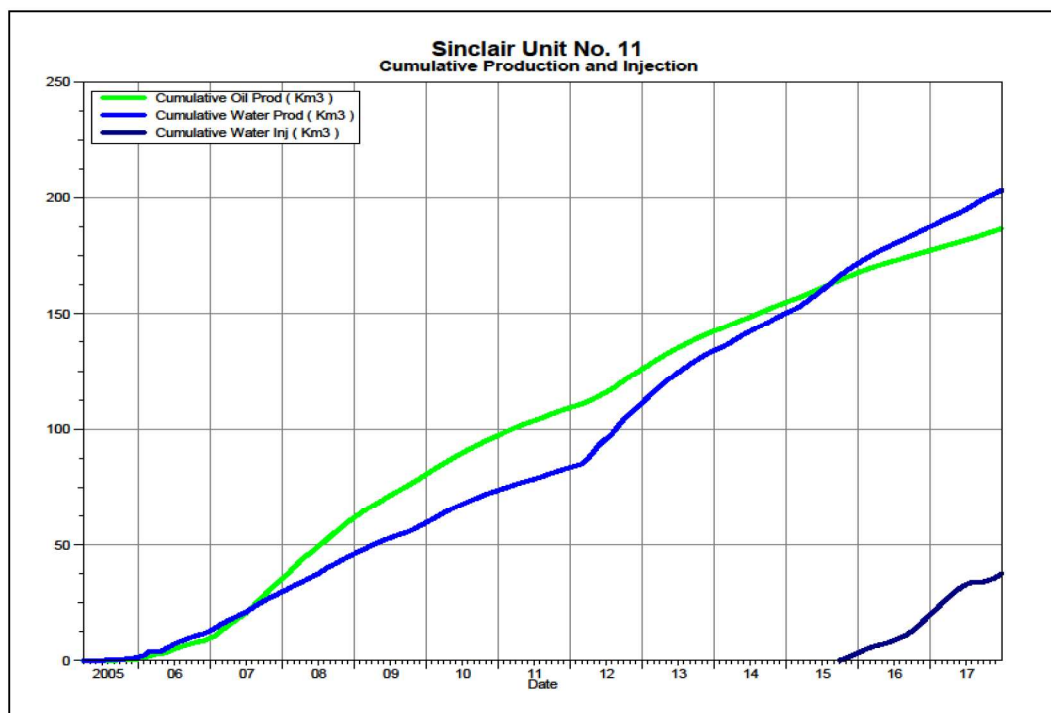


Figure 3 shows the cumulative production for Sinclair Unit No. 11 to the end of December 2017 as 186.8 e³m³ of oil, and 203.3 e³m³ of water, representing a 5.7% recovery factor of the OOIP (3,287 e³m³). The cumulative water injected is 37.6 e³m³. The cumulative volume of oil, and water produced and fluid injected for each injection pattern is presented in Appendix D.

Figure 3: Sinclair Unit No. 11 Cumulative Oil, Water and Water Injected vs Time



Waterflood Development Plan

Sinclair Unit No. 11 Waterflood (WF) Development Plan

Sinclair Unit No. 11 is still in the development phase at the end of 2017. Water injection commenced in Sinclair Unit No. 11 with the conversion of 02/01-27-007-29W1 to an injector in September 2015. In June 2017, an inter-unit horizontal well was drilled at 03/16-36-007-29W1/0. In September 2017, the 02/13-35-007-29W1 well was converted to water injection. As of Dec 2017, 7 of the proposed 11 future injectors have been drilled. In 2018, Tundra anticipates converting the 02/07-27, 02/16-34 and 02/16-36-007-29W1 existing horizontal producers to injectors.

Production performance by injector pattern is summarized in Appendix A.

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

The injection water for Sinclair Unit No. 11 will be sourced from the 16-32-007-29W1 well (Lodgepole formation). The water is treated at the 03-04-007-29W1 battery where it is filtered to 0.5 microns and has scale inhibitor added. The injection water is then distributed to the injectors through the dedicated infrastructure system.

Injection Wellhead Pressures

Injection started in this Unit in September 2015. The average monthly wellhead injection pressure for each injection well is summarized in Appendix C. Since injection in this Unit is still in the early stages, the injector(s) are still building up to a target injection pressure of 6300 kPaa.

Reservoir Pressure

Where practical, Tundra is committed to collecting pressure data from newly drilled injection wells. For Sinclair Unit No. 11, pressure data taken in 2015 and 2017 from 4 locations is available. A summary table is presented in Appendix B. Pressures are corrected to a common datum of -450 m SS for comparison with other units in the area.

Well Servicing

The following table summarizes the well servicing performed within Sinclair Unit No. 11 during 2017:

Table 1: Service and Maintenance in Sinclair Unit No. 11

100.05-27-007-29W1.00	Pump Change	12/13/2017
100.09-27-007-29W1.00	Pump Change	1/25/2017
100.09-27-007-29W1.00	Tubing Repair	5/30/2017
100.09-27-007-29W1.00	Broken Pull Rod	11/21/2017
102.01-27-007-29W1.00	WIW Cemented Liner Cleanout	11/22/2017
100.05-34-007-29W1.00	Proactive Pump Change/Acid Job	10/17/2017
102.16-34-007-29W1.00	Polish Rod Repair	10/19/2017
102.16-34-007-29W1.00	Cemented Liner Clean Out	7/22/2017
100.04-35-007-29W1.00	Proactive Pump Change/Acid Job	11/30/2017
100.14-35-007-29W1.00	Pump Change & Acid Job	10/23/2017
100.10-36-007-29W1.00	Polish Rod Repair	7/4/2017

Waterflood Performance Discussion

At the end of 2017, Sinclair Unit No. 11 waterflood area had 4 injection patterns in place. Water injection began in September 2015, after the conversion of 02/01-27-007-29W1 to an injector. The waterflood area had 7 of the proposed 11 horizontal injection wells drilled (3 producing, 4 injectors) at the end of 2017. Tundra is planning to convert 3 locations to injection in 2018.

Plots of the production and injection data along with the VRR information is presented in Appendix D for each of the injection patterns.

List of Appendices

Appendix A: Injection Pattern Summary

Appendix B: Reservoir Pressure Summary

Appendix C: Average Monthly Injection Pressure Summary

Appendix D: Injector Pattern Production/Injection Rates, Cumulative and VRR Plots
for the following injectors:

102/01-27-007-29W1/0

102/07-27-007-29W1/0

102/09-27-007-29W1/0

102/16-34-007-29W1/0

102/04-35-007-29W1/0

102/13-35-007-29W1/0

102/16-36-007-29W1/0

103/16-36-007-29W1/0 (Inter-Unit)

Appendix A

Sinclair Unit No. 11 Injection Pattern Summary as of December 2017

Pattern Name	Injector BH Location (007-29W1)	Injector Surf. Location (007-29W1)	Status	No. of Supported Wells	Supported Wells (007-29W1)	Allocation Factor	Pattern Prod Start Month	Ini Start Month	Oil Rate (m³/d)	Water Rate (m³/d)	WOR (m³/m³)	Water Injection (m³/d)	Cum Oil (E³m³)	Cum Water (E³m³)	Cum Inj Water (E³m³)	Monthly VRR	Cum VRR
02/01-27-007-29W1/0	02/01-27	02/08-28	WTR Injection	9	01-27, 02-27, 02/02-27, 03-27, 04-27, 05-27, 06-27, 07-27, 08-27	0.5	Nov 2005	Sep 2015	0.86	2.46	2.86	6.9	10.4	29.4	13.4	2.034	0.331
02/07-27-007-29W1/0	02/07-27	02/07-28	Capable of OIL Prod	5	05-27, 06-27, 07-27, 08-27, 09-27	0.5	Nov 2005	-	1.22	7.68	6.28	-	9.5	23.2	0.0	0.000	0.000
02/09-27-007-29W1/0	02/09-27	02/13-27	WTR Injection	6	12-26, 09-27, 13-27, 14-27, 15-27, 16-27	0.5	Jan 2006	Sep 2016	0.80	2.89	3.62	17.9	15.5	18.1	11.6	4.797	0.334
02/16-34-007-29W1/0	02/16-34	02/13-34	Capable of OIL Prod	6	09-34, 11-34, 12-34, 13-34, 14-34, 16-34	0.5	Jul 2005	-	2.91	4.39	1.51	-	17.9	19.5	0.0	0.000	0.000
02/04-35-007-29W1/0	02/04-35	02/05-34	WTR Injection	7	01-34, 02-34, 04-34, 05-34, 06-34, 04-35, 06-35	0.5	Jan 2007	Aug 2016	1.60	4.61	2.89	7.5	15.2	23.5	10.7	1.179	0.270
02/13-35-007-29W1/0	02/13-35	02/16-35	WTR Injection	8	09-35, 10-35, 11-35, 12-35, 13-35, 14-35, 15-35, 16-35	0.5	Jan 2007	Sep 2017	2.03	3.18	1.57	24.7	17.5	11.1	1.9	4.618	0.065
02/16-36-007-29W1/0	02/16-36	02/16-35	Capable of OIL Prod	8	09-36, 10-36, 11-36, 12-36, 13-36, 14-36, 15-36, 16-36	0.5	Mar 2005	-	4.06	1.82	0.45	-	20.8	13.3	0.0	0.000	0.000
03/16-36-007-29W1/0 (Inter-Unit)	03/16-36	03/16-35	Capable of OIL Prod	8	13-36, 14-36, 15-36, 16-36 01-01, 02-01, 03-01, 04-01-008-29W1	0.5	Nov 2005	-	6.81	3.00	0.44	-	28.4	7.5	0.0	0.000	0.000

APPENDIX B

Sinclair Unit No. 11 - Pressure Summary

Location	Test Date	Final Pressure (kPaa)	MPP (mTVD)	KB	Datum Depth	Gradient	Pressure @ -450 masl
02/07-27-007-29W1/0	Mar 12, 2014 - Feb 5, 2015	4950.4	1002.25	526.4	-450	8.25	4737
02/09-27-007-29W1/0	Jan 29 - Feb 12, 2015	2965.1	1004.83	525.8	-450	8.25	2726
02/04-35-007-29W1/0	Feb 1 - 20, 2015	6958.0	992.74	524.3	-450	8.25	6806
03/16-36-007-29W1/0	Jun 6 - July 12, 2017	1728.7	962.58	512.1	-450	8.25	1725



Company Name	TUNDRA OIL & GAS PARTNERSHIP
Well Name	TUNDRA SUNCLAIR UNIT 11 HZNTL A16-36-7-29
Unique Well ID	103/16-36-007-29W1/00
Well License Number	10488
Formation	BAKKEN
Test Type	RESERVOIR PRESSURE SURVEY
Start Test Date	2017/06/06
Final Test Date	2017/07/12

Prepared By DOLLCO Well Data Services

Pressure Survey Report

Company Information

Company Name
Contact
e-mail
Phone
Site Contact
Site Phone

TUNDRA OIL & GAS PARTNERSHIP
CHRIS [REDACTED]
chris.perkins@tundraoilandgas.com
(204) 851-2146
SCOTT [REDACTED]
(306) 482-7216

Well Information

Well Name	TUNDRA SUNCLAIR UNIT 11 HZNTL A16-36-7-29
Unique Well ID	103/16-36-007-29W1/00
Surface Location	16-35 / A16-36-7-29W1
Well License Number	10488
Well Type	Horizontal
Well Fluid Type	01 Oil
Field	SINCLAIR
KB Elevation (SL)	512.14 m
CF Elevation (SL)	508.24 m
GL Elevation (SL)	508.04 m
Distance from KB to CF (Log)	3.90 m
KB-GL Offset	4.10 m
Tubing ID	mm
Tubing OD	mm
Tubing Depth(Log KB)	m
Tubing Depth(TVD KB)	m
Casing ID	159.0 mm
Casing OD	177.8 mm
Casing Depth(Log KB)	1087.00000 m
Casing Depth(TVD KB)	964.41000 m
PBTD(Log KB)	m
PBTD(TVD KB)	m

Pressure Survey Report

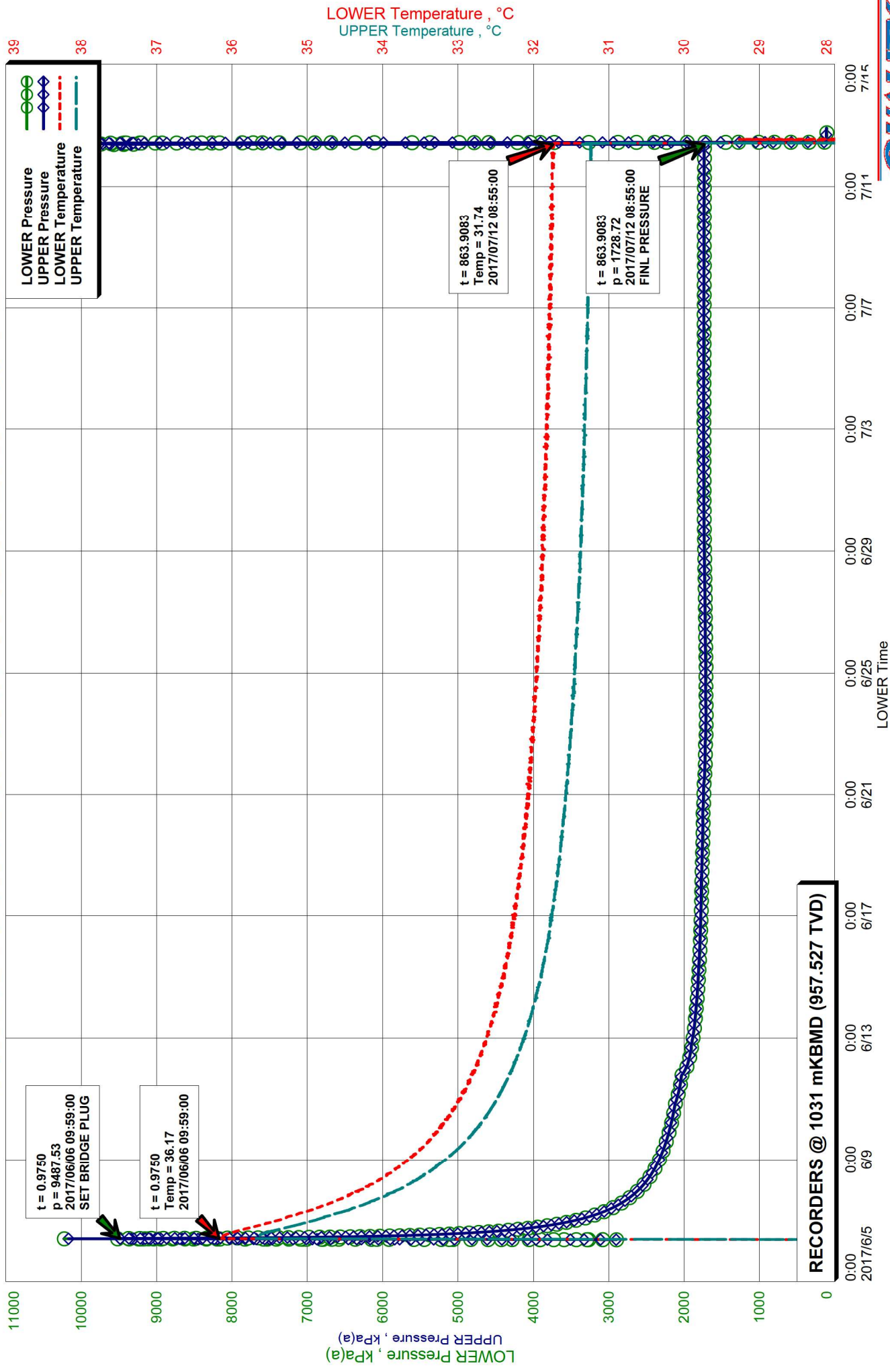
Test Information

Well Name	TUNDRA SUNCLAIR UNIT 11 HZNTL A16-36-7-29
Unique Well ID	103/16-36-007-29W1/00
Surface Location	16-35 / A16-36-7-29W1
Well License	10488
Well Fluid Type	01 Oil
Test Purpose	Other
Test Type	RESERVOIR PRESSURE SURVEY
Formation	BAKKEN
Well Type Indicator	Horizontal
Test/Prod. Interval Top KB (Log)	1087.00 m
Test/Prod. Interval Base KB (Log)	2507.00 m
MPP(Log KB)	1797.00 m
Test/Prod. Interval Top m KB (TVD)	964.41 m
Test/Prod. Interval Base m KB (TVD)	960.74 m
MPP(TVD KB)	962.58 m
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)
Final Test Date/Time	2017/07/12 08:55:00
Time/Date Well Shut-In	2017/06/06 09:59:00
Gauge Serial Number	V7U
Run Depth (TVD KB)	957.527 m
Last Measured Pressure at Run Depth	1728.72 kPa(a)
Reservoir Temperature	31.74 °C
Service Company	Quality Wireline Services Ltd.
Representative	BART [REDACTED]
Prepared By	DOLLCO Well Data Services
Qualified By	RICK [REDACTED]
Report Date	2017/07/21

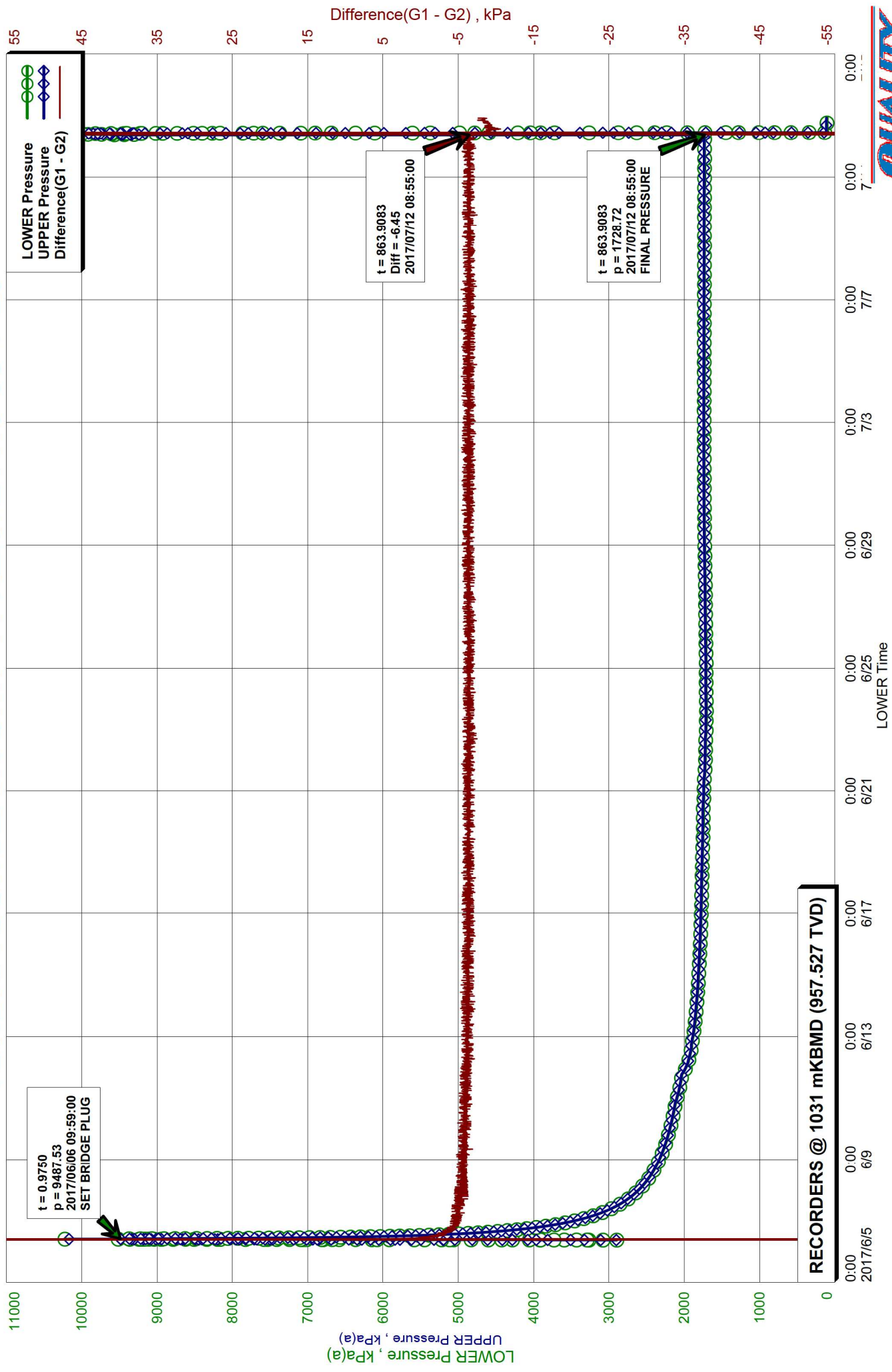
OPEN HOLE: 1087 - 2507 mKBMD (964.41 - 960.74 TVD)



TUNDRA SUNCLAIR UNIT 11 HZNTL A16-36-7-29



TUNDRA SUNCLAIR UNIT 11 HZNTL A16-36-7-29



Recorder Information

Company Name	TUNDRA OIL & GAS PARTNERSHIP
Unique Well ID	103/16-36-007-29W1/00
Well Name	TUNDRA SUNCLAIR UNIT 11 HZNTL A16-36-7-29
Formation	BAKKEN
Start Test Date	2017/06/06
Final Test Date	2017/07/12

Gauge 1

Gauge Name	LOWER	Gauge Type	ELECTRONIC
Gauge Serial Number	V7U	Gauge Manufacturer	REAL TIME MEASUREMENTS
Run Depth (Log KB)	1031.00 m	Gauge Model	KC3 STRAIN
Date of Last Calibration	2015/12/30	Maximum Recorder Range	20680.00 kPa
Gauge Start Date	2017/06/06	Gauge Start Time	09:00:30
Gauge Stop Date	2017/07/12	Gauge Stop Time	22:00:00
Date Gauge On Bottom	2017/06/06	Time Gauge On Bottom	09:47:00
Date Gauge Off Bottom	2017/07/12	Time Gauge Off Bottom	08:55:00

Gauge 2

Gauge Name	UPPER	Gauge Type	ELECTRONIC
Gauge Serial Number	V7V	Gauge Manufacturer	REAL TIME MEASUREMENTS
Run Depth (Log KB)	1031.00 m	Gauge Model	KC3 STRAIN
Date of Last Calibration	2015/12/30	Maximum Recorder Range	20680.00 kPa
Gauge Start Date	2017/06/06	Gauge Start Time	09:00:30
Gauge Stop Date	2017/07/12	Gauge Stop Time	22:00:00
Date Gauge On Bottom	2017/06/06	Time Gauge On Bottom	09:47:00
Date Gauge Off Bottom	2017/07/12	Time Gauge Off Bottom	08:55:00

TUNDRA OIL & GAS PARTNERSHIP
103/16-36-007-29W1/00
Start Test Date: 2017/06/06
Final Test Date: 2017/07/12

RESERVOIR PRESSURE SURVEY
RECORDERS @ 1031 mKBMD (957.527 TVD)

TUNDRA SUNCLAIR UNIT 11 HZNTL A16-36-7-29
Formation: BAKKEN

	LOWER Date yyyy/mm/dd	LOWER Clk Time hh:mm:ss	LOWER Time hr	LOWER Pres. kPa(a)	LOWER Temp. °C	UPPER Time hr	UPPER Pres. kPa(a)	UPPER Temp. °C	Diff. G1 - G2 kPa
1	2017/06/06	09:00:30	0.0000	2894.90	27.91	0.0000	2901.40	26.82	-6.50
2	2017/06/06	09:00:30	0.0000	RIH, ACTIVATE RECORDERS S/N: V7U(L) & V7V(U)					
3	2017/06/06	09:01:00	0.0083	3264.31	27.93	0.0083	3109.57	26.85	154.74
4	2017/06/06	09:47:00	0.7750	9528.57	36.11	0.7750	9545.96	35.58	-17.39
5	2017/06/06	09:47:00	0.7750	RECORDERS ON DEPTH @ 1031 mKBMD (957.527 TVD)					
6	2017/06/06	09:47:30	0.7833	9495.18	36.10	0.7833	9501.58	35.59	-6.40
7	2017/06/06	09:59:00	0.9750	9487.53	36.17	0.9750	9479.75	35.70	7.78
8	2017/06/06	09:59:00	0.9750	SET BRIDGE PLUG, WELL SHUT IN					
9	2017/06/06	09:59:30	0.9833	9426.85	36.18	0.9833	9422.13	35.70	4.72
10	2017/06/06	11:00:30	2.0000	6802.23	36.13	2.0000	6803.17	35.67	-0.94
11	2017/06/06	13:00:30	4.0000	5313.16	36.08	4.0000	5315.70	35.62	-2.54
12	2017/06/06	15:00:30	6.0000	4643.86	35.98	6.0000	4647.52	35.51	-3.66
13	2017/06/06	17:00:30	8.0000	4229.28	35.85	8.0000	4233.21	35.38	-3.93
14	2017/06/06	19:00:30	10.0000	3933.24	35.72	10.0000	3937.60	35.24	-4.36
15	2017/06/06	21:00:30	12.0000	3707.17	35.59	12.0000	3711.65	35.10	-4.48
16	2017/06/06	23:00:30	14.0000	3527.30	35.46	14.0000	3531.83	34.98	-4.53
17	2017/06/07	01:00:30	16.0000	3380.14	35.35	16.0000	3384.84	34.86	-4.70
18	2017/06/07	03:00:30	18.0000	3256.81	35.26	18.0000	3261.72	34.77	-4.91
19	2017/06/07	05:00:30	20.0000	3151.85	35.13	20.0000	3156.75	34.64	-4.90
20	2017/06/07	07:00:30	22.0000	3060.94	35.02	22.0000	3065.87	34.52	-4.93
21	2017/06/07	09:00:30	24.0000	2981.58	34.92	24.0000	2986.55	34.42	-4.97
22	2017/06/07	11:00:30	26.0000	2911.44	34.82	26.0000	2916.57	34.32	-5.13
23	2017/06/07	13:00:30	28.0000	2849.31	34.72	28.0000	2854.47	34.23	-5.16
24	2017/06/07	15:00:30	30.0000	2793.73	34.66	30.0000	2798.32	34.16	-4.59
25	2017/06/07	17:00:30	32.0000	2743.67	34.55	32.0000	2748.96	34.06	-5.29
26	2017/06/07	19:00:30	34.0000	2698.28	34.48	34.0000	2704.59	33.98	-6.31
27	2017/06/07	21:00:30	36.0000	2657.04	34.42	36.0000	2662.35	33.92	-5.31
28	2017/06/07	23:00:30	38.0000	2619.23	34.34	38.0000	2624.67	33.84	-5.44
29	2017/06/08	01:00:30	40.0000	2584.71	34.26	40.0000	2590.10	33.76	-5.39
30	2017/06/08	03:00:30	42.0000	2552.99	34.20	42.0000	2558.35	33.70	-5.36
31	2017/06/08	05:00:30	44.0000	2523.75	34.13	44.0000	2529.15	33.64	-5.40
32	2017/06/08	07:00:30	46.0000	2496.50	34.08	46.0000	2501.96	33.58	-5.46
33	2017/06/08	09:00:30	48.0000	2471.10	34.01	48.0000	2476.54	33.52	-5.44
34	2017/06/08	11:00:30	50.0000	2447.33	33.96	50.0000	2452.82	33.47	-5.49
35	2017/06/08	13:00:30	52.0000	2425.32	33.92	52.0000	2430.89	33.42	-5.57
36	2017/06/08	15:00:30	54.0000	2404.90	33.87	54.0000	2410.46	33.37	-5.56
37	2017/06/08	17:00:30	56.0000	2385.73	33.82	56.0000	2391.36	33.33	-5.63
38	2017/06/08	19:00:30	58.0000	2367.97	33.78	58.0000	2373.61	33.28	-5.64
39	2017/06/08	21:00:30	60.0000	2351.35	33.73	60.0000	2357.04	33.24	-5.69
40	2017/06/08	23:00:30	62.0000	2335.29	33.69	62.0000	2341.03	33.19	-5.74

LOWER Serial Number: V7U Start Date: 2017/06/06 09:00:30 Run Depth: 1031.00
UPPER Serial Number: V7V Start Date: 2017/06/06 09:00:30 Run Depth: 1031.00
Print Filter: Print every 2 hour

TUNDRA OIL & GAS PARTNERSHIP
103/16-36-007-29W1/00
Start Test Date: 2017/06/06
Final Test Date: 2017/07/12

RESERVOIR PRESSURE SURVEY
RECORDERS @ 1031 mKBMD (957.527 TVD)

TUNDRA SUNCLAIR UNIT 11 HZNTL A16-36-7-29
Formation: BAKKEN

	LOWER Date yyyy/mm/dd	LOWER Clk Time hh:mm:ss	LOWER Time hr	LOWER Pres. kPa(a)	LOWER Temp. °C	UPPER Time hr	UPPER Pres. kPa(a)	UPPER Temp. °C	Diff. G1 - G2 kPa
41	2017/06/09	01:00:30	64.0000	2320.19	33.64	64.0000	2325.87	33.15	-5.68
42	2017/06/09	03:00:30	66.0000	2305.95	33.61	66.0000	2311.61	33.11	-5.66
43	2017/06/09	05:00:30	68.0000	2292.50	33.57	68.0000	2298.22	33.07	-5.72
44	2017/06/09	07:00:30	70.0000	2279.09	33.53	70.0000	2284.82	33.03	-5.73
45	2017/06/09	09:00:30	72.0000	2266.29	33.48	72.0000	2272.18	33.00	-5.89
46	2017/06/09	11:00:30	74.0000	2254.31	33.46	74.0000	2260.11	32.96	-5.80
47	2017/06/09	13:00:30	76.0000	2242.69	33.42	76.0000	2248.41	32.93	-5.72
48	2017/06/09	15:00:30	78.0000	2231.70	33.39	78.0000	2237.46	32.90	-5.76
49	2017/06/09	17:00:30	80.0000	2221.24	33.36	80.0000	2226.99	32.87	-5.75
50	2017/06/09	19:00:30	82.0000	2211.17	33.32	82.0000	2217.08	32.84	-5.91
51	2017/06/09	21:00:30	84.0000	2201.48	33.30	84.0000	2207.40	32.81	-5.92
52	2017/06/09	23:00:30	86.0000	2192.29	33.27	86.0000	2198.05	32.78	-5.76
53	2017/06/10	01:00:30	88.0000	2183.36	33.24	88.0000	2189.24	32.75	-5.88
54	2017/06/10	03:00:30	90.0000	2174.88	33.22	90.0000	2180.76	32.72	-5.88
55	2017/06/10	05:00:30	92.0000	2166.72	33.19	92.0000	2172.66	32.69	-5.94
56	2017/06/10	07:00:30	94.0000	2158.83	33.16	94.0000	2164.74	32.67	-5.91
57	2017/06/10	09:00:30	96.0000	2151.37	33.14	96.0000	2157.18	32.64	-5.81
58	2017/06/10	11:00:30	98.0000	2143.98	33.12	98.0000	2149.85	32.62	-5.87
59	2017/06/10	13:00:30	100.0000	2136.93	33.09	100.0000	2142.92	32.60	-5.99
60	2017/06/10	15:00:30	102.0000	2130.34	33.07	102.0000	2136.28	32.58	-5.94
61	2017/06/10	17:00:30	104.0000	2123.94	33.05	104.0000	2129.91	32.56	-5.97
62	2017/06/10	19:00:30	106.0000	2117.87	33.02	106.0000	2123.79	32.53	-5.92
63	2017/06/10	21:00:30	108.0000	2111.05	33.01	108.0000	2116.95	32.51	-5.90
64	2017/06/10	23:00:30	110.0000	2097.63	32.98	110.0000	2103.59	32.49	-5.96
65	2017/06/11	01:00:30	112.0000	2089.63	32.96	112.0000	2095.67	32.47	-6.04
66	2017/06/11	03:00:30	114.0000	2080.44	32.95	114.0000	2086.42	32.45	-5.98
67	2017/06/11	05:00:30	116.0000	2069.59	32.93	116.0000	2075.66	32.44	-6.07
68	2017/06/11	07:00:30	118.0000	2062.57	32.90	118.0000	2068.60	32.42	-6.03
69	2017/06/11	09:00:30	120.0000	2053.71	32.90	120.0000	2059.61	32.40	-5.90
70	2017/06/11	11:00:30	122.0000	2048.44	32.87	122.0000	2054.37	32.38	-5.93
71	2017/06/11	13:00:30	124.0000	2042.09	32.86	124.0000	2048.30	32.37	-6.21
72	2017/06/11	15:00:30	126.0000	2038.17	32.84	126.0000	2044.23	32.35	-6.06
73	2017/06/11	17:00:30	128.0000	2033.56	32.82	128.0000	2039.63	32.33	-6.07
74	2017/06/11	19:00:30	130.0000	2026.17	32.82	130.0000	2032.12	32.32	-5.95
75	2017/06/11	21:00:30	132.0000	2000.73	32.80	132.0000	2006.81	32.30	-6.08
76	2017/06/11	23:00:30	134.0000	1982.28	32.78	134.0000	1988.37	32.29	-6.09
77	2017/06/12	01:00:30	136.0000	1967.41	32.76	136.0000	1973.50	32.27	-6.09
78	2017/06/12	03:00:30	138.0000	1950.74	32.76	138.0000	1956.98	32.26	-6.24
79	2017/06/12	05:00:30	140.0000	1941.62	32.73	140.0000	1947.67	32.24	-6.05
80	2017/06/12	07:00:30	142.0000	1933.17	32.73	142.0000	1939.46	32.23	-6.29

LOWER Serial Number: V7U Start Date: 2017/06/06 09:00:30 Run Depth: 1031.00
UPPER Serial Number: V7V Start Date: 2017/06/06 09:00:30 Run Depth: 1031.00
Print Filter: Print every 2 hour

TUNDRA OIL & GAS PARTNERSHIP
103/16-36-007-29W1/00
Start Test Date: 2017/06/06
Final Test Date: 2017/07/12

RESERVOIR PRESSURE SURVEY
RECORDERS @ 1031 mKBMD (957.527 TVD)

TUNDRA SUNCLAIR UNIT 11 HZNTL A16-36-7-29
Formation: BAKKEN

	LOWER Date yyyy/mm/dd	LOWER Clk Time hh:mm:ss	LOWER Time hr	LOWER Pres. kPa(a)	LOWER Temp. °C	UPPER Time hr	UPPER Pres. kPa(a)	UPPER Temp. °C	Diff. G1 - G2 kPa
81	2017/06/12	09:00:30	144.0000	1923.24	32.71	144.0000	1929.47	32.22	-6.23
82	2017/06/12	11:00:30	146.0000	1915.70	32.70	146.0000	1921.94	32.20	-6.24
83	2017/06/12	13:00:30	148.0000	1908.43	32.69	148.0000	1914.63	32.19	-6.20
84	2017/06/12	15:00:30	150.0000	1901.32	32.67	150.0000	1907.56	32.18	-6.24
85	2017/06/12	17:00:30	152.0000	1900.33	32.66	152.0000	1906.44	32.17	-6.11
86	2017/06/12	19:00:30	154.0000	1896.35	32.66	154.0000	1902.53	32.15	-6.18
87	2017/06/12	21:00:30	156.0000	1889.86	32.64	156.0000	1896.03	32.14	-6.17
88	2017/06/12	23:00:30	158.0000	1885.45	32.62	158.0000	1891.74	32.13	-6.29
89	2017/06/13	01:00:30	160.0000	1877.88	32.62	160.0000	1884.01	32.12	-6.13
90	2017/06/13	03:00:30	162.0000	1872.31	32.60	162.0000	1878.51	32.11	-6.20
91	2017/06/13	05:00:30	164.0000	1867.42	32.59	164.0000	1873.70	32.10	-6.28
92	2017/06/13	07:00:30	166.0000	1862.82	32.59	166.0000	1869.08	32.09	-6.26
93	2017/06/13	09:00:30	168.0000	1859.05	32.57	168.0000	1865.17	32.07	-6.12
94	2017/06/13	11:00:30	170.0000	1855.28	32.56	170.0000	1861.49	32.07	-6.21
95	2017/06/13	13:00:30	172.0000	1851.95	32.56	172.0000	1858.11	32.06	-6.16
96	2017/06/13	15:00:30	174.0000	1848.77	32.54	174.0000	1855.01	32.04	-6.24
97	2017/06/13	17:00:30	176.0000	1845.45	32.53	176.0000	1851.74	32.04	-6.29
98	2017/06/13	19:00:30	178.0000	1842.55	32.52	178.0000	1848.74	32.02	-6.19
99	2017/06/13	21:00:30	180.0000	1839.72	32.52	180.0000	1845.90	32.01	-6.18
100	2017/06/13	23:00:30	182.0000	1836.79	32.51	182.0000	1843.00	32.01	-6.21
101	2017/06/14	01:00:30	184.0000	1833.68	32.50	184.0000	1839.97	32.00	-6.29
102	2017/06/14	03:00:30	186.0000	1830.70	32.49	186.0000	1837.14	31.99	-6.44
103	2017/06/14	05:00:30	188.0000	1827.88	32.48	188.0000	1834.20	31.98	-6.32
104	2017/06/14	07:00:30	190.0000	1824.58	32.47	190.0000	1830.84	31.97	-6.26
105	2017/06/14	09:00:30	192.0000	1821.91	32.47	192.0000	1828.07	31.96	-6.16
106	2017/06/14	11:00:30	194.0000	1819.34	32.46	194.0000	1825.56	31.96	-6.22
107	2017/06/14	13:00:30	196.0000	1817.16	32.44	196.0000	1823.43	31.95	-6.27
108	2017/06/14	15:00:30	198.0000	1815.04	32.44	198.0000	1821.36	31.94	-6.32
109	2017/06/14	17:00:30	200.0000	1812.92	32.42	200.0000	1819.14	31.93	-6.22
110	2017/06/14	19:00:30	202.0000	1810.78	32.42	202.0000	1817.05	31.92	-6.27
111	2017/06/14	21:00:30	204.0000	1810.13	32.41	204.0000	1816.47	31.92	-6.34
112	2017/06/14	23:00:30	206.0000	1808.58	32.41	206.0000	1815.00	31.91	-6.42
113	2017/06/15	01:00:30	208.0000	1806.81	32.39	208.0000	1813.07	31.90	-6.26
114	2017/06/15	03:00:30	210.0000	1804.76	32.39	210.0000	1810.96	31.89	-6.20
115	2017/06/15	05:00:30	212.0000	1802.72	32.39	212.0000	1808.92	31.89	-6.20
116	2017/06/15	07:00:30	214.0000	1800.85	32.37	214.0000	1807.09	31.88	-6.24
117	2017/06/15	09:00:30	216.0000	1799.20	32.37	216.0000	1805.59	31.87	-6.39
118	2017/06/15	11:00:30	218.0000	1797.66	32.36	218.0000	1803.90	31.87	-6.24
119	2017/06/15	13:00:30	220.0000	1795.56	32.35	220.0000	1801.83	31.86	-6.27
120	2017/06/15	15:00:30	222.0000	1793.80	32.35	222.0000	1800.04	31.85	-6.24

LOWER Serial Number: V7U Start Date: 2017/06/06 09:00:30 Run Depth: 1031.00
UPPER Serial Number: V7V Start Date: 2017/06/06 09:00:30 Run Depth: 1031.00
Print Filter: Print every 2 hour

TUNDRA OIL & GAS PARTNERSHIP
103/16-36-007-29W1/00
Start Test Date: 2017/06/06
Final Test Date: 2017/07/12

TUNDRA SUNCLAIR UNIT 11 HZNTL A16-36-7-29
Formation: BAKKEN

RESERVOIR PRESSURE SURVEY
RECORDERS @ 1031 mKBMD (957.527 TVD)

	LOWER Date yyyy/mm/dd	LOWER Clk Time hh:mm:ss	LOWER Time hr	LOWER Pres. kPa(a)	LOWER Temp. °C	UPPER Time hr	UPPER Pres. kPa(a)	UPPER Temp. °C	Diff. G1 - G2 kPa
121	2017/06/15	17:00:30	224.0000	1792.18	32.34	224.0000	1798.44	31.85	-6.26
122	2017/06/15	19:00:30	226.0000	1790.41	32.34	226.0000	1796.80	31.84	-6.39
123	2017/06/15	21:00:30	228.0000	1788.83	32.33	228.0000	1795.12	31.83	-6.29
124	2017/06/15	23:00:30	230.0000	1787.31	32.32	230.0000	1793.61	31.83	-6.30
125	2017/06/16	01:00:30	232.0000	1786.01	32.32	232.0000	1792.30	31.82	-6.29
126	2017/06/16	03:00:30	234.0000	1784.62	32.31	234.0000	1790.99	31.81	-6.37
127	2017/06/16	05:00:30	236.0000	1783.46	32.30	236.0000	1789.81	31.80	-6.35
128	2017/06/16	07:00:30	238.0000	1781.68	32.29	238.0000	1788.06	31.80	-6.38
129	2017/06/16	09:00:30	240.0000	1781.00	32.29	240.0000	1787.17	31.80	-6.17
130	2017/06/16	11:00:30	242.0000	1779.79	32.28	242.0000	1786.21	31.79	-6.42
131	2017/06/16	13:00:30	244.0000	1778.77	32.29	244.0000	1785.06	31.79	-6.29
132	2017/06/16	15:00:30	246.0000	1777.63	32.28	246.0000	1783.85	31.78	-6.22
133	2017/06/16	17:00:30	248.0000	1776.64	32.27	248.0000	1782.85	31.78	-6.21
134	2017/06/16	19:00:30	250.0000	1775.55	32.27	250.0000	1781.99	31.77	-6.44
135	2017/06/16	21:00:30	252.0000	1774.58	32.26	252.0000	1780.99	31.76	-6.41
136	2017/06/16	23:00:30	254.0000	1773.56	32.26	254.0000	1779.90	31.76	-6.34
137	2017/06/17	01:00:30	256.0000	1772.59	32.25	256.0000	1779.06	31.75	-6.47
138	2017/06/17	03:00:30	258.0000	1771.60	32.25	258.0000	1777.96	31.75	-6.36
139	2017/06/17	05:00:30	260.0000	1770.44	32.24	260.0000	1776.76	31.74	-6.32
140	2017/06/17	07:00:30	262.0000	1769.46	32.24	262.0000	1775.84	31.74	-6.38
141	2017/06/17	09:00:30	264.0000	1768.37	32.23	264.0000	1774.67	31.73	-6.30
142	2017/06/17	11:00:30	266.0000	1767.29	32.22	266.0000	1773.57	31.73	-6.28
143	2017/06/17	13:00:30	268.0000	1766.55	32.21	268.0000	1773.00	31.73	-6.45
144	2017/06/17	15:00:30	270.0000	1767.21	32.22	270.0000	1773.53	31.72	-6.32
145	2017/06/17	17:00:30	272.0000	1766.78	32.22	272.0000	1773.18	31.72	-6.40
146	2017/06/17	19:00:30	274.0000	1766.16	32.20	274.0000	1772.54	31.71	-6.38
147	2017/06/17	21:00:30	276.0000	1765.48	32.20	276.0000	1771.83	31.70	-6.35
148	2017/06/17	23:00:30	278.0000	1764.68	32.20	278.0000	1770.96	31.70	-6.28
149	2017/06/18	01:00:30	280.0000	1763.95	32.20	280.0000	1770.32	31.70	-6.37
150	2017/06/18	03:00:30	282.0000	1763.34	32.19	282.0000	1769.79	31.69	-6.45
151	2017/06/18	05:00:30	284.0000	1762.77	32.19	284.0000	1769.08	31.68	-6.31
152	2017/06/18	07:00:30	286.0000	1761.81	32.18	286.0000	1768.15	31.68	-6.34
153	2017/06/18	09:00:30	288.0000	1761.02	32.18	288.0000	1767.38	31.68	-6.36
154	2017/06/18	11:00:30	290.0000	1760.09	32.18	290.0000	1766.44	31.67	-6.35
155	2017/06/18	13:00:30	292.0000	1759.24	32.17	292.0000	1765.68	31.67	-6.44
156	2017/06/18	15:00:30	294.0000	1758.50	32.16	294.0000	1764.86	31.67	-6.36
157	2017/06/18	17:00:30	296.0000	1757.62	32.17	296.0000	1763.96	31.66	-6.34
158	2017/06/18	19:00:30	298.0000	1756.89	32.15	298.0000	1763.21	31.66	-6.32
159	2017/06/18	21:00:30	300.0000	1756.19	32.15	300.0000	1762.49	31.65	-6.30
160	2017/06/18	23:00:30	302.0000	1755.42	32.15	302.0000	1761.75	31.65	-6.33

LOWER Serial Number: V7U Start Date: 2017/06/06 09:00:30 Run Depth: 1031.00
UPPER Serial Number: V7V Start Date: 2017/06/06 09:00:30 Run Depth: 1031.00
Print Filter: Print every 2 hour

TUNDRA OIL & GAS PARTNERSHIP
103/16-36-007-29W1/00
Start Test Date: 2017/06/06
Final Test Date: 2017/07/12

RESERVOIR PRESSURE SURVEY
RECORDERS @ 1031 mKBMD (957.527 TVD)

TUNDRA SUNCLAIR UNIT 11 HZNTL A16-36-7-29
Formation: BAKKEN

	LOWER Date yyyy/mm/dd	LOWER Clk Time hh:mm:ss	LOWER Time hr	LOWER Pres. kPa(a)	LOWER Temp. °C	UPPER Time hr	UPPER Pres. kPa(a)	UPPER Temp. °C	Diff. G1 - G2 kPa
161	2017/06/19	01:00:30	304.0000	1754.65	32.15	304.0000	1760.98	31.65	-6.33
162	2017/06/19	03:00:30	306.0000	1753.87	32.14	306.0000	1760.24	31.64	-6.37
163	2017/06/19	05:00:30	308.0000	1752.82	32.14	308.0000	1759.12	31.64	-6.30
164	2017/06/19	07:00:30	310.0000	1751.91	32.14	310.0000	1758.35	31.64	-6.44
165	2017/06/19	09:00:30	312.0000	1751.17	32.13	312.0000	1757.47	31.63	-6.30
166	2017/06/19	11:00:30	314.0000	1750.32	32.13	314.0000	1756.74	31.63	-6.42
167	2017/06/19	13:00:30	316.0000	1749.58	32.13	316.0000	1755.94	31.63	-6.36
168	2017/06/19	15:00:30	318.0000	1748.94	32.12	318.0000	1755.25	31.62	-6.31
169	2017/06/19	17:00:30	320.0000	1748.23	32.12	320.0000	1754.65	31.62	-6.42
170	2017/06/19	19:00:30	322.0000	1747.45	32.12	322.0000	1753.86	31.62	-6.41
171	2017/06/19	21:00:30	324.0000	1746.51	32.11	324.0000	1752.85	31.61	-6.34
172	2017/06/19	23:00:30	326.0000	1745.82	32.11	326.0000	1752.13	31.61	-6.31
173	2017/06/20	01:00:30	328.0000	1745.49	32.11	328.0000	1751.92	31.61	-6.43
174	2017/06/20	03:00:30	330.0000	1746.62	32.10	330.0000	1752.88	31.60	-6.26
175	2017/06/20	05:00:30	332.0000	1747.13	32.09	332.0000	1753.45	31.60	-6.32
176	2017/06/20	07:00:30	334.0000	1747.09	32.10	334.0000	1753.41	31.59	-6.32
177	2017/06/20	09:00:30	336.0000	1746.90	32.09	336.0000	1753.08	31.59	-6.18
178	2017/06/20	11:00:30	338.0000	1746.65	32.08	338.0000	1752.89	31.59	-6.24
179	2017/06/20	13:00:30	340.0000	1743.65	32.08	340.0000	1749.95	31.58	-6.30
180	2017/06/20	15:00:30	342.0000	1741.13	32.08	342.0000	1747.56	31.58	-6.43
181	2017/06/20	17:00:30	344.0000	1739.13	32.08	344.0000	1745.53	31.58	-6.40
182	2017/06/20	19:00:30	346.0000	1738.07	32.08	346.0000	1744.40	31.58	-6.33
183	2017/06/20	21:00:30	348.0000	1737.11	32.07	348.0000	1743.45	31.57	-6.34
184	2017/06/20	23:00:30	350.0000	1736.46	32.08	350.0000	1742.77	31.57	-6.31
185	2017/06/21	01:00:30	352.0000	1736.31	32.07	352.0000	1742.74	31.57	-6.43
186	2017/06/21	03:00:30	354.0000	1736.19	32.06	354.0000	1742.63	31.57	-6.44
187	2017/06/21	05:00:30	356.0000	1735.38	32.06	356.0000	1741.73	31.56	-6.35
188	2017/06/21	07:00:30	358.0000	1734.07	32.06	358.0000	1740.44	31.56	-6.37
189	2017/06/21	09:00:30	360.0000	1733.28	32.06	360.0000	1739.58	31.55	-6.30
190	2017/06/21	11:00:30	362.0000	1728.85	32.05	362.0000	1735.10	31.55	-6.25
191	2017/06/21	13:00:30	364.0000	1725.63	32.06	364.0000	1731.93	31.55	-6.30
192	2017/06/21	15:00:30	366.0000	1723.20	32.06	366.0000	1729.54	31.55	-6.34
193	2017/06/21	17:00:30	368.0000	1722.26	32.05	368.0000	1728.67	31.54	-6.41
194	2017/06/21	19:00:30	370.0000	1720.93	32.05	370.0000	1727.30	31.54	-6.37
195	2017/06/21	21:00:30	372.0000	1719.90	32.05	372.0000	1726.32	31.54	-6.42
196	2017/06/21	23:00:30	374.0000	1719.82	32.03	374.0000	1726.25	31.53	-6.43
197	2017/06/22	01:00:30	376.0000	1717.36	32.03	376.0000	1723.77	31.53	-6.41
198	2017/06/22	03:00:30	378.0000	1717.20	32.03	378.0000	1723.64	31.53	-6.44
199	2017/06/22	05:00:30	380.0000	1716.53	32.03	380.0000	1723.00	31.53	-6.47
200	2017/06/22	07:00:30	382.0000	1715.85	32.02	382.0000	1722.21	31.52	-6.36

LOWER Serial Number: V7U Start Date: 2017/06/06 09:00:30 Run Depth: 1031.00
UPPER Serial Number: V7V Start Date: 2017/06/06 09:00:30 Run Depth: 1031.00
Print Filter: Print every 2 hour

TUNDRA OIL & GAS PARTNERSHIP
103/16-36-007-29W1/00
Start Test Date: 2017/06/06
Final Test Date: 2017/07/12

RESERVOIR PRESSURE SURVEY
RECORDERS @ 1031 mKBMD (957.527 TVD)

TUNDRA SUNCLAIR UNIT 11 HZNTL A16-36-7-29
Formation: BAKKEN

	LOWER Date yyyy/mm/dd	LOWER Clk Time hh:mm:ss	LOWER Time hr	LOWER Pres. kPa(a)	LOWER Temp. °C	UPPER Time hr	UPPER Pres. kPa(a)	UPPER Temp. °C	Diff. G1 - G2 kPa
201	2017/06/22	09:00:30	384.0000	1714.72	32.03	384.0000	1721.07	31.52	-6.35
202	2017/06/22	11:00:30	386.0000	1714.50	32.02	386.0000	1720.88	31.52	-6.38
203	2017/06/22	13:00:30	388.0000	1714.77	32.02	388.0000	1721.26	31.52	-6.49
204	2017/06/22	15:00:30	390.0000	1714.43	32.02	390.0000	1720.86	31.51	-6.43
205	2017/06/22	17:00:30	392.0000	1713.99	32.02	392.0000	1720.38	31.51	-6.39
206	2017/06/22	19:00:30	394.0000	1711.06	32.01	394.0000	1717.41	31.51	-6.35
207	2017/06/22	21:00:30	396.0000	1708.77	32.01	396.0000	1715.18	31.51	-6.41
208	2017/06/22	23:00:30	398.0000	1707.75	32.01	398.0000	1714.04	31.50	-6.29
209	2017/06/23	01:00:30	400.0000	1707.27	32.01	400.0000	1713.52	31.50	-6.25
210	2017/06/23	03:00:30	402.0000	1706.99	32.00	402.0000	1713.35	31.50	-6.36
211	2017/06/23	05:00:30	404.0000	1706.82	32.00	404.0000	1713.09	31.50	-6.27
212	2017/06/23	07:00:30	406.0000	1706.39	32.00	406.0000	1712.86	31.50	-6.47
213	2017/06/23	09:00:30	408.0000	1705.96	32.00	408.0000	1712.25	31.49	-6.29
214	2017/06/23	11:00:30	410.0000	1704.82	31.99	410.0000	1711.30	31.49	-6.48
215	2017/06/23	13:00:30	412.0000	1704.75	31.99	412.0000	1711.12	31.49	-6.37
216	2017/06/23	15:00:30	414.0000	1704.63	31.99	414.0000	1710.96	31.49	-6.33
217	2017/06/23	17:00:30	416.0000	1704.24	31.99	416.0000	1710.64	31.48	-6.40
218	2017/06/23	19:00:30	418.0000	1704.91	31.98	418.0000	1711.26	31.48	-6.35
219	2017/06/23	21:00:30	420.0000	1705.76	31.98	420.0000	1712.13	31.48	-6.37
220	2017/06/23	23:00:30	422.0000	1707.01	31.99	422.0000	1713.39	31.48	-6.38
221	2017/06/24	01:00:30	424.0000	1707.44	31.98	424.0000	1713.80	31.47	-6.36
222	2017/06/24	03:00:30	426.0000	1707.99	31.98	426.0000	1714.41	31.47	-6.42
223	2017/06/24	05:00:30	428.0000	1708.44	31.98	428.0000	1714.91	31.47	-6.47
224	2017/06/24	07:00:30	430.0000	1708.64	31.97	430.0000	1714.91	31.47	-6.27
225	2017/06/24	09:00:30	432.0000	1708.57	31.97	432.0000	1714.91	31.45	-6.34
226	2017/06/24	11:00:30	434.0000	1708.56	31.97	434.0000	1714.93	31.46	-6.37
227	2017/06/24	13:00:30	436.0000	1708.60	31.96	436.0000	1715.02	31.46	-6.42
228	2017/06/24	15:00:30	438.0000	1708.68	31.96	438.0000	1715.15	31.46	-6.47
229	2017/06/24	17:00:30	440.0000	1708.14	31.96	440.0000	1714.53	31.46	-6.39
230	2017/06/24	19:00:30	442.0000	1708.42	31.96	442.0000	1714.85	31.46	-6.43
231	2017/06/24	21:00:30	444.0000	1708.64	31.96	444.0000	1714.91	31.46	-6.27
232	2017/06/24	23:00:30	446.0000	1708.92	31.96	446.0000	1715.21	31.45	-6.29
233	2017/06/25	01:00:30	448.0000	1707.74	31.95	448.0000	1714.11	31.45	-6.37
234	2017/06/25	03:00:30	450.0000	1707.62	31.96	450.0000	1714.07	31.45	-6.45
235	2017/06/25	05:00:30	452.0000	1707.64	31.95	452.0000	1714.04	31.44	-6.40
236	2017/06/25	07:00:30	454.0000	1707.61	31.94	454.0000	1713.94	31.44	-6.33
237	2017/06/25	09:00:30	456.0000	1707.80	31.95	456.0000	1714.15	31.44	-6.35
238	2017/06/25	11:00:30	458.0000	1709.19	31.94	458.0000	1715.52	31.44	-6.33
239	2017/06/25	13:00:30	460.0000	1709.76	31.94	460.0000	1716.22	31.44	-6.46
240	2017/06/25	15:00:30	462.0000	1710.14	31.94	462.0000	1716.54	31.44	-6.40

LOWER Serial Number: V7U Start Date: 2017/06/06 09:00:30 Run Depth: 1031.00
UPPER Serial Number: V7V Start Date: 2017/06/06 09:00:30 Run Depth: 1031.00
Print Filter: Print every 2 hour

TUNDRA OIL & GAS PARTNERSHIP
103/16-36-007-29W1/00
Start Test Date: 2017/06/06
Final Test Date: 2017/07/12

RESERVOIR PRESSURE SURVEY
RECORDERS @ 1031 mKBMD (957.527 TVD)

TUNDRA SUNCLAIR UNIT 11 HZNTL A16-36-7-29
Formation: BAKKEN

	LOWER Date yyyy/mm/dd	LOWER Clk Time hh:mm:ss	LOWER Time hr	LOWER Pres. kPa(a)	LOWER Temp. °C	UPPER Time hr	UPPER Pres. kPa(a)	UPPER Temp. °C	Diff. G1 - G2 kPa
241	2017/06/25	17:00:30	464.0000	1710.49	31.93	464.0000	1717.00	31.44	-6.51
242	2017/06/25	19:00:30	466.0000	1711.33	31.94	466.0000	1717.68	31.44	-6.35
243	2017/06/25	21:00:30	468.0000	1712.16	31.93	468.0000	1718.57	31.43	-6.41
244	2017/06/25	23:00:30	470.0000	1712.58	31.93	470.0000	1719.01	31.43	-6.43
245	2017/06/26	01:00:30	472.0000	1712.90	31.94	472.0000	1719.35	31.43	-6.45
246	2017/06/26	03:00:30	474.0000	1713.31	31.92	474.0000	1719.59	31.43	-6.28
247	2017/06/26	05:00:30	476.0000	1713.55	31.93	476.0000	1719.89	31.43	-6.34
248	2017/06/26	07:00:30	478.0000	1713.75	31.92	478.0000	1720.22	31.42	-6.47
249	2017/06/26	09:00:30	480.0000	1713.99	31.92	480.0000	1720.26	31.42	-6.27
250	2017/06/26	11:00:30	482.0000	1714.09	31.92	482.0000	1720.51	31.42	-6.42
251	2017/06/26	13:00:30	484.0000	1714.36	31.93	484.0000	1720.71	31.42	-6.35
252	2017/06/26	15:00:30	486.0000	1714.72	31.93	486.0000	1721.08	31.42	-6.36
253	2017/06/26	17:00:30	488.0000	1715.49	31.91	488.0000	1721.91	31.42	-6.42
254	2017/06/26	19:00:30	490.0000	1716.02	31.91	490.0000	1722.41	31.41	-6.39
255	2017/06/26	21:00:30	492.0000	1716.32	31.92	492.0000	1722.69	31.41	-6.37
256	2017/06/26	23:00:30	494.0000	1716.54	31.91	494.0000	1722.93	31.41	-6.39
257	2017/06/27	01:00:30	496.0000	1716.79	31.92	496.0000	1723.13	31.41	-6.34
258	2017/06/27	03:00:30	498.0000	1717.02	31.91	498.0000	1723.44	31.41	-6.42
259	2017/06/27	05:00:30	500.0000	1717.29	31.91	500.0000	1723.61	31.41	-6.32
260	2017/06/27	07:00:30	502.0000	1717.45	31.91	502.0000	1723.89	31.41	-6.44
261	2017/06/27	09:00:30	504.0000	1717.67	31.91	504.0000	1724.15	31.40	-6.48
262	2017/06/27	11:00:30	506.0000	1717.90	31.90	506.0000	1724.31	31.40	-6.41
263	2017/06/27	13:00:30	508.0000	1718.06	31.90	508.0000	1724.31	31.40	-6.25
264	2017/06/27	15:00:30	510.0000	1718.36	31.90	510.0000	1724.66	31.40	-6.30
265	2017/06/27	17:00:30	512.0000	1718.73	31.90	512.0000	1725.08	31.40	-6.35
266	2017/06/27	19:00:30	514.0000	1719.48	31.89	514.0000	1726.15	31.40	-6.67
267	2017/06/27	21:00:30	516.0000	1720.24	31.90	516.0000	1726.72	31.40	-6.48
268	2017/06/27	23:00:30	518.0000	1720.88	31.89	518.0000	1727.30	31.39	-6.42
269	2017/06/28	01:00:30	520.0000	1721.46	31.90	520.0000	1727.80	31.39	-6.34
270	2017/06/28	03:00:30	522.0000	1721.84	31.89	522.0000	1728.18	31.39	-6.34
271	2017/06/28	05:00:30	524.0000	1722.79	31.89	524.0000	1729.26	31.39	-6.47
272	2017/06/28	07:00:30	526.0000	1723.53	31.89	526.0000	1729.88	31.39	-6.35
273	2017/06/28	09:00:30	528.0000	1723.99	31.88	528.0000	1730.32	31.38	-6.33
274	2017/06/28	11:00:30	530.0000	1724.38	31.89	530.0000	1730.65	31.38	-6.27
275	2017/06/28	13:00:30	532.0000	1724.25	31.88	532.0000	1731.25	31.38	-7.00
276	2017/06/28	15:00:30	534.0000	1724.56	31.88	534.0000	1730.87	31.38	-6.31
277	2017/06/28	17:00:30	536.0000	1724.94	31.88	536.0000	1731.30	31.38	-6.36
278	2017/06/28	19:00:30	538.0000	1725.30	31.88	538.0000	1731.62	31.38	-6.32
279	2017/06/28	21:00:30	540.0000	1725.98	31.88	540.0000	1732.31	31.37	-6.33
280	2017/06/28	23:00:30	542.0000	1726.41	31.88	542.0000	1732.80	31.37	-6.39

LOWER Serial Number: V7U Start Date: 2017/06/06 09:00:30 Run Depth: 1031.00
UPPER Serial Number: V7V Start Date: 2017/06/06 09:00:30 Run Depth: 1031.00
Print Filter: Print every 2 hour

TUNDRA OIL & GAS PARTNERSHIP
103/16-36-007-29W1/00
Start Test Date: 2017/06/06
Final Test Date: 2017/07/12

RESERVOIR PRESSURE SURVEY
RECORDERS @ 1031 mKBMD (957.527 TVD)

TUNDRA SUNCLAIR UNIT 11 HZNTL A16-36-7-29
Formation: BAKKEN

	LOWER Date yyyy/mm/dd	LOWER Clk Time hh:mm:ss	LOWER Time hr	LOWER Pres. kPa(a)	LOWER Temp. °C	UPPER Time hr	UPPER Pres. kPa(a)	UPPER Temp. °C	Diff. G1 - G2 kPa
281	2017/06/29	01:00:30	544.0000	1726.90	31.87	544.0000	1733.08	31.37	-6.18
282	2017/06/29	03:00:30	546.0000	1727.45	31.88	546.0000	1733.80	31.37	-6.35
283	2017/06/29	05:00:30	548.0000	1727.69	31.88	548.0000	1734.02	31.37	-6.33
284	2017/06/29	07:00:30	550.0000	1728.03	31.87	550.0000	1734.32	31.37	-6.29
285	2017/06/29	09:00:30	552.0000	1728.43	31.88	552.0000	1734.83	31.37	-6.40
286	2017/06/29	11:00:30	554.0000	1728.71	31.87	554.0000	1734.99	31.37	-6.28
287	2017/06/29	13:00:30	556.0000	1728.94	31.87	556.0000	1735.24	31.36	-6.30
288	2017/06/29	15:00:30	558.0000	1729.16	31.87	558.0000	1735.50	31.36	-6.34
289	2017/06/29	17:00:30	560.0000	1729.53	31.87	560.0000	1735.98	31.36	-6.45
290	2017/06/29	19:00:30	562.0000	1729.81	31.86	562.0000	1736.22	31.36	-6.41
291	2017/06/29	21:00:30	564.0000	1730.12	31.86	564.0000	1736.54	31.36	-6.42
292	2017/06/29	23:00:30	566.0000	1730.58	31.86	566.0000	1737.01	31.36	-6.43
293	2017/06/30	01:00:30	568.0000	1730.98	31.87	568.0000	1737.21	31.36	-6.23
294	2017/06/30	03:00:30	570.0000	1731.22	31.86	570.0000	1737.53	31.36	-6.31
295	2017/06/30	05:00:30	572.0000	1731.61	31.86	572.0000	1737.91	31.36	-6.30
296	2017/06/30	07:00:30	574.0000	1731.84	31.86	574.0000	1738.12	31.35	-6.28
297	2017/06/30	09:00:30	576.0000	1732.17	31.86	576.0000	1738.51	31.35	-6.34
298	2017/06/30	11:00:30	578.0000	1732.33	31.86	578.0000	1738.71	31.35	-6.38
299	2017/06/30	13:00:30	580.0000	1732.51	31.86	580.0000	1738.89	31.35	-6.38
300	2017/06/30	15:00:30	582.0000	1732.67	31.85	582.0000	1738.99	31.35	-6.32
301	2017/06/30	17:00:30	584.0000	1732.72	31.86	584.0000	1739.09	31.34	-6.37
302	2017/06/30	19:00:30	586.0000	1732.68	31.85	586.0000	1739.07	31.35	-6.39
303	2017/06/30	21:00:30	588.0000	1732.70	31.85	588.0000	1739.07	31.35	-6.37
304	2017/06/30	23:00:30	590.0000	1732.68	31.85	590.0000	1739.09	31.35	-6.41
305	2017/07/01	01:00:30	592.0000	1732.78	31.83	592.0000	1739.13	31.34	-6.35
306	2017/07/01	03:00:30	594.0000	1732.89	31.85	594.0000	1739.25	31.34	-6.36
307	2017/07/01	05:00:30	596.0000	1733.09	31.85	596.0000	1739.65	31.34	-6.56
308	2017/07/01	07:00:30	598.0000	1733.27	31.85	598.0000	1739.70	31.34	-6.43
309	2017/07/01	09:00:30	600.0000	1733.51	31.84	600.0000	1739.65	31.34	-6.14
310	2017/07/01	11:00:30	602.0000	1733.68	31.85	602.0000	1740.13	31.34	-6.45
311	2017/07/01	13:00:30	604.0000	1733.86	31.85	604.0000	1740.15	31.34	-6.29
312	2017/07/01	15:00:30	606.0000	1733.90	31.84	606.0000	1740.33	31.33	-6.43
313	2017/07/01	17:00:30	608.0000	1734.00	31.84	608.0000	1740.38	31.33	-6.38
314	2017/07/01	19:00:30	610.0000	1734.20	31.83	610.0000	1740.73	31.33	-6.53
315	2017/07/01	21:00:30	612.0000	1734.41	31.84	612.0000	1740.76	31.33	-6.35
316	2017/07/01	23:00:30	614.0000	1734.58	31.84	614.0000	1741.05	31.33	-6.47
317	2017/07/02	01:00:30	616.0000	1734.68	31.83	616.0000	1741.53	31.33	-6.85
318	2017/07/02	03:00:30	618.0000	1734.79	31.84	618.0000	1741.13	31.33	-6.34
319	2017/07/02	05:00:30	620.0000	1734.64	31.83	620.0000	1740.93	31.33	-6.29
320	2017/07/02	07:00:30	622.0000	1734.55	31.83	622.0000	1740.95	31.33	-6.40

LOWER Serial Number: V7U Start Date: 2017/06/06 09:00:30 Run Depth: 1031.00
UPPER Serial Number: V7V Start Date: 2017/06/06 09:00:30 Run Depth: 1031.00
Print Filter: Print every 2 hour

TUNDRA OIL & GAS PARTNERSHIP
103/16-36-007-29W1/00
Start Test Date: 2017/06/06
Final Test Date: 2017/07/12

RESERVOIR PRESSURE SURVEY
RECORDERS @ 1031 mKBMD (957.527 TVD)

TUNDRA SUNCLAIR UNIT 11 HZNTL A16-36-7-29
Formation: BAKKEN

	LOWER Date yyyy/mm/dd	LOWER Clk Time hh:mm:ss	LOWER Time hr	LOWER Pres. kPa(a)	LOWER Temp. °C	UPPER Time hr	UPPER Pres. kPa(a)	UPPER Temp. °C	Diff. G1 - G2 kPa
321	2017/07/02	09:00:30	624.0000	1734.62	31.83	624.0000	1740.99	31.33	-6.37
322	2017/07/02	11:00:30	626.0000	1734.69	31.83	626.0000	1741.04	31.32	-6.35
323	2017/07/02	13:00:30	628.0000	1734.76	31.83	628.0000	1741.10	31.32	-6.34
324	2017/07/02	15:00:30	630.0000	1734.74	31.83	630.0000	1741.12	31.32	-6.38
325	2017/07/02	17:00:30	632.0000	1734.67	31.83	632.0000	1741.04	31.32	-6.37
326	2017/07/02	19:00:30	634.0000	1734.64	31.82	634.0000	1741.06	31.32	-6.42
327	2017/07/02	21:00:30	636.0000	1734.58	31.83	636.0000	1741.10	31.32	-6.52
328	2017/07/02	23:00:30	638.0000	1734.69	31.82	638.0000	1741.07	31.32	-6.38
329	2017/07/03	01:00:30	640.0000	1734.77	31.82	640.0000	1741.12	31.32	-6.35
330	2017/07/03	03:00:30	642.0000	1735.10	31.82	642.0000	1741.54	31.32	-6.44
331	2017/07/03	05:00:30	644.0000	1735.37	31.82	644.0000	1741.81	31.32	-6.44
332	2017/07/03	07:00:30	646.0000	1735.56	31.82	646.0000	1741.98	31.32	-6.42
333	2017/07/03	09:00:30	648.0000	1734.90	31.82	648.0000	1741.39	31.31	-6.49
334	2017/07/03	11:00:30	650.0000	1734.85	31.82	650.0000	1741.28	31.31	-6.43
335	2017/07/03	13:00:30	652.0000	1734.78	31.82	652.0000	1741.21	31.31	-6.43
336	2017/07/03	15:00:30	654.0000	1734.73	31.82	654.0000	1741.04	31.31	-6.31
337	2017/07/03	17:00:30	656.0000	1734.77	31.82	656.0000	1741.15	31.31	-6.38
338	2017/07/03	19:00:30	658.0000	1734.77	31.82	658.0000	1741.11	31.31	-6.34
339	2017/07/03	21:00:30	660.0000	1734.72	31.81	660.0000	1741.00	31.31	-6.28
340	2017/07/03	23:00:30	662.0000	1734.67	31.81	662.0000	1741.04	31.31	-6.37
341	2017/07/04	01:00:30	664.0000	1734.69	31.81	664.0000	1741.03	31.31	-6.34
342	2017/07/04	03:00:30	666.0000	1734.55	31.81	666.0000	1740.41	31.31	-5.86
343	2017/07/04	05:00:30	668.0000	1734.42	31.81	668.0000	1740.86	31.31	-6.44
344	2017/07/04	07:00:30	670.0000	1734.39	31.81	670.0000	1740.65	31.31	-6.26
345	2017/07/04	09:00:30	672.0000	1734.31	31.81	672.0000	1740.62	31.30	-6.31
346	2017/07/04	11:00:30	674.0000	1734.27	31.81	674.0000	1740.55	31.30	-6.28
347	2017/07/04	13:00:30	676.0000	1734.35	31.81	676.0000	1740.71	31.30	-6.36
348	2017/07/04	15:00:30	678.0000	1734.36	31.80	678.0000	1740.66	31.30	-6.30
349	2017/07/04	17:00:30	680.0000	1734.30	31.81	680.0000	1740.64	31.30	-6.34
350	2017/07/04	19:00:30	682.0000	1734.25	31.80	682.0000	1740.67	31.30	-6.42
351	2017/07/04	21:00:30	684.0000	1734.11	31.79	684.0000	1740.52	31.30	-6.41
352	2017/07/04	23:00:30	686.0000	1734.07	31.80	686.0000	1740.41	31.30	-6.34
353	2017/07/05	01:00:30	688.0000	1733.94	31.80	688.0000	1740.24	31.30	-6.30
354	2017/07/05	03:00:30	690.0000	1733.85	31.80	690.0000	1740.27	31.30	-6.42
355	2017/07/05	05:00:30	692.0000	1733.74	31.80	692.0000	1740.15	31.30	-6.41
356	2017/07/05	07:00:30	694.0000	1733.61	31.80	694.0000	1739.92	31.30	-6.31
357	2017/07/05	09:00:30	696.0000	1733.52	31.79	696.0000	1739.87	31.29	-6.35
358	2017/07/05	11:00:30	698.0000	1733.48	31.79	698.0000	1739.86	31.29	-6.38
359	2017/07/05	13:00:30	700.0000	1733.45	31.79	700.0000	1739.94	31.29	-6.49
360	2017/07/05	15:00:30	702.0000	1733.41	31.80	702.0000	1739.77	31.29	-6.36

LOWER Serial Number: V7U Start Date: 2017/06/06 09:00:30 Run Depth: 1031.00
UPPER Serial Number: V7V Start Date: 2017/06/06 09:00:30 Run Depth: 1031.00
Print Filter: Print every 2 hour

TUNDRA OIL & GAS PARTNERSHIP
103/16-36-007-29W1/00
Start Test Date: 2017/06/06
Final Test Date: 2017/07/12

RESERVOIR PRESSURE SURVEY
RECORDERS @ 1031 mKBMD (957.527 TVD)

TUNDRA SUNCLAIR UNIT 11 HZNTL A16-36-7-29
Formation: BAKKEN

	LOWER Date yyyy/mm/dd	LOWER Clk Time hh:mm:ss	LOWER Time hr	LOWER Pres. kPa(a)	LOWER Temp. °C	UPPER Time hr	UPPER Pres. kPa(a)	UPPER Temp. °C	Diff. G1 - G2 kPa
361	2017/07/05	17:00:30	704.0000	1733.41	31.80	704.0000	1739.86	31.29	-6.45
362	2017/07/05	19:00:30	706.0000	1733.36	31.79	706.0000	1739.72	31.29	-6.36
363	2017/07/05	21:00:30	708.0000	1733.25	31.79	708.0000	1739.73	31.29	-6.48
364	2017/07/05	23:00:30	710.0000	1733.24	31.79	710.0000	1739.67	31.29	-6.43
365	2017/07/06	01:00:30	712.0000	1733.29	31.79	712.0000	1740.24	31.29	-6.95
366	2017/07/06	03:00:30	714.0000	1733.23	31.78	714.0000	1739.75	31.28	-6.52
367	2017/07/06	05:00:30	716.0000	1733.16	31.78	716.0000	1739.50	31.28	-6.34
368	2017/07/06	07:00:30	718.0000	1732.92	31.78	718.0000	1739.84	31.28	-6.92
369	2017/07/06	09:00:30	720.0000	1732.79	31.79	720.0000	1739.02	31.28	-6.23
370	2017/07/06	11:00:30	722.0000	1732.57	31.78	722.0000	1739.00	31.28	-6.43
371	2017/07/06	13:00:30	724.0000	1732.50	31.78	724.0000	1738.87	31.28	-6.37
372	2017/07/06	15:00:30	726.0000	1732.58	31.78	726.0000	1738.95	31.28	-6.37
373	2017/07/06	17:00:30	728.0000	1732.60	31.79	728.0000	1738.97	31.28	-6.37
374	2017/07/06	19:00:30	730.0000	1732.59	31.79	730.0000	1738.89	31.28	-6.30
375	2017/07/06	21:00:30	732.0000	1732.48	31.79	732.0000	1738.89	31.28	-6.41
376	2017/07/06	23:00:30	734.0000	1732.37	31.78	734.0000	1738.76	31.28	-6.39
377	2017/07/07	01:00:30	736.0000	1732.33	31.79	736.0000	1738.70	31.28	-6.37
378	2017/07/07	03:00:30	738.0000	1732.29	31.78	738.0000	1738.69	31.28	-6.40
379	2017/07/07	05:00:30	740.0000	1732.16	31.78	740.0000	1738.64	31.27	-6.48
380	2017/07/07	07:00:30	742.0000	1731.97	31.78	742.0000	1738.31	31.28	-6.34
381	2017/07/07	09:00:30	744.0000	1731.84	31.78	744.0000	1738.26	31.27	-6.42
382	2017/07/07	11:00:30	746.0000	1731.68	31.78	746.0000	1738.09	31.27	-6.41
383	2017/07/07	13:00:30	748.0000	1731.47	31.78	748.0000	1737.92	31.27	-6.45
384	2017/07/07	15:00:30	750.0000	1731.44	31.78	750.0000	1737.83	31.27	-6.39
385	2017/07/07	17:00:30	752.0000	1731.50	31.78	752.0000	1737.84	31.27	-6.34
386	2017/07/07	19:00:30	754.0000	1731.46	31.78	754.0000	1737.75	31.27	-6.29
387	2017/07/07	21:00:30	756.0000	1731.27	31.77	756.0000	1737.66	31.27	-6.39
388	2017/07/07	23:00:30	758.0000	1731.19	31.78	758.0000	1737.55	31.27	-6.36
389	2017/07/08	01:00:30	760.0000	1731.07	31.78	760.0000	1737.45	31.27	-6.38
390	2017/07/08	03:00:30	762.0000	1730.97	31.77	762.0000	1737.44	31.27	-6.47
391	2017/07/08	05:00:30	764.0000	1731.06	31.78	764.0000	1737.46	31.27	-6.40
392	2017/07/08	07:00:30	766.0000	1730.90	31.78	766.0000	1737.35	31.26	-6.45
393	2017/07/08	09:00:30	768.0000	1730.77	31.77	768.0000	1737.08	31.26	-6.31
394	2017/07/08	11:00:30	770.0000	1730.57	31.77	770.0000	1736.92	31.26	-6.35
395	2017/07/08	13:00:30	772.0000	1730.41	31.77	772.0000	1736.87	31.26	-6.46
396	2017/07/08	15:00:30	774.0000	1730.45	31.77	774.0000	1736.85	31.26	-6.40
397	2017/07/08	17:00:30	776.0000	1730.43	31.77	776.0000	1736.85	31.26	-6.42
398	2017/07/08	19:00:30	778.0000	1730.39	31.77	778.0000	1736.87	31.26	-6.48
399	2017/07/08	21:00:30	780.0000	1730.22	31.77	780.0000	1736.67	31.26	-6.45
400	2017/07/08	23:00:30	782.0000	1730.75	31.77	782.0000	1737.17	31.26	-6.42

LOWER Serial Number: V7U Start Date: 2017/06/06 09:00:30 Run Depth: 1031.00
UPPER Serial Number: V7V Start Date: 2017/06/06 09:00:30 Run Depth: 1031.00
Print Filter: Print every 2 hour

TUNDRA OIL & GAS PARTNERSHIP
103/16-36-007-29W1/00
Start Test Date: 2017/06/06
Final Test Date: 2017/07/12

RESERVOIR PRESSURE SURVEY
RECORDERS @ 1031 mKBMD (957.527 TVD)

TUNDRA SUNCLAIR UNIT 11 HZNTL A16-36-7-29
Formation: BAKKEN

	LOWER Date yyyy/mm/dd	LOWER Clk Time hh:mm:ss	LOWER Time hr	LOWER Pres. kPa(a)	LOWER Temp. °C	UPPER Time hr	UPPER Pres. kPa(a)	UPPER Temp. °C	Diff. G1 - G2 kPa
401	2017/07/09	01:00:30	784.0000	1731.10	31.77	784.0000	1737.52	31.26	-6.42
402	2017/07/09	03:00:30	786.0000	1731.33	31.77	786.0000	1737.72	31.26	-6.39
403	2017/07/09	05:00:30	788.0000	1731.39	31.76	788.0000	1737.75	31.26	-6.36
404	2017/07/09	07:00:30	790.0000	1731.43	31.76	790.0000	1737.80	31.26	-6.37
405	2017/07/09	09:00:30	792.0000	1731.24	31.77	792.0000	1737.64	31.26	-6.40
406	2017/07/09	11:00:30	794.0000	1731.12	31.76	794.0000	1737.45	31.25	-6.33
407	2017/07/09	13:00:30	796.0000	1731.04	31.76	796.0000	1737.41	31.26	-6.37
408	2017/07/09	15:00:30	798.0000	1730.98	31.76	798.0000	1737.45	31.25	-6.47
409	2017/07/09	17:00:30	800.0000	1730.97	31.76	800.0000	1737.29	31.25	-6.32
410	2017/07/09	19:00:30	802.0000	1730.96	31.78	802.0000	1737.23	31.25	-6.27
411	2017/07/09	21:00:30	804.0000	1730.87	31.76	804.0000	1737.22	31.25	-6.35
412	2017/07/09	23:00:30	806.0000	1730.73	31.75	806.0000	1737.10	31.25	-6.37
413	2017/07/10	01:00:30	808.0000	1730.68	31.75	808.0000	1737.09	31.25	-6.41
414	2017/07/10	03:00:30	810.0000	1730.64	31.75	810.0000	1737.01	31.25	-6.37
415	2017/07/10	05:00:30	812.0000	1730.57	31.75	812.0000	1737.06	31.25	-6.49
416	2017/07/10	07:00:30	814.0000	1730.54	31.75	814.0000	1736.93	31.25	-6.39
417	2017/07/10	09:00:30	816.0000	1730.35	31.76	816.0000	1736.65	31.25	-6.30
418	2017/07/10	11:00:30	818.0000	1730.20	31.75	818.0000	1736.61	31.25	-6.41
419	2017/07/10	13:00:30	820.0000	1729.98	31.76	820.0000	1736.35	31.25	-6.37
420	2017/07/10	15:00:30	822.0000	1729.91	31.75	822.0000	1736.26	31.25	-6.35
421	2017/07/10	17:00:30	824.0000	1729.78	31.75	824.0000	1736.34	31.24	-6.56
422	2017/07/10	19:00:30	826.0000	1729.86	31.75	826.0000	1736.22	31.24	-6.36
423	2017/07/10	21:00:30	828.0000	1729.86	31.75	828.0000	1736.26	31.24	-6.40
424	2017/07/10	23:00:30	830.0000	1729.68	31.75	830.0000	1736.02	31.24	-6.34
425	2017/07/11	01:00:30	832.0000	1729.50	31.75	832.0000	1735.89	31.24	-6.39
426	2017/07/11	03:00:30	834.0000	1729.41	31.75	834.0000	1735.85	31.24	-6.44
427	2017/07/11	05:00:30	836.0000	1729.26	31.75	836.0000	1735.73	31.24	-6.47
428	2017/07/11	07:00:30	838.0000	1729.30	31.75	838.0000	1735.67	31.24	-6.37
429	2017/07/11	09:00:30	840.0000	1729.21	31.75	840.0000	1735.52	31.24	-6.31
430	2017/07/11	11:00:30	842.0000	1728.97	31.75	842.0000	1735.41	31.24	-6.44
431	2017/07/11	13:00:30	844.0000	1728.89	31.75	844.0000	1735.26	31.24	-6.37
432	2017/07/11	15:00:30	846.0000	1728.83	31.75	846.0000	1735.27	31.24	-6.44
433	2017/07/11	17:00:30	848.0000	1728.91	31.73	848.0000	1735.26	31.24	-6.35
434	2017/07/11	19:00:30	850.0000	1728.96	31.75	850.0000	1735.90	31.24	-6.94
435	2017/07/11	21:00:30	852.0000	1728.96	31.74	852.0000	1735.53	31.24	-6.57
436	2017/07/11	23:00:30	854.0000	1728.93	31.75	854.0000	1735.33	31.24	-6.40
437	2017/07/12	01:00:30	856.0000	1728.94	31.75	856.0000	1735.36	31.24	-6.42
438	2017/07/12	03:00:30	858.0000	1728.87	31.74	858.0000	1735.29	31.23	-6.42
439	2017/07/12	05:00:30	860.0000	1728.84	31.75	860.0000	1735.31	31.24	-6.47
440	2017/07/12	07:00:30	862.0000	1728.84	31.75	862.0000	1735.19	31.24	-6.35

LOWER Serial Number: V7U Start Date: 2017/06/06 09:00:30 Run Depth: 1031.00
UPPER Serial Number: V7V Start Date: 2017/06/06 09:00:30 Run Depth: 1031.00
Print Filter: Print every 2 hour

TUNDRA OIL & GAS PARTNERSHIP
103/16-36-007-29W1/00
Start Test Date: 2017/06/06
Final Test Date: 2017/07/12

RESERVOIR PRESSURE SURVEY
RECORDERS @ 1031 mKBMD (957.527 TVD)

TUNDRA SUNCLAIR UNIT 11 HZNTL A16-36-7-29
Formation: BAKKEN

	LOWER Date yyyy/mm/dd	LOWER Clk Time hh:mm:ss	LOWER Time hr	LOWER Pres. kPa(a)	LOWER Temp. °C	UPPER Time hr	UPPER Pres. kPa(a)	UPPER Temp. °C	Diff. G1 - G2 kPa
441	2017/07/12	08:55:00	863.9083	1728.72	31.74	863.9083	1735.17	31.23	-6.45
442	2017/07/12	08:55:00	863.9083	FINAL PRESSURE, UNSETTING BRIDGE PLUG					
443	2017/07/12	08:55:30	863.9167	1728.75	31.74	863.9167	9335.55	31.35	-7606.80
444	2017/07/12	08:56:00	863.9250	9566.07	31.82	863.9250	9478.31	31.32	87.76
445	2017/07/12	08:56:00	863.9250	BRIDGE PLUG UNSET					
446	2017/07/12	08:56:30	863.9333	9495.81	31.82	863.9333	9474.81	31.33	21.00
447	2017/07/12	09:00:30	864.0000	9460.84	31.79	864.0000	9440.53	31.29	20.31
448	2017/07/12	10:03:00	865.0417	9763.54	28.72	865.0417	9743.32	28.22	20.22
449	2017/07/12	10:03:00	865.0417	TOOLS ARE PULLED FROM WELL BY THE SERVICE RIG					
450	2017/07/12	10:03:30	865.0500	9437.97	28.49	865.0500	9630.15	27.95	-192.18
451	2017/07/12	11:00:30	866.0000	112.49	16.74	866.0000	117.70	16.01	-5.21
452	2017/07/12	11:05:00	866.0750	102.14	16.68	866.0750	111.97	15.95	-9.83
453	2017/07/12	11:05:00	866.0750	RECORDERS AT SURFACE					
454	2017/07/12	11:05:30	866.0833	102.20	16.68	866.0833	111.78	15.96	-9.58
455	2017/07/12	13:00:30	868.0000	102.73	29.26	868.0000	112.21	25.26	-9.48
456	2017/07/12	15:00:30	870.0000	103.17	25.24	870.0000	111.99	25.29	-8.82
457	2017/07/12	17:00:30	872.0000	103.00	23.75	872.0000	112.20	23.23	-9.20
458	2017/07/12	19:00:30	874.0000	102.88	23.63	874.0000	111.62	21.55	-8.74
459	2017/07/12	21:00:30	876.0000	103.20	18.75	876.0000	111.43	17.48	-8.23
460	2017/07/12	22:00:00	876.9917	103.53	17.01	876.9917	111.94	15.94	-8.41

LOWER Serial Number: V7U Start Date: 2017/06/06 09:00:30 Run Depth: 1031.00
UPPER Serial Number: V7V Start Date: 2017/06/06 09:00:30 Run Depth: 1031.00
Print Filter: Print every 2 hour



DATE: June 6 - July 12, 2017	COMPANY: Tundra Oil & Gas Ltd.
WELLNAME: Tundra Sinclair (16-35)Hz 16-36-007-29WPM	ADDRESS: Virden, MB
LOCATION: (16-35)16-36-007-29WPM	UWI:103.16-369-007-29W1.00
FIELD: Sinclair	FORMATION: Bakken
CO HQ REP: Chris [REDACTED]	PHONE: 204-851-2146
FIELD REP: Scott [REDACTED]	PHONE: 306-482-7216

REPORTS TO (NAME & EMAIL ADDRESS):

Brett [REDACTED] - brett.howell@tundraoilandgas.com
 Robert [REDACTED] - robert.prefontaine@tundraoilandgas.com
 Adam [REDACTED] - adam.berke@tundraoilandgas.com
 Shellanne [REDACTED] - shellanne.langlois@tundraoilandgas.com
 Allan [REDACTED] - allan.bertram@tundraoilandgas.com
 Bill [REDACTED] - bill.jenkins@tundraoilandgas.com
 Chris [REDACTED] - chris.perkins@tundraoilandgas.com
 Craig [REDACTED] - craig.lane@tundraoilandgas.com
 Eric [REDACTED] - eric.bjornsson@tundraoilandgas.com
 Jane [REDACTED] - jane.mctaggart@tundraoilandgas.com
 Anh [REDACTED] - anh.hguyen@tundraoilandgas.com
 Justin [REDACTED] - justin.robertson@tundraoilandgas.com
 Andrew [REDACTED] - andrew.taylor@tundraoilandgas.com
 Tim [REDACTED] - tim.howell@tundraoilandgas.com
 Tyler [REDACTED] - tyler.routledge@tundraoilandgas.com
 Geoff [REDACTED] - geoff.puckett@tundraoilandgas.com
 Kim [REDACTED] - kim.cowan@tundraoilandgas.com
 Abhy [REDACTED] - abhy.pandey@tundraoilandgas.com
 Chris [REDACTED] - chris.elliott@tundraoilandgas.com

STATUS: oil well (completion)		TEST TYPE: build up
ESTIMATED H2S CONTENT: 0%		ESTIMATED CO2 CONTENT: 0%
PRODUCING THROUGH: tubing		SHUT IN TIME/DATE: 09:59 June 6, 2017
KOP: 774 mKB	TVD: see survey	LICENCE #: 10488
PBTD: n/a	TD: 2507.0 mKB	WELL TYPE: horizontal
CASING SIZE: 177.8 mm	CSG WEIGHT: 34.22 & 29.76 kg/m	CSG DEPTH: 1087.0 mKB
TUBING SIZE: none	TBG WEIGHT: n/a	TBG DEPTH: n/a
Elevations KB: 512.14 m	GRD: 508.04 m	CF: 508.24 m

PRODUCING INTERVAL

TYPE: open hole	SIZE: 159 mm	INTERVAL: 1087.0 - 2507.0 mKB
-----------------	--------------	-------------------------------

RECORDER INFORMATION

TOP S/N: V7V	FILE NAME: 16-35-16-36-7-29w1,9379.t	RANGE: 20,680 kPa
BOTTOM S/N: V7U	FILE NAME: 16-35-16-36-7-29w1,9379.b	RANGE: 20,680 kPa
TOP BATTERY S/N: n/a	BOTTOM BATTERY S/N: n/a	
CONNECT TIME: 09:00 June 6, 2017	DISCONNECT TIME: 10:24 July 18, 2017	

SURFACE TEMP: 30 deg C	LEASE CONDITION: good
WIRELINE OPERATOR: Bart [REDACTED]	PHONE: 306-421-9700
WIRELINE ASSISTANT: n/a	
DIRECTIONS:	

DWG WELL HEAD PRESSURES:

TUBING (before survey): 0 kPa	CASING (before survey): 0 kPa
TUBING (after survey): 0 kPa	CASING (after survey): 0 kPa

FLUID LEVEL: n/a	RUN DEPTH: 1031 mKB
TIME ON BOTTOM: 09:47 June 6, 2017	TIME OFF BOTTOM: 10:03 July 12, 2017

GRADIENT STOPS

DEPTH mKB:	none	FROM:	n/a	UNTIL:	n/a
------------	------	-------	-----	--------	-----

COMMENTS:

DESCRIPTION OF WORK DONE:

June 6, 2017

09:00 Recorders begin logging as they are ran into the well below a Tryton bridge plug by the drilling rig.

09:47 Tools are at set depth.

09:59 Bridge plug is set and the well is shut in.

July 12, 2017

08:54 Prep the well to unset the bridge plug.

08:56 The bridge plug is unset.

10:03 Tools are pulled from the well by the service rig.

11:05 Recorders are at surface.

July 18, 2017

10:14 Data is downloaded from the recorders.

Appendix C

Month	Average Monthly Injection Pressure (kPag)			
	102/01-27	102/09-27	102/04-35	102/13-35
Jan-15	-	-	-	-
Feb-15	-	-	-	-
Mar-15	-	-	-	-
Apr-15	-	-	-	-
May-15	-	-	-	-
Jun-15	-	-	-	-
Jul-15	-	-	-	-
Aug-15	-	-	-	-
Sep-15	-3	-	-	-
Oct-15	-82	-	-	-
Nov-15	-89	-	-	-
Dec-15	-88	-	-	-
Jan-16	-86	-	-	-
Feb-16	-6	-	-	-
Mar-16	301	-	-	-
Apr-16	98	-	-	-
May-16	1060	-	-	-
Jun-16	2246	-	-	-
Jul-16	4430	-	-	-
Aug-16	4406	-	-22	-
Sep-16	4943	-62	-71	-
Oct-16	4846	-81	-83	-
Nov-16	4643	-87	-85	-
Dec-16	4619	-84	-83	-
Jan-17	4711	-83	-84	-
Feb-17	4014	-83	66	-
Mar-17	4992	-84	611	-
Apr-17	4827	-84	445	-
May-17	5939	-84	78	-
Jun-17	6215	-83	129	-
Jul-17	6321	-82	219	-
Aug-17	5907	-85	124	-
Sep-17	3063	-91	-87	57
Oct-17	3215	-58	-59	-94
Nov-17	6136	-57	-45	-95
Dec-17	1533	-93	-92	-96

Appendix D
Rates and VRR Plots

Pattern: 02/01-27-007-29Inj Set: SinclairUnit#11

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 2.67 m3/m3

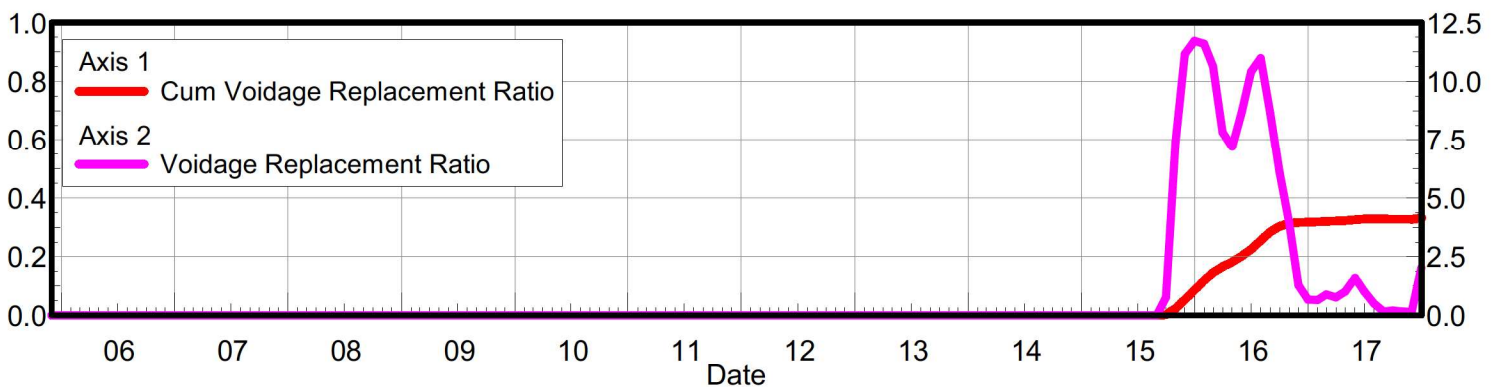
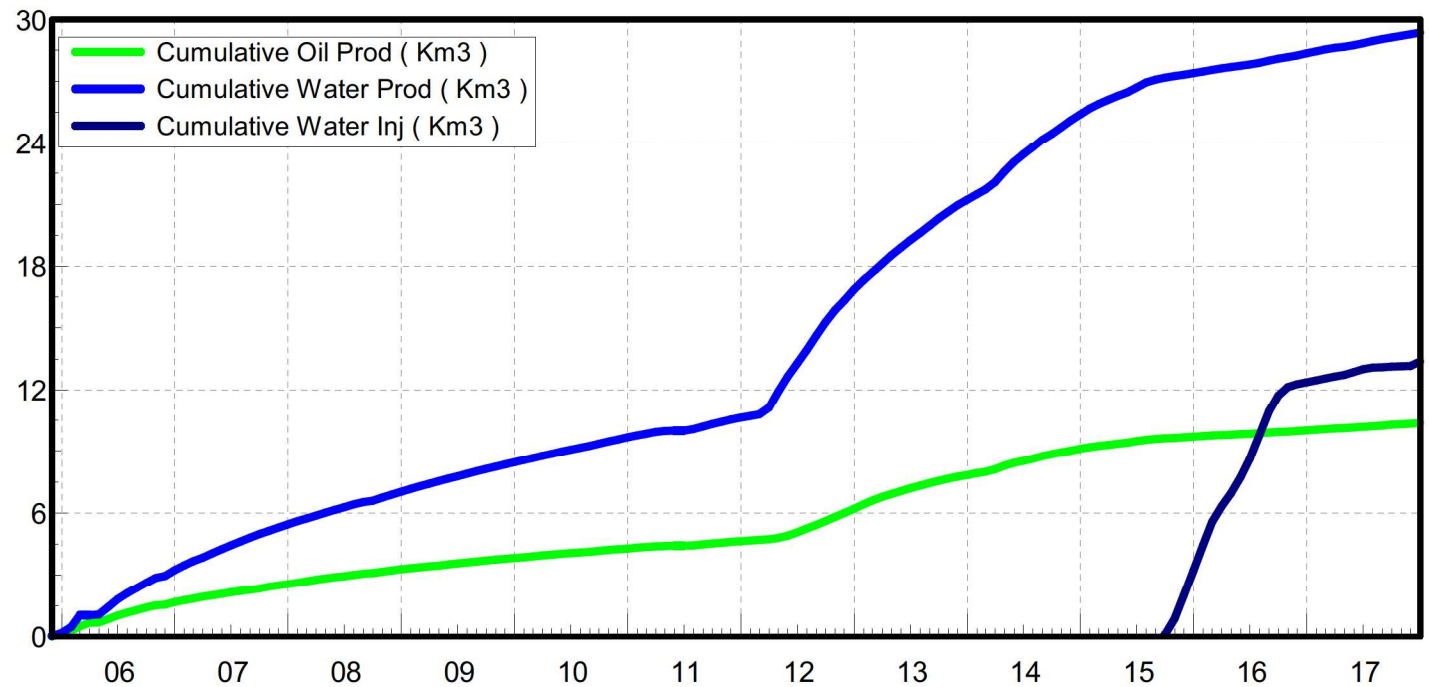
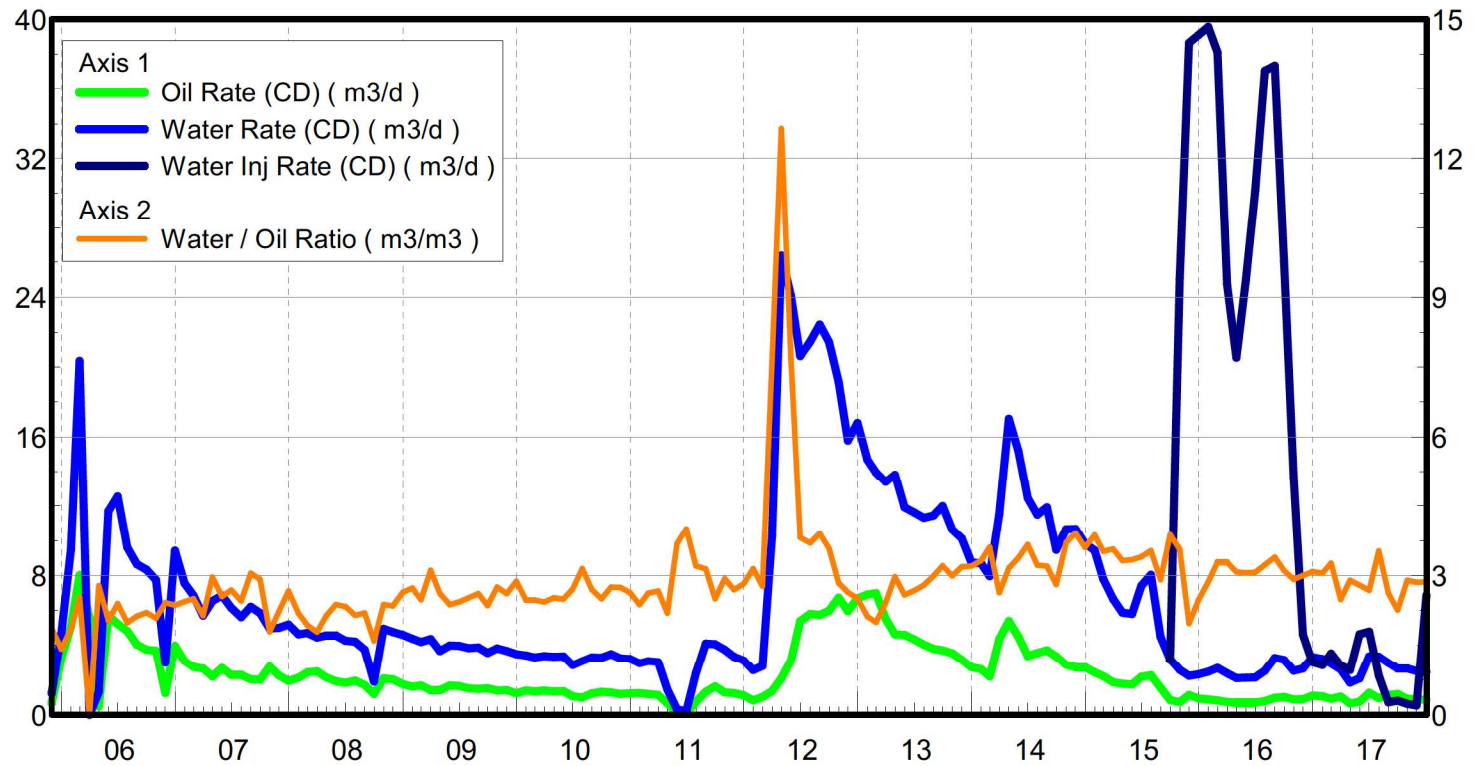
June 01, 2018

Operator: TUNDRA_OIL_AND_GAS_PARTNER

Oil Rate (CD) : 0.67 m3/d

Water Rate (CD) : 2.72 m3/d

Water Inj Rate (CD) : 17.50 m3/d



Pattern: 02/07-27-007-29Inj Set: SinclairUnit#11

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 3.18 m3/m3

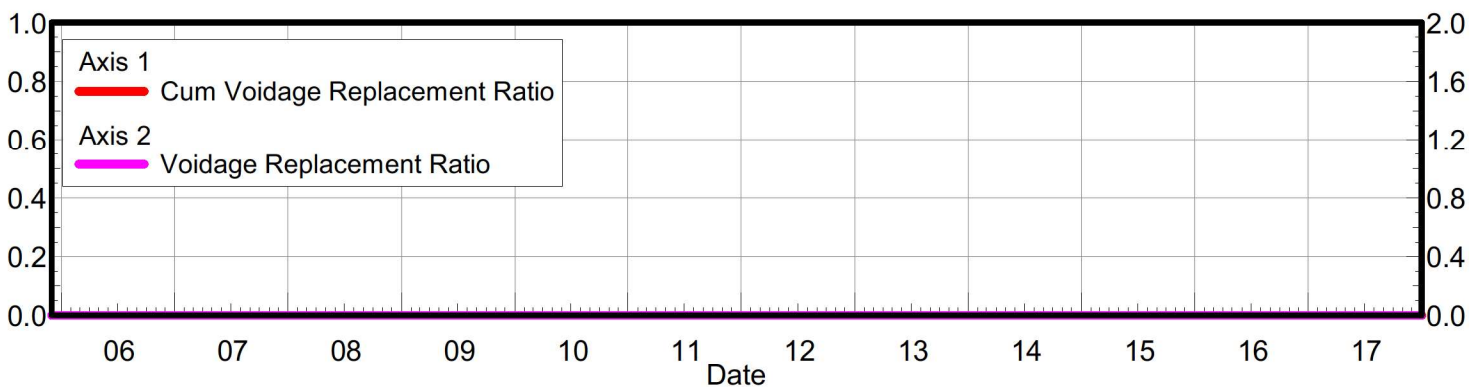
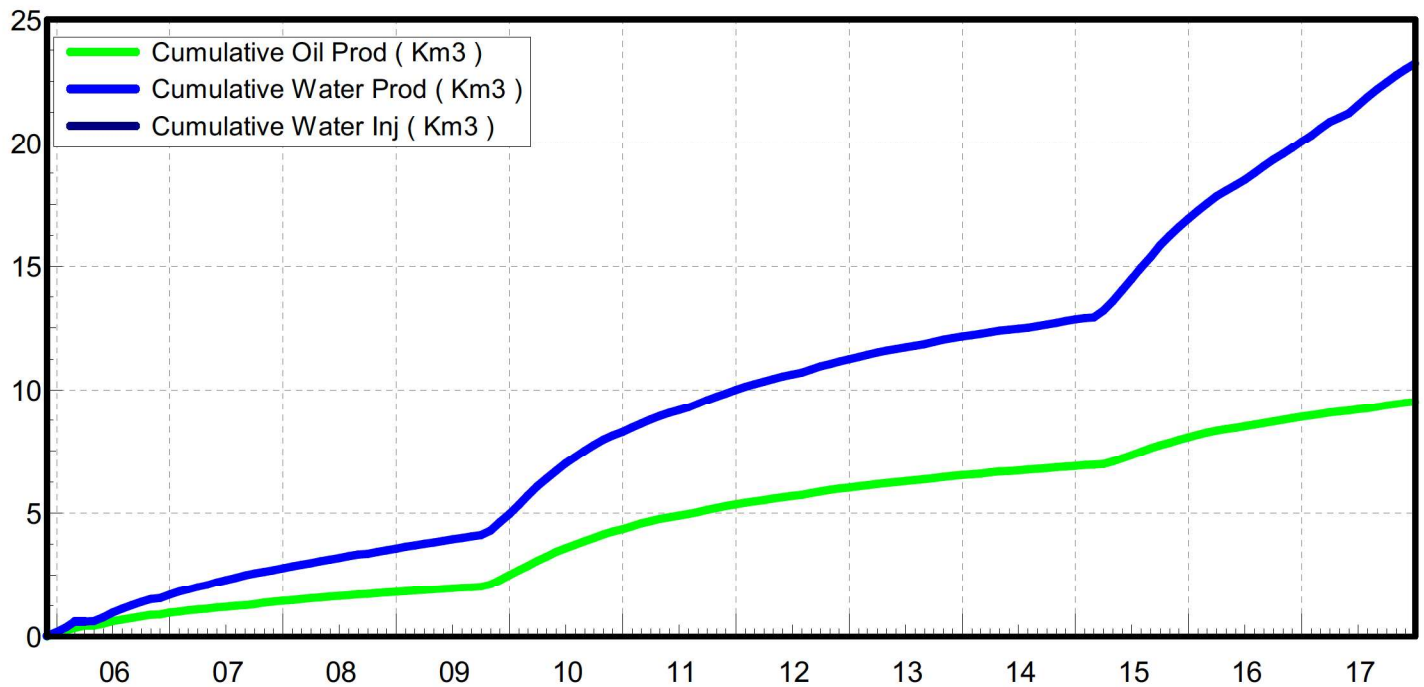
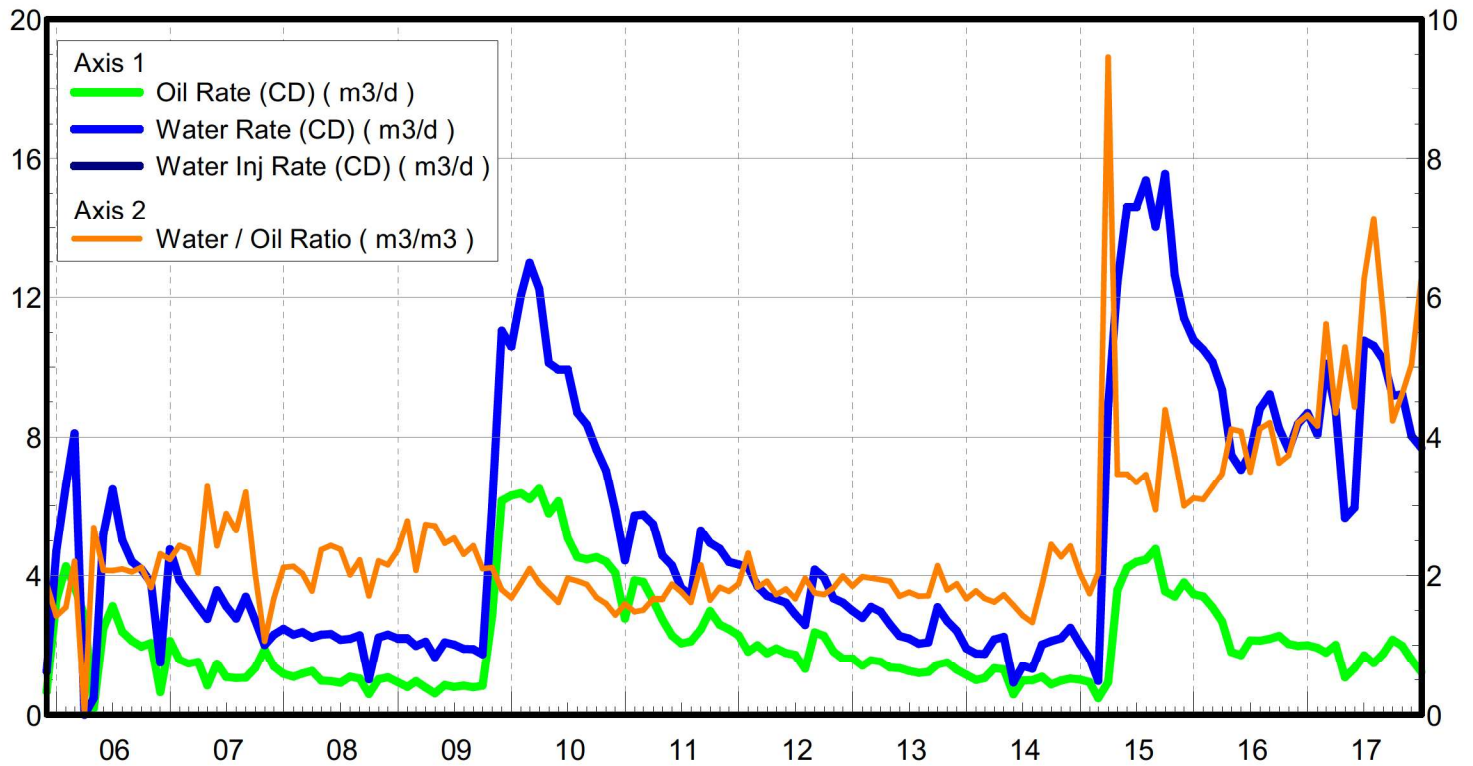
June 01, 2018

Operator: TUNDRA_OIL_AND_GAS_PARTNER

Oil Rate (CD) : 1.29 m3/d

Water Rate (CD) : 6.28 m3/d

Water Inj Rate (CD) : * m3/d



Pattern: 02/09-27-007-29Inj Set: SinclairUnit#11

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 1.06 m3/m3

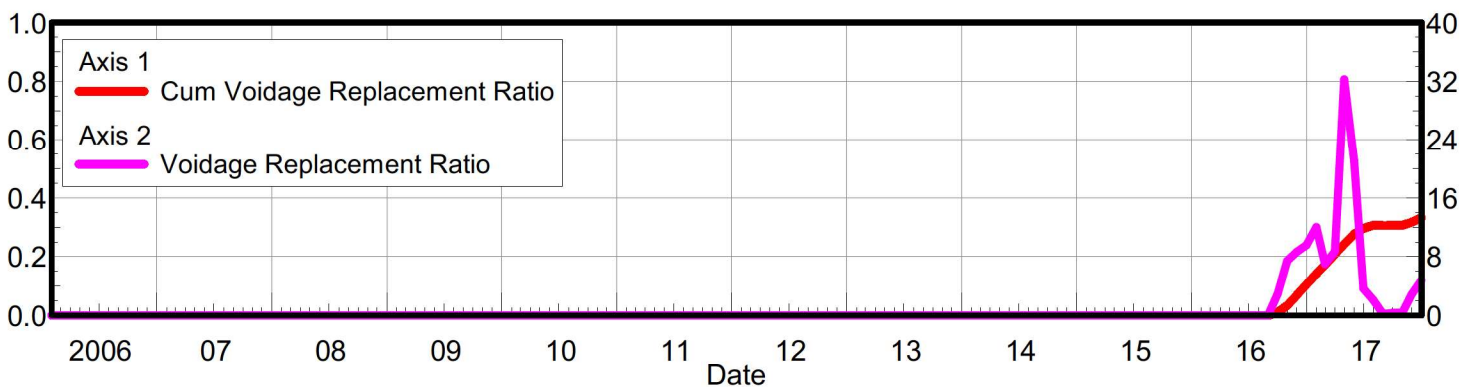
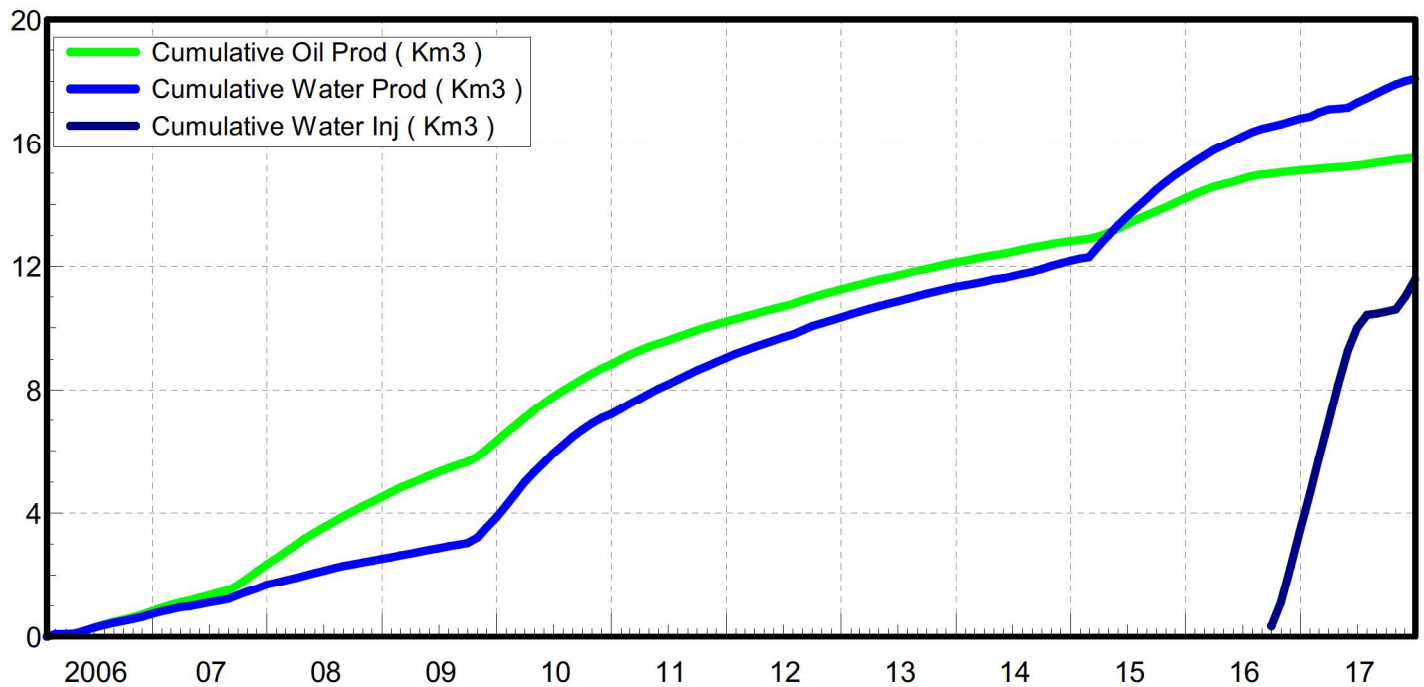
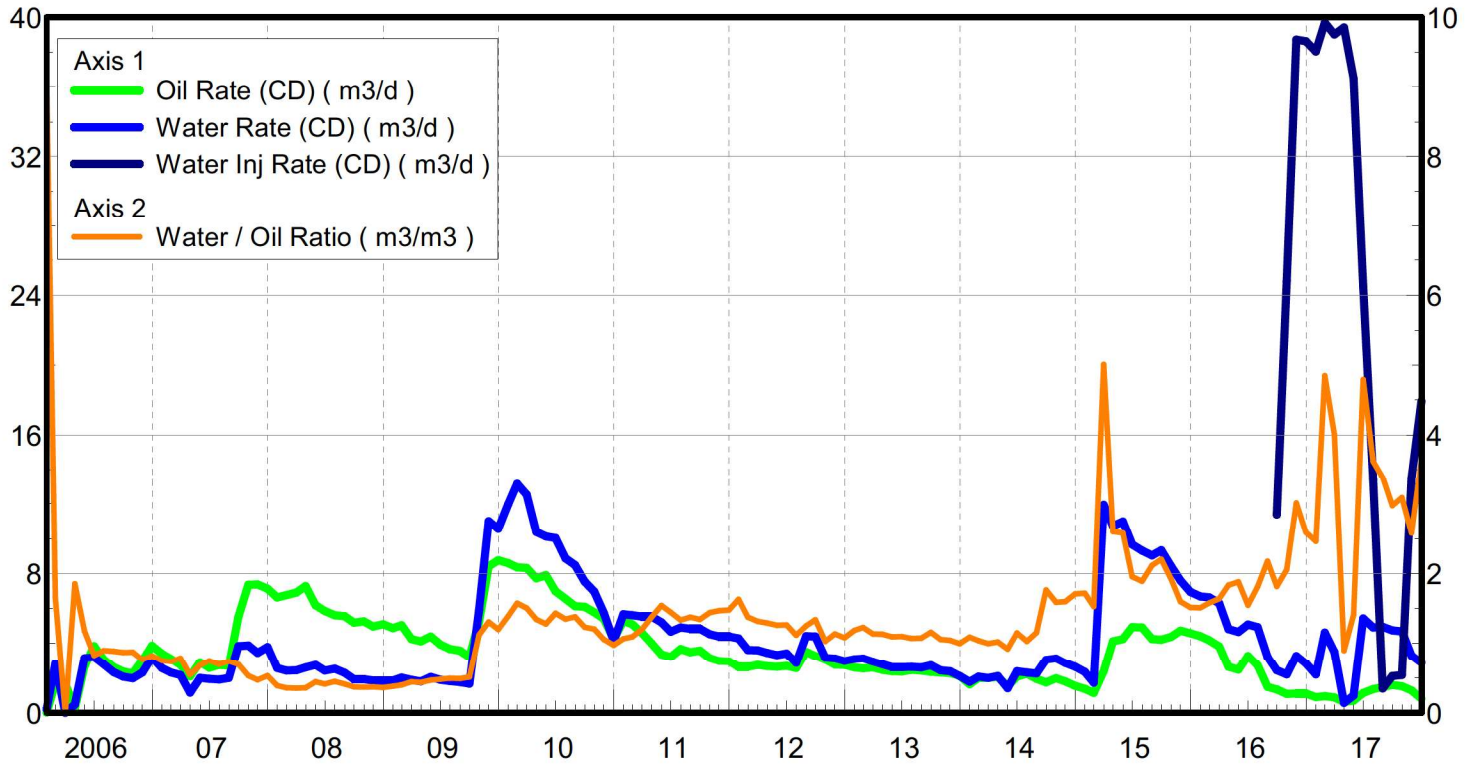
June 01, 2018

Operator: TUNDRA_OIL_AND_GAS_PARTNER

Oil Rate (CD) : 0.70 m3/d

Water Rate (CD) : 0.77 m3/d

Water Inj Rate (CD) : 19.79 m3/d



Pattern: 02/16-34-007-29Inj Set: SinclairUnit#11

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 1.14 m3/m3

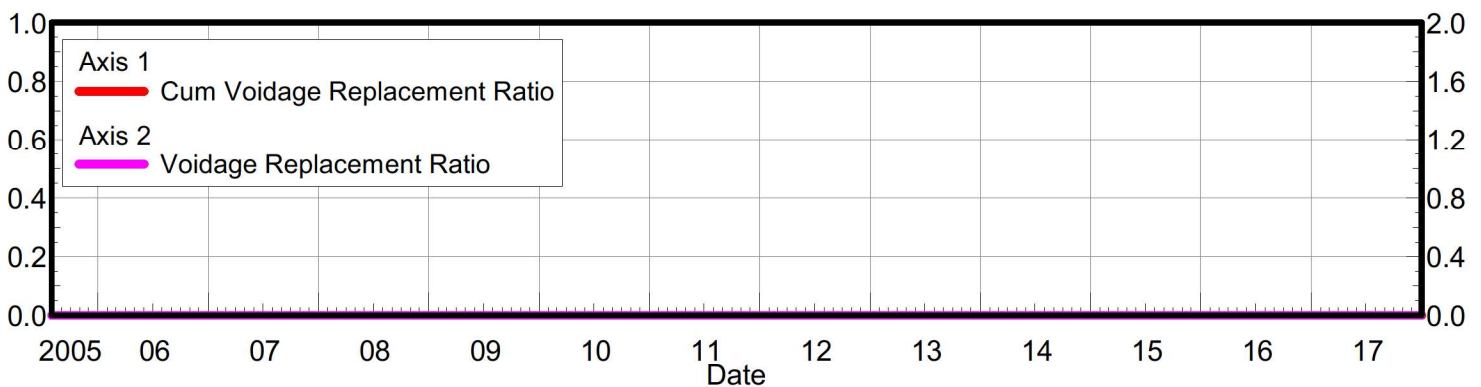
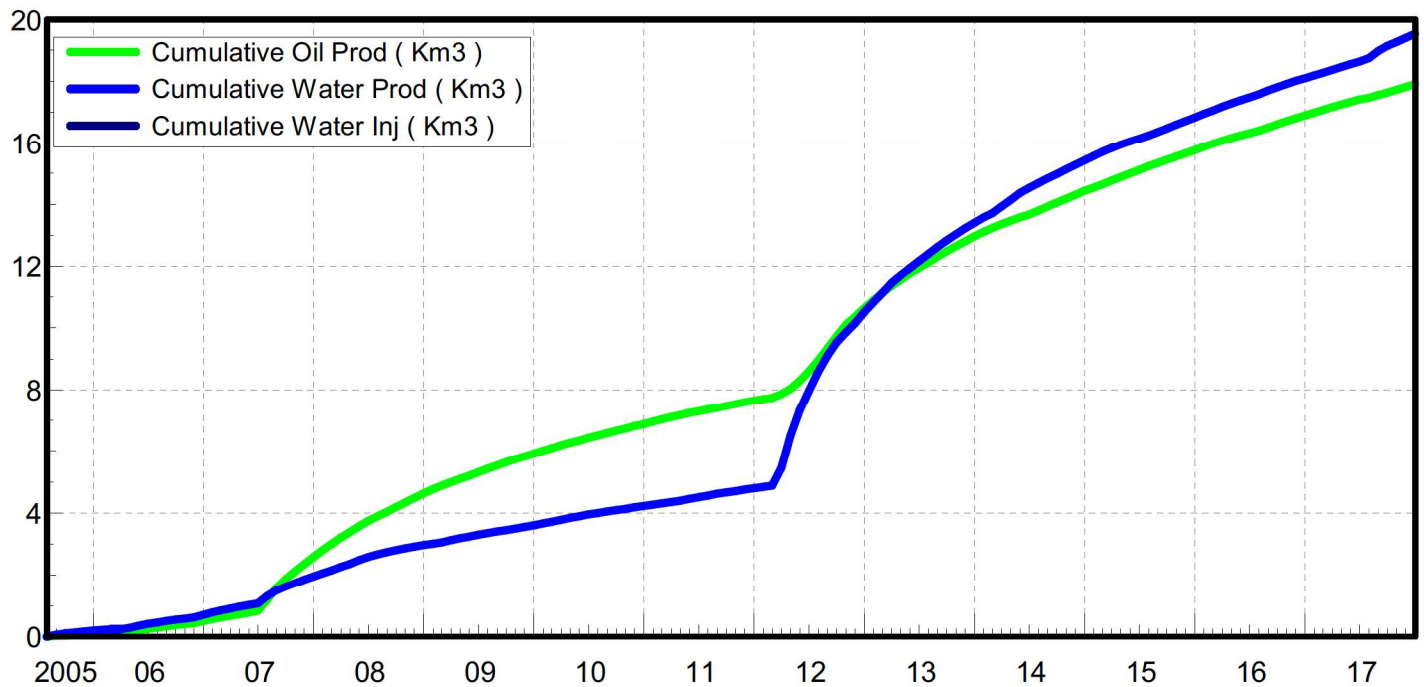
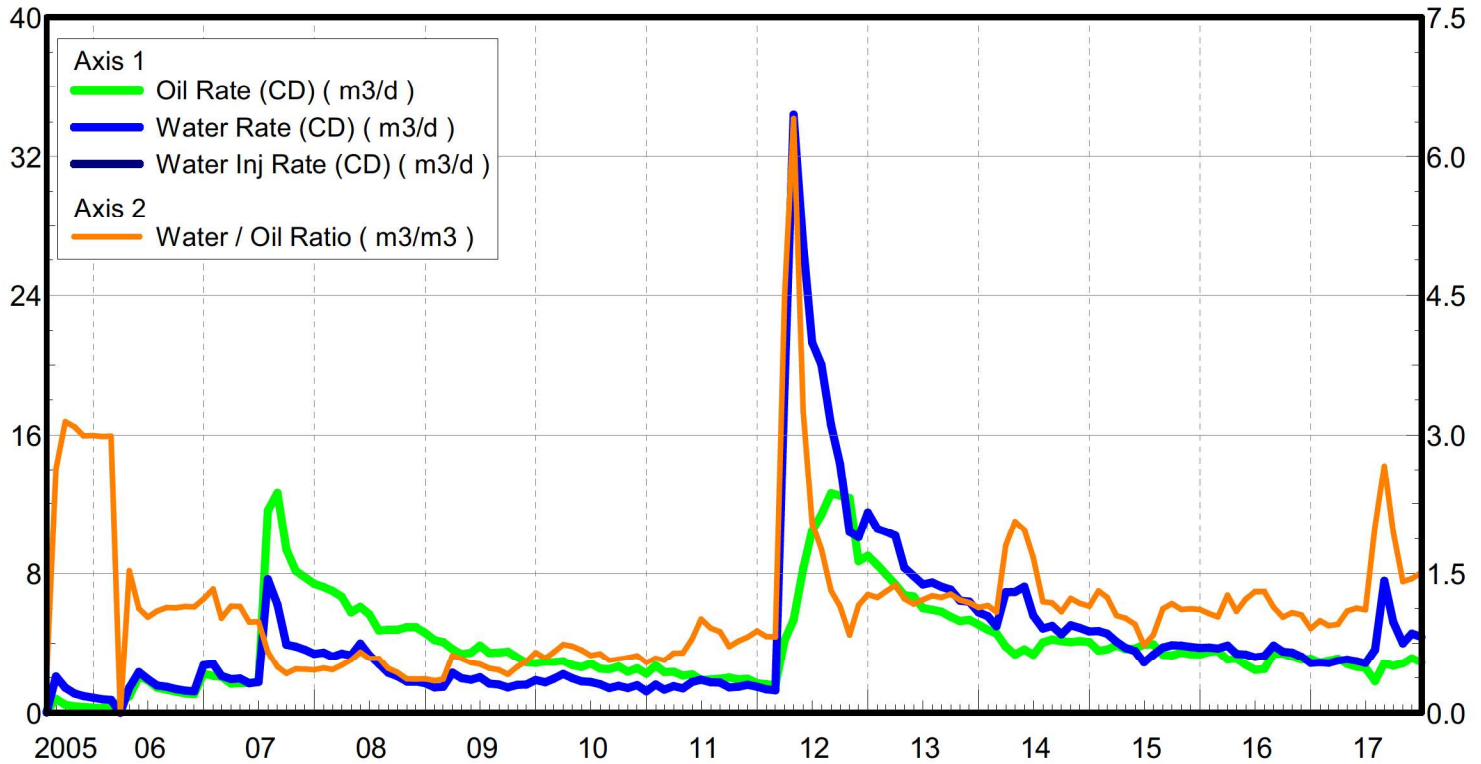
June 01, 2018

Operator: TUNDRA_OIL_AND_GAS_PARTNER

Oil Rate (CD) : 3.00 m3/d

Water Rate (CD) : 4.28 m3/d

Water Inj Rate (CD) : * m3/d



Pattern: 02/04-35-007-29Inj Set: SinclairUnit#11

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 2.32 m3/m3

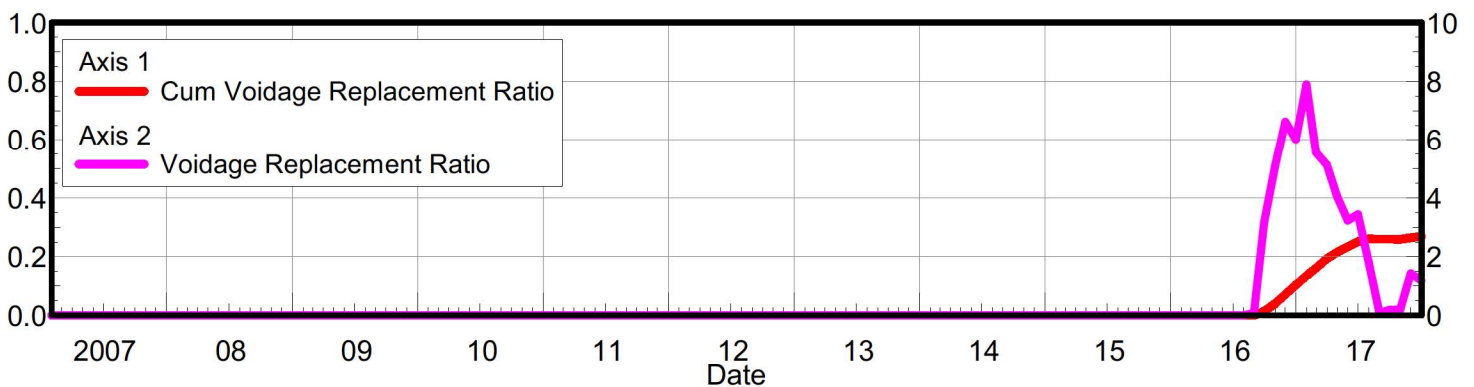
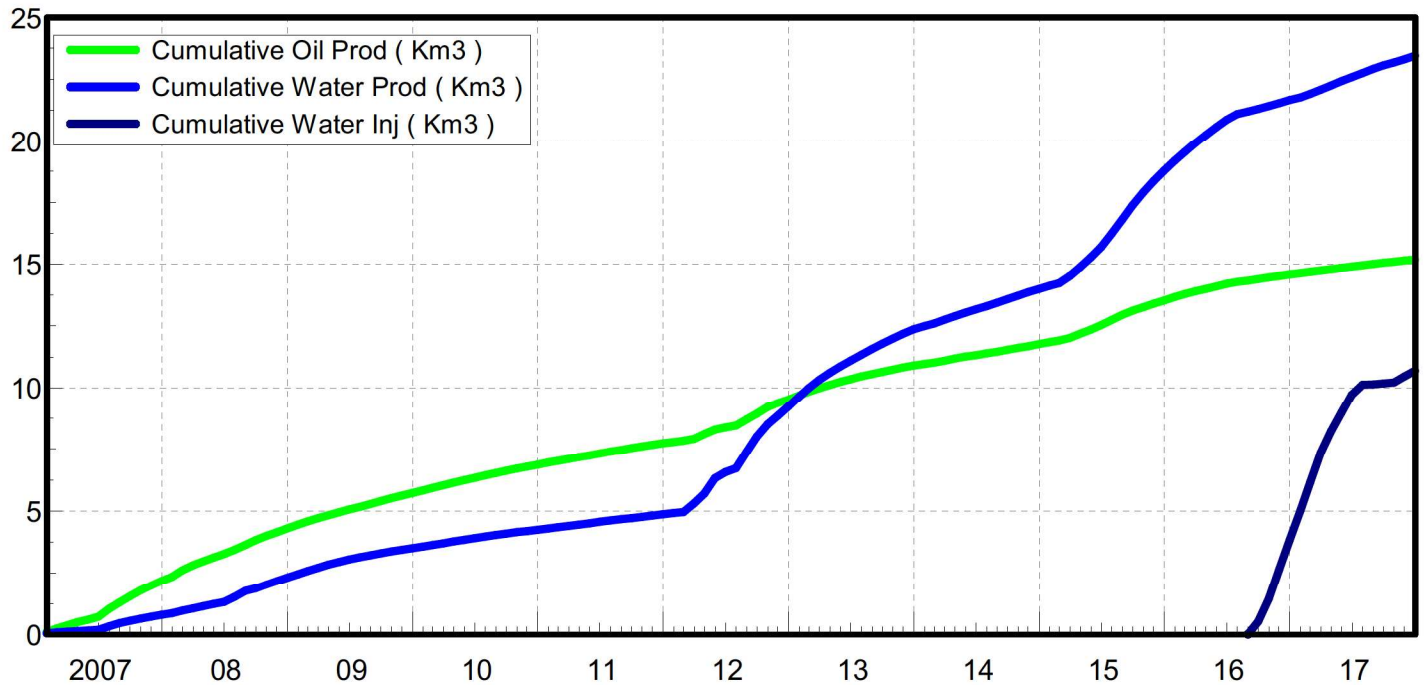
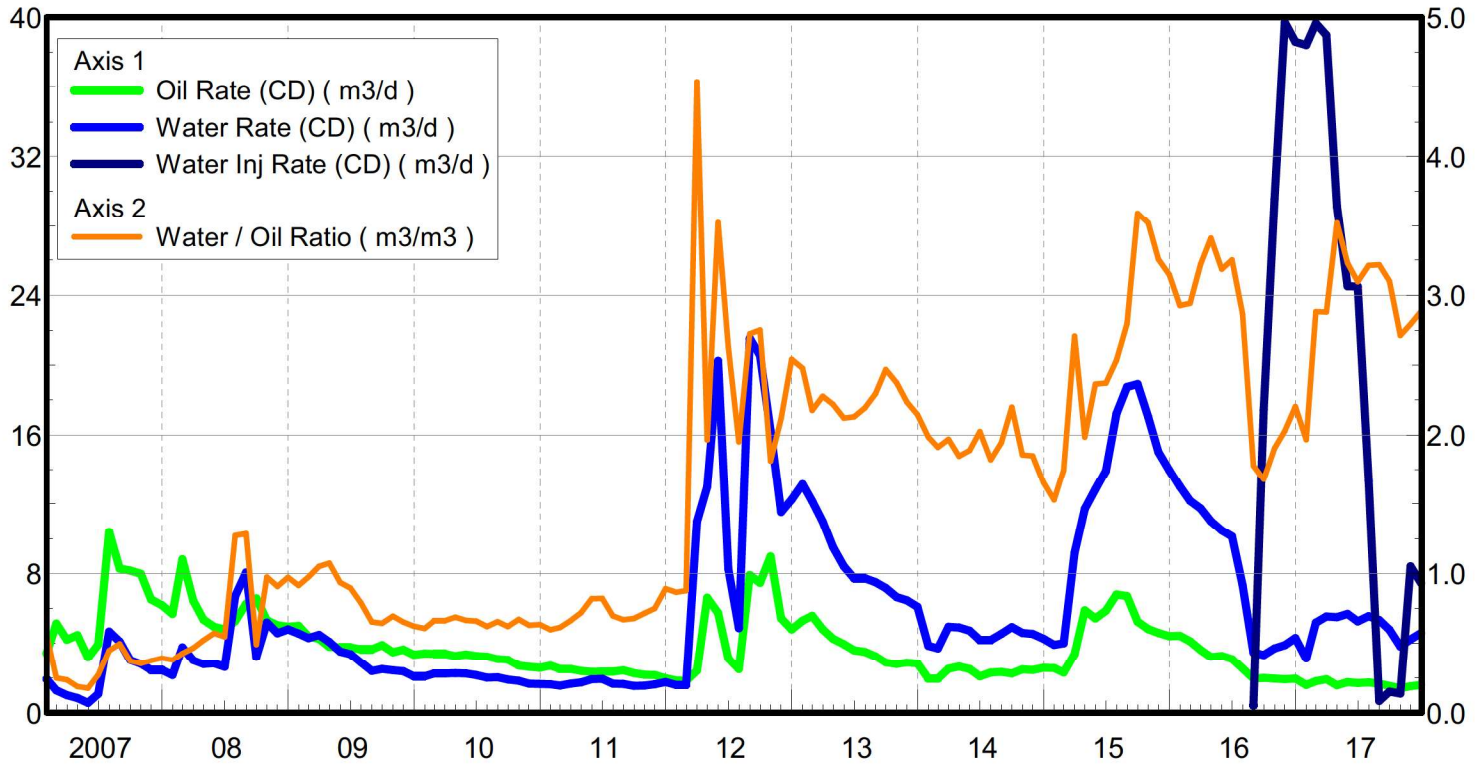
June 01, 2018

Operator: TUNDRA_OIL_AND_GAS_PARTNER

Oil Rate (CD) : 1.51 m3/d

Water Rate (CD) : 4.41 m3/d

Water Inj Rate (CD) : 13.82 m3/d



Pattern: 02/13-35-007-29Inj Set: SinclairUnit#11

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 3.73 m3/m3

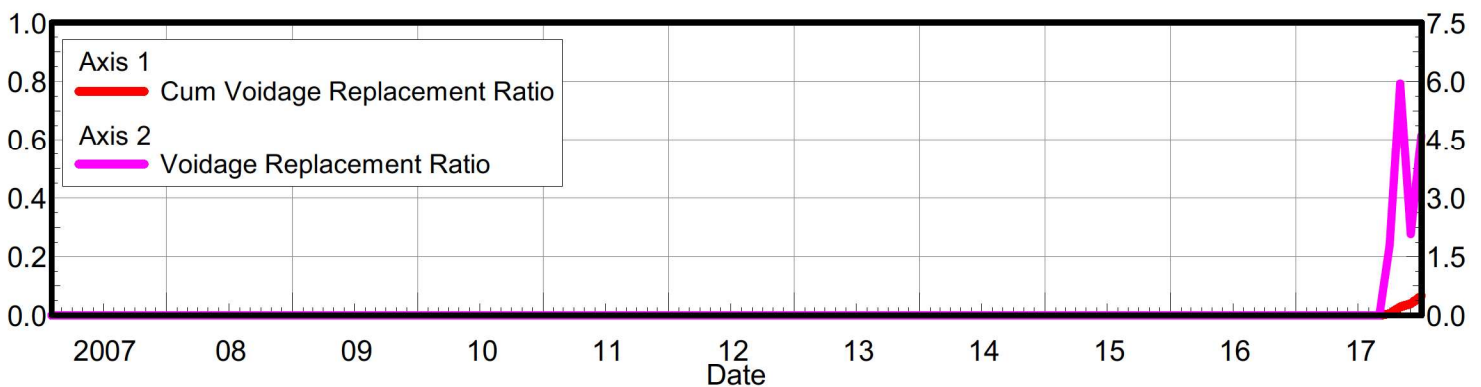
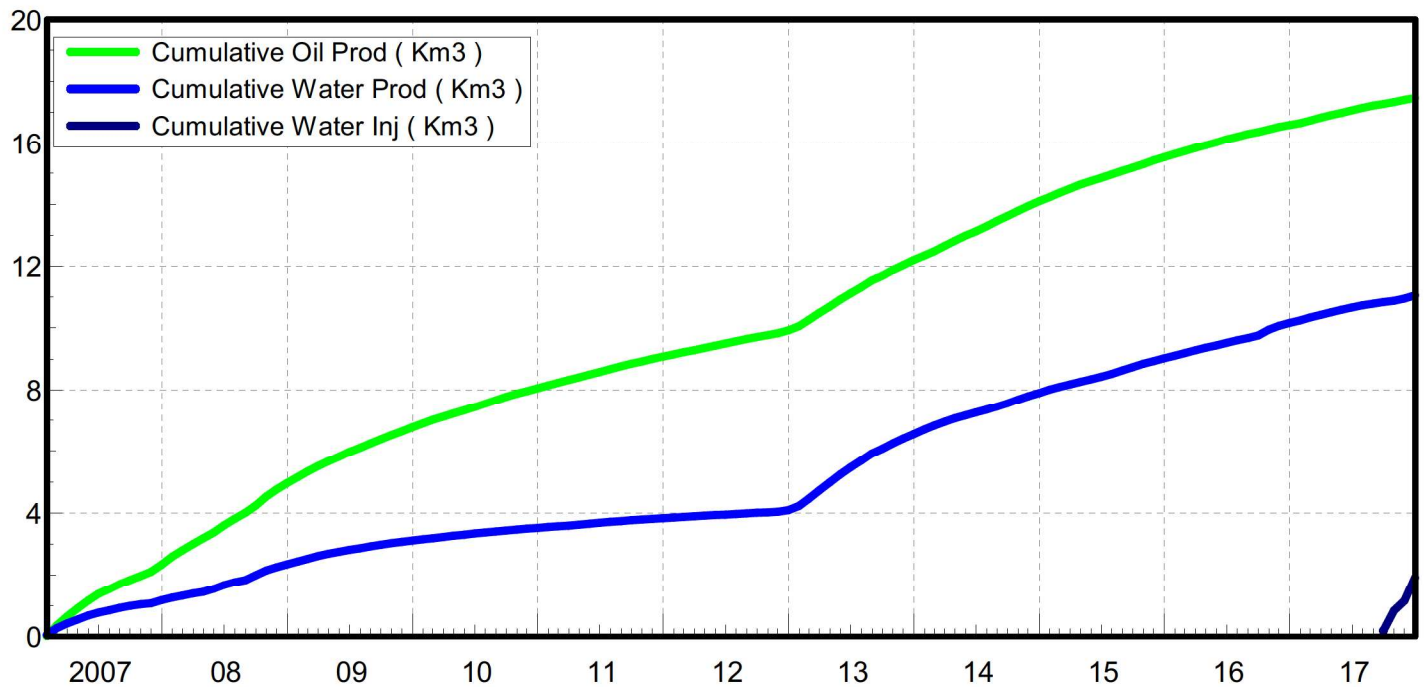
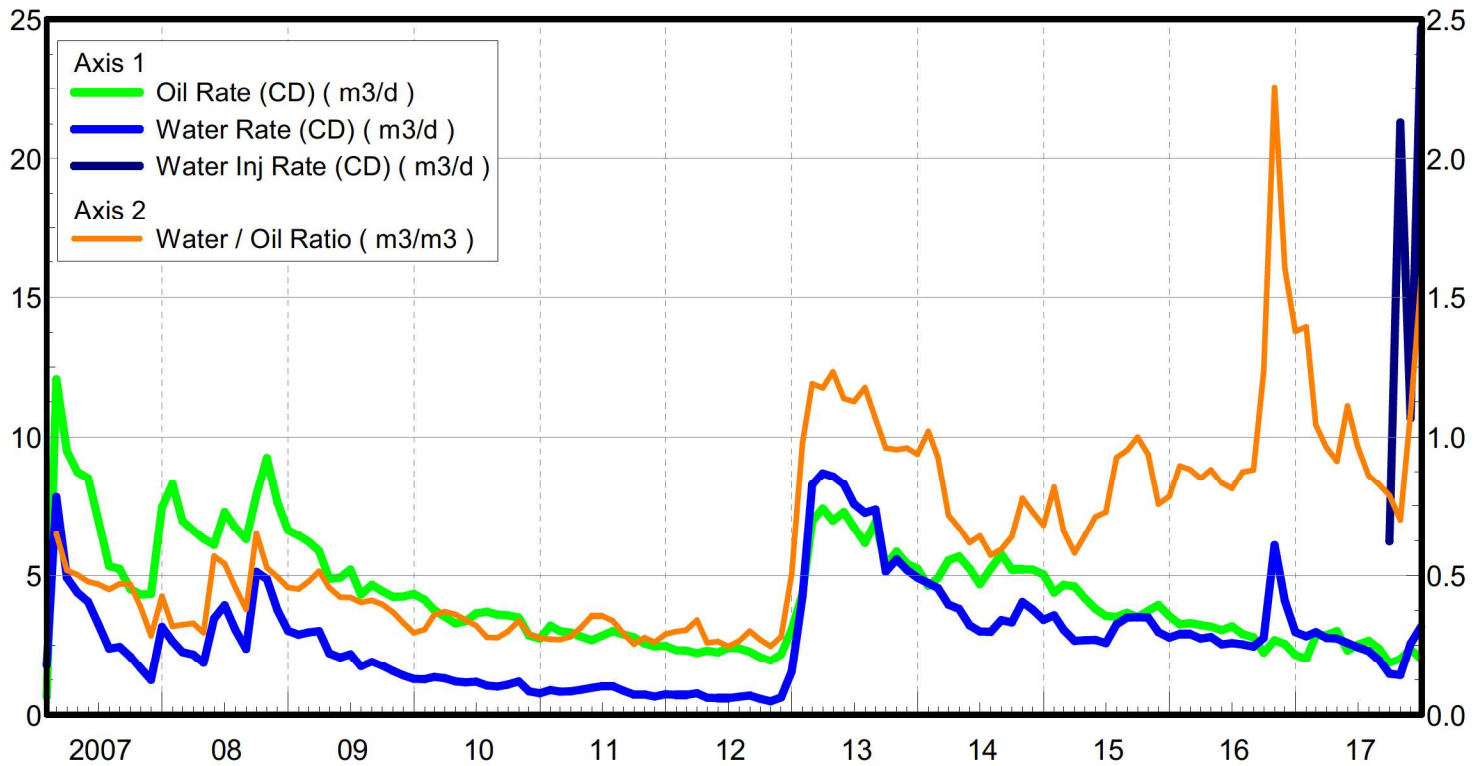
June 01, 2018

Operator: TUNDRA_OIL_AND_GAS_PARTNER

Oil Rate (CD) : 1.65 m3/d

Water Rate (CD) : 1.33 m3/d

Water Inj Rate (CD) : 32.39 m3/d



Pattern: 02/16-36-007-29Inj Set: SinclairUnit#11

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.31 m3/m3

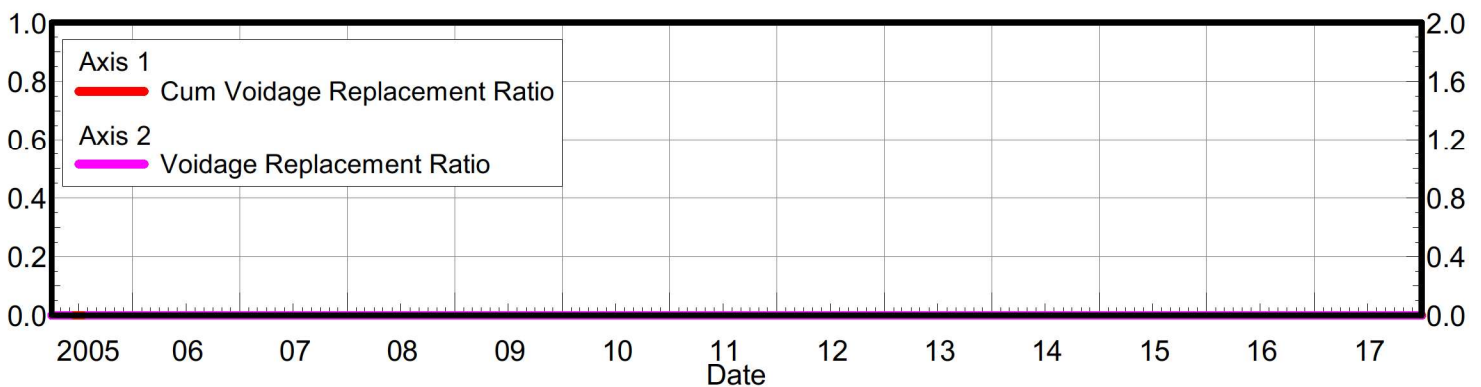
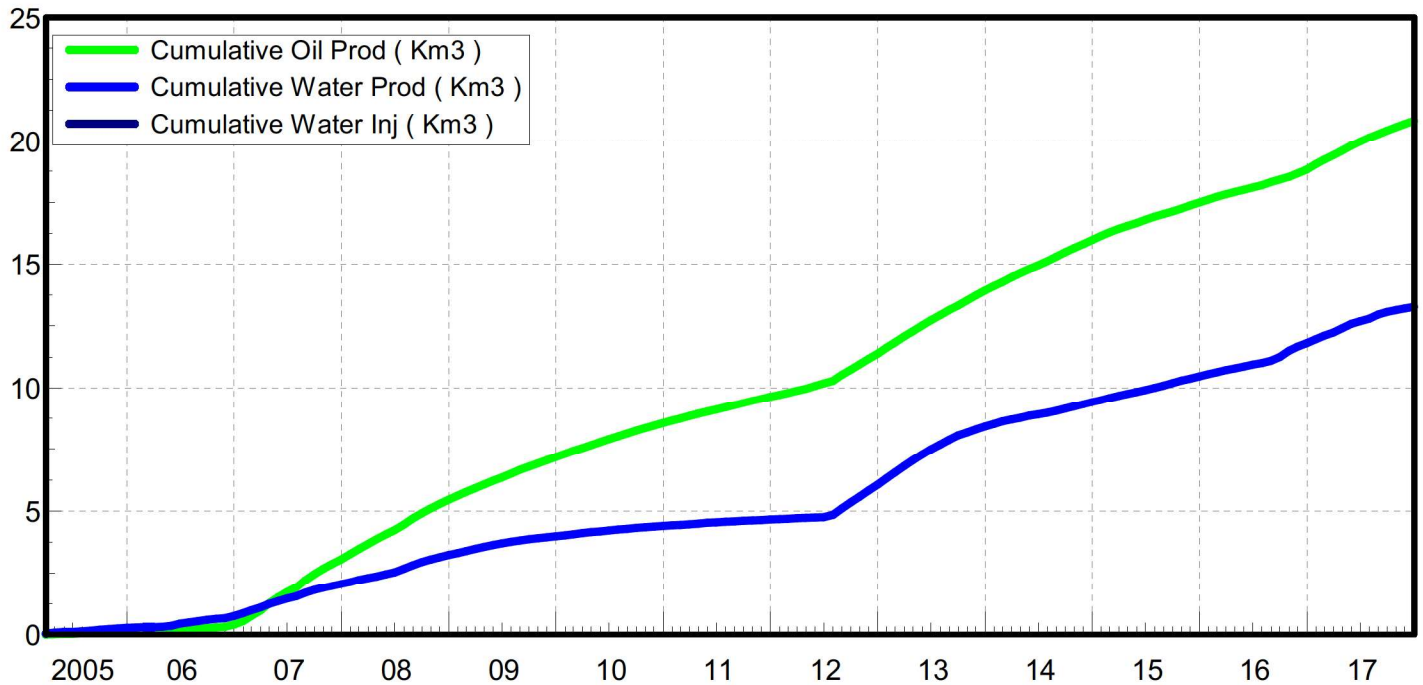
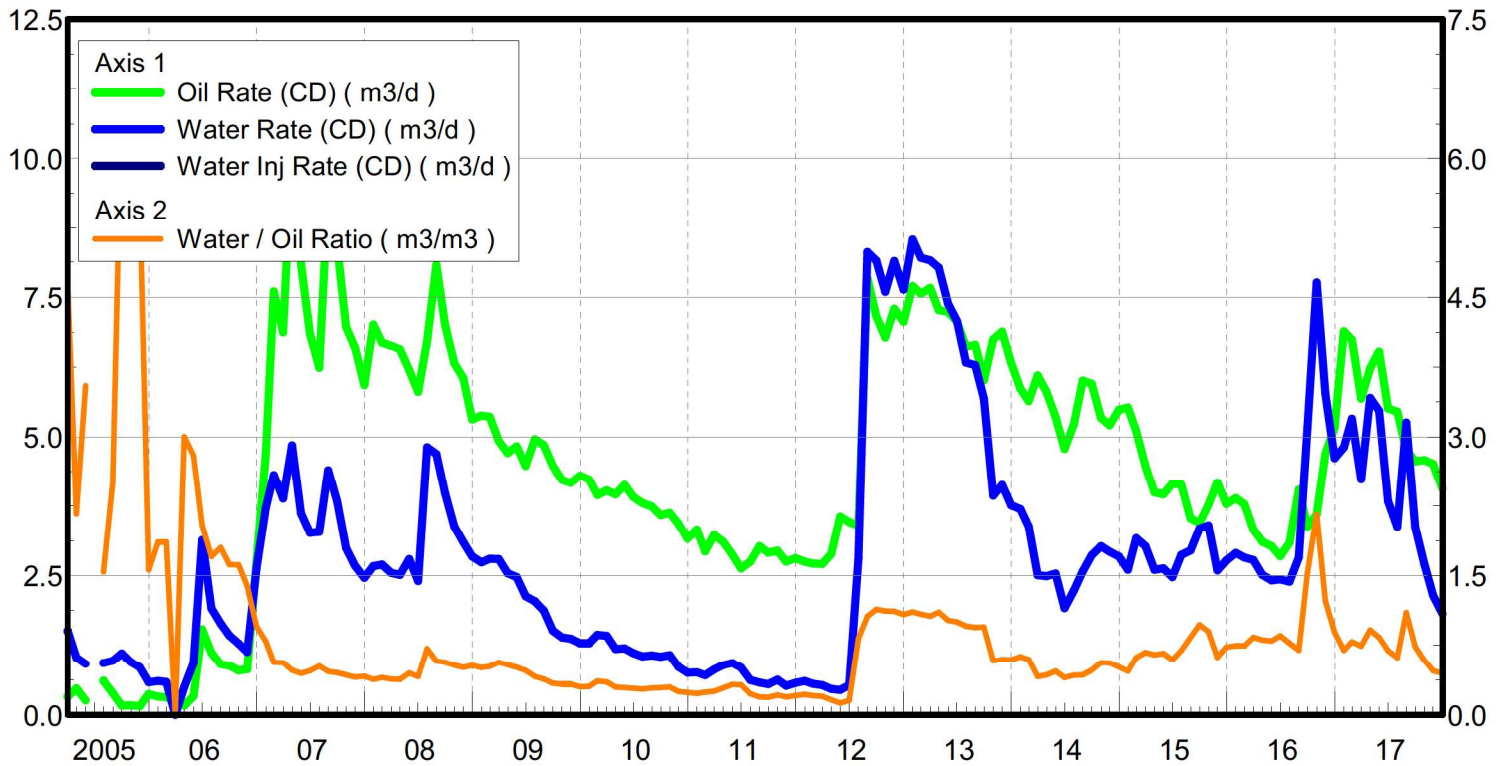
June 01, 2018

Operator: TUNDRA_OIL_AND_GAS_PARTNER

Oil Rate (CD) : 4.07 m3/d

Water Rate (CD) : 1.63 m3/d

Water Inj Rate (CD) : * m3/d



Pattern: 03/16-36-007-29Inj Set: SinclairUnit#11

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.25 m3/m3

June 01, 2018

Operator: TUNDRA_OIL_AND_GAS_PARTNER

Oil Rate (CD) : 2.52 m3/d

Water Rate (CD) : 1.27 m3/d

Water Inj Rate (CD) : * m3/d

