

**SINCLAIR UNIT NO. 8**  
**WATERFLOOD EOR PROJECT**  
  
**ANNUAL REPORT FOR 2012**

**March 15, 2013**

**Tundra Oil and Gas Partnership**

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Appendix C: Injector Pattern Production Rates and Cumulatives	

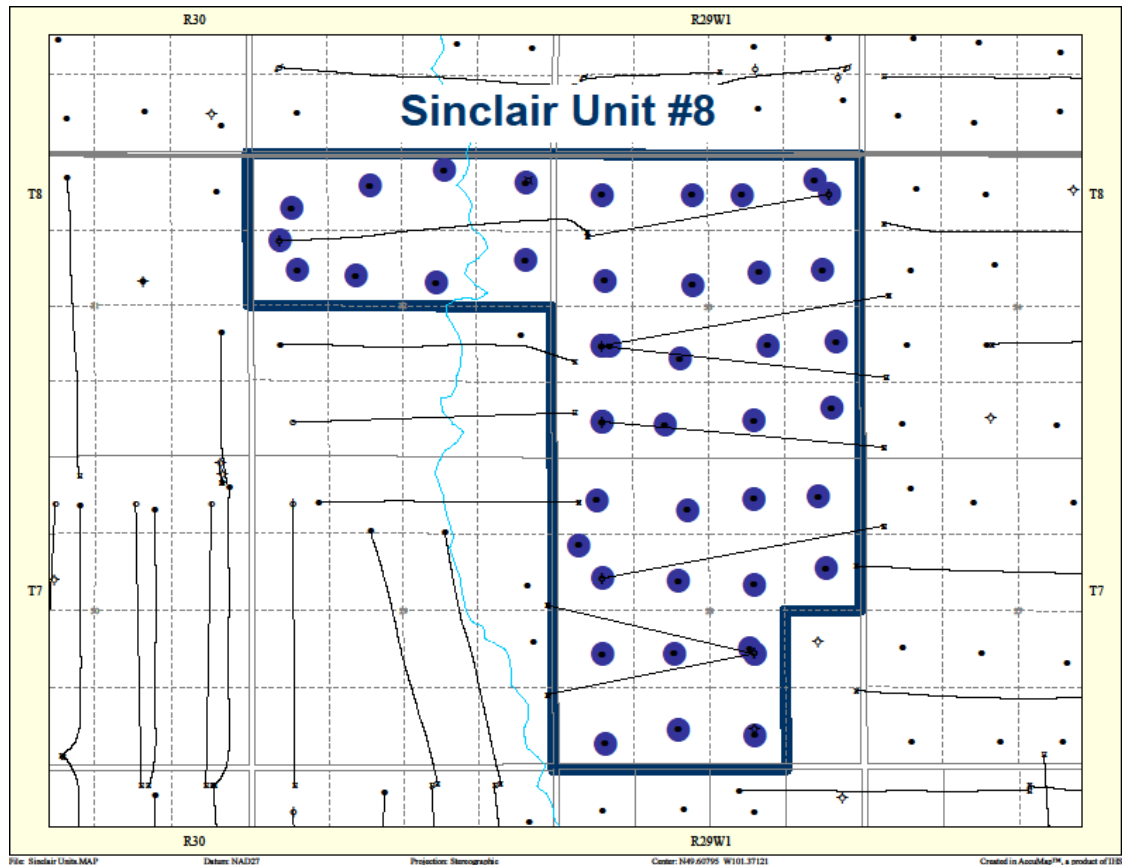
Plots and Tables for the following injectors:

102/07-28-007-29W1  
103/07-28-007-29W1  
102/12-28-007-29W1  
102/12-32-007-29W1  
102/04-33-007-29W1  
102/05-33-007-29W1  
103/05-33-007-29W1  
102/16-33-007-29W1

## **INTRODUCTION**

Sinclair Unit No. 8 was approved on December 30, 2011 with Tundra Oil and Gas (Tundra) as Operator. The Unit area contains 38 producing wells in 38 LSDs in Township 7 Range 29 W1 as shown in the figure below.

**Figure 1: Sinclair Unit 8 Area Outline**



In accordance with Section 73 of the Manitoba Drilling and Production Regulation, Tundra hereby submits the following 2012 Annual Progress Report for Sinclair Unit No. 8.

## **DISCUSSION**

### **Production History**

For the wells included in Sinclair Unit No. 8, production started in March 2004 with 00/12-28-007-29W1. Average oil production peaked at 3.3 m<sup>3</sup>/d per well in January of 2008. This production was coming from 38 wells and totaled 124 m<sup>3</sup>/d for the whole Unit. In December 2012, the Unit was producing 32.6 m<sup>3</sup>/d of oil and 25.4 m<sup>3</sup>/d of water. There

is currently no water injection in Sinclair Unit No. 8. The rates and WOR are presented in Figure 2.

**Figure 2: Sinclair Unit 8 Production/Injection Rates and WOR vs Time**

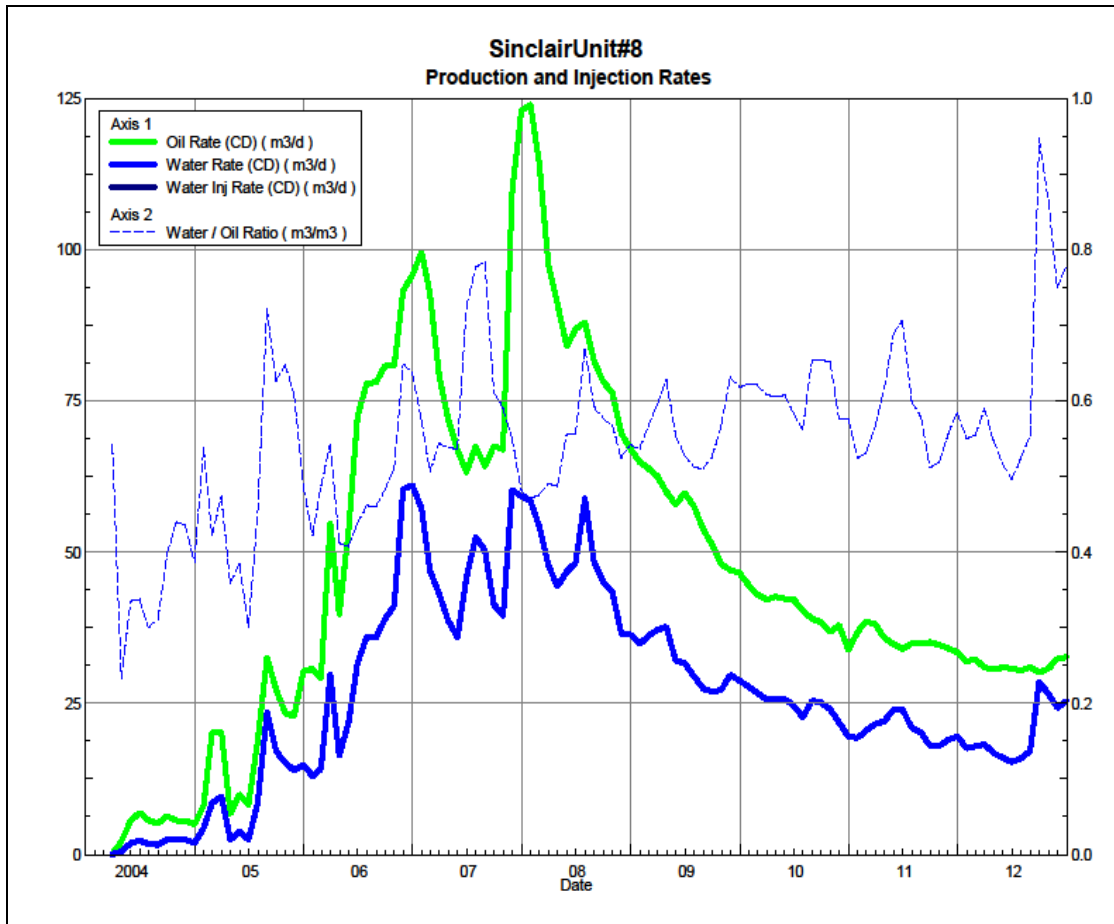
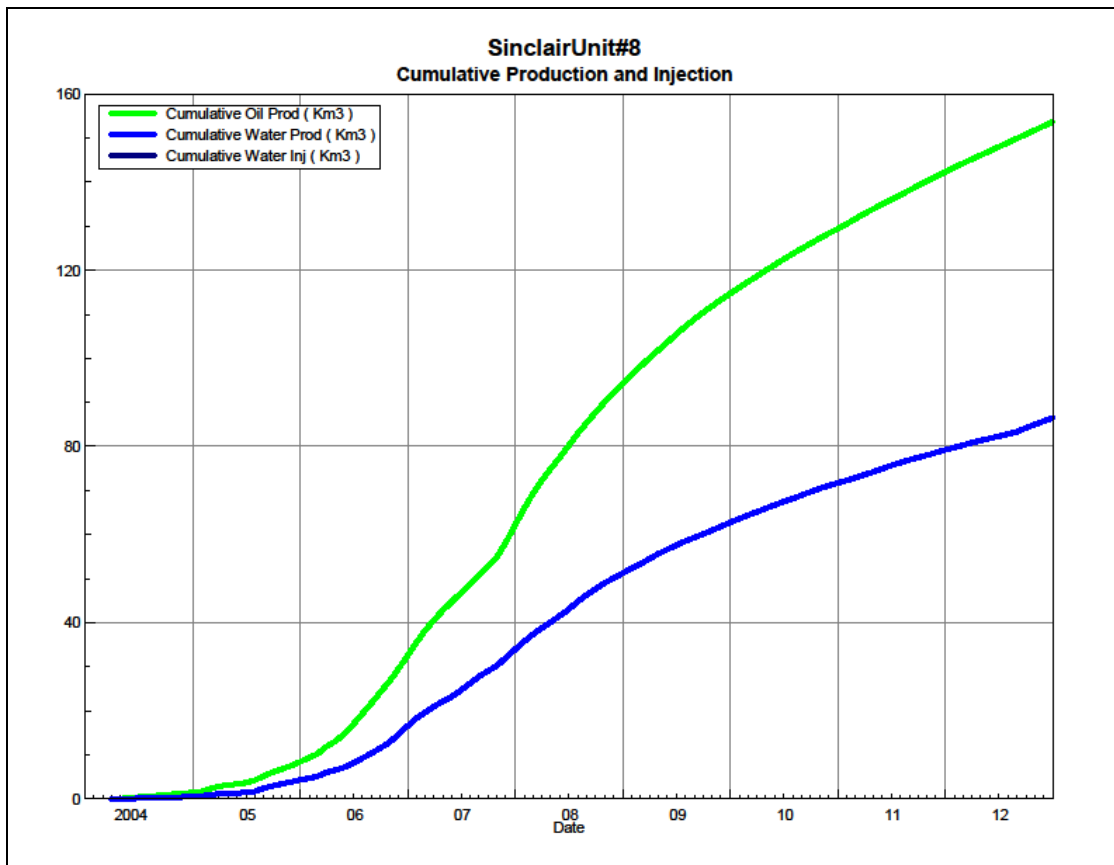


Figure 3 shows the cumulative production for Sinclair Unit No. 8 to the end of December 2012 as 154 E³m³ of oil, and 87 E³m³ of water, representing a 7.2 % recovery factor of the OOIP.

**Figure 3: Sinclair Unit 8 Cumulative Oil, Water and Water Injected vs Time**



## **Waterflood Development Plan**

### **Sinclair Unit No 8 Waterflood (WF) Development Plan**

Sinclair Unit No. 8 is still in the development phase at the end of 2012. In 2012, the 8 proposed horizontal injectors were drilled, 1 well is producing. In order to maximize recovery from this Unit, Tundra plans to produce all of the injectors for a short period of time to clean-up the reservoir near the wellbores prior to being converted into water injectors. All of the horizontal wells are fracture stimulated to improve the injection rates.

Production performance by injector pattern are 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**

### **Reservoir Pressure**

Where practical, Tundra is committed to collecting pressure data from newly drilled injection wells. For Sinclair Unit No. 8 pressure data is currently available for 102/07-28, 103/07-28, 102/12-32, 102/04-33, 102/05-33, 103/05-33 and 102/16-3-007-29W1. 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. 8 during 2012:

**Table 1: Sinclair Unit No. 8 Well Servicing**

102/16-32-007-29W1/00	Pump Change	16/05/2012
100/05-33-007-29W1/00	Polish Rod Repair/Pump Change	31/07/2012
100/05-33-007-29W1/00	Polish Rod Repair	04/10/2012

### **Waterflood Performance Discussion**

At the end of 2012, there is currently no water injection in Sinclair Unit No. 8. The waterflood area had 8 injection wells drilled, 1 well is producing and the remaining 7 are waiting on completion. Tundra expects to produce most of the future injector wells until the latter part of 2013 instead of putting them on injection right away for the reasons given earlier. Therefore, there is no waterflood analysis that can be done at this time. A more in depth discussion will be presented in the 2014 Annual Report. A summary table of the injector patterns is presented in Appendix A. Plots and tables of the production are presented in Appendix C for each of the injector patterns.

## List of Appendices

Appendix A: Sinclair Unit No. 8 Injection Pattern Summary

Appendix B: Sinclair Unit No. 8 Pressure Summary

Appendix C: Injector Pattern Production Rates and Cumulatives  
Plots and Tables for the following injectors:

102/07-28-007-29W1

103/07-28-007-29W1

102/12-28-007-29W1

102/12-32-007-29W1

102/04-33-007-29W1

102/05-33-007-29W1

103/05-33-007-29W1

102/16-33-007-29W1

## Appendix A

### Sinclair Unit No. 8 Injection Pattern Summary as of December 2012

Pattern Name	Injector BH Location (007-29W1)	Injector Surf. Location (007-29W1)	Status	Supported Wells (007-29W1)	No. of Supported Wells	Allocation Factor	Pattern Prod Start Month	Inj 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
02/07-28-007-29W1 Injector	02/07-28	02/01-29	Waiting On Service Rig	02-28, 03-28, 04-28, 05-28, 06-28, 07-28	6	0.5	Aug 2004	-	2.4	1.4	0.6	-	11.0	5.8	-	-	-
03/07-28-007-29W1 Injector	03/07-28	03/09-29	Completing	05-28, 06-28, 07-28, 09-28, 10-28, 11-28, 12-28	7	0.5	Mar 2004	-	2.8	1.2	0.41	-	14.7	6.3	-	-	-
02/12-28-007-29W1 Injector	02/12-28	02/13-27	Completing	09-28, 10-28, 11-28, 12-28, 13-28, 14-28, 15-28, 16-28	8	0.5	Mar 2004	-	3.2	1.5	0.47	-	16.3	7.1	-	-	-
02/12-32-007-29W1 Injector	02/12-32	02/13-33	Completing	09-32, 10-32, 11-32, 12-32, 13-32, 14-32, 15-32, 16-32	8	0.5	Jul 2005	-	2.4	2.2	0.93	-	13.7	10.9	-	-	-
02/04-33-007-29W1 Injector	02/04-33	02/04-34	Completing	13-28, 14-28, 15-28, 16-28, 01-33, 02-33, 03-33, 04-33	8	0.5	Jun 2005	-	2.9	2.3	0.78	-	13.5	9.3	-	-	-
02/05-33-007-29W1 Injector	02/05-33	02/05-34	Completing	01-33, 02-33, 03-33, 04-33, 05-33, 06-33, 07-33, 08-33	8	0.5	Jun 2005	-	2.3	2.6	1.12	-	12.2	11.0	-	-	-
03/05-33-007-29W1 Injector	03/05-33	03/12-34	Capable Of Oil Prod	05-33, 06-33, 07-33, 08-33, 09-33, 10-33, 11-33, 12-33	8	0.5	Jan 2005	-	5.9	9.1	1.55	-	16.8	10.7	-	-	-
02/16-33-007-29W1 Injector	02/16-33	02/12-33	Waiting On Service Rig	09-33, 10-33, 11-33, 12-33, 13-33, 14-33, 15-33, 16-33	8	0.5	Jan 2005	-	4.3	1.4	0.33	-	23.4	7.9	-	-	-



## APPENDIX B

### Sinclair Unit No. 8 - Pressure Summary

Location	Test Date	Final Pressure (kPaa)	MPP (mTVD)	KB	Datum Depth	Gradient	Pressure @ -450 masl
102/07-28-007-29W1/00	Jun 12 - Aug 21, 2012	3119.6	1003.52	518.46	-450	8.25	2830
103/07-28-007-29W1/00	Jun 20 - Aug 5, 2012	2726.5	1005.65	521.9	-450	8.25	2448
102/12-32-007-29W1/00	Aug 26 - Sep 17, 2012	3395.6	1007.52	526.14	-450	8.25	3137
102/04-33-007-29W1/00	Oct 17 - 26, 2012	2948.8	1010.91	524.55	-450	8.25	2649
102/05-33-007-29W1/00	Oct 10 - Nov 5, 2012	3119.1	1005.61	524.01	-450	8.25	2858
103/05-33-007-29W1/00	Jun 28 - Aug 7, 2012	2554.4	1003.37	525.29	-450	8.25	2323
102/16-33-007-29W1/00	Sep 12 - 28, 2012	2234.5	996.56	526.11	-450	8.25	2066

# Pattern: 02/07-28-007-29Inj Set: SinclairUnit#8

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.60 m3/m3

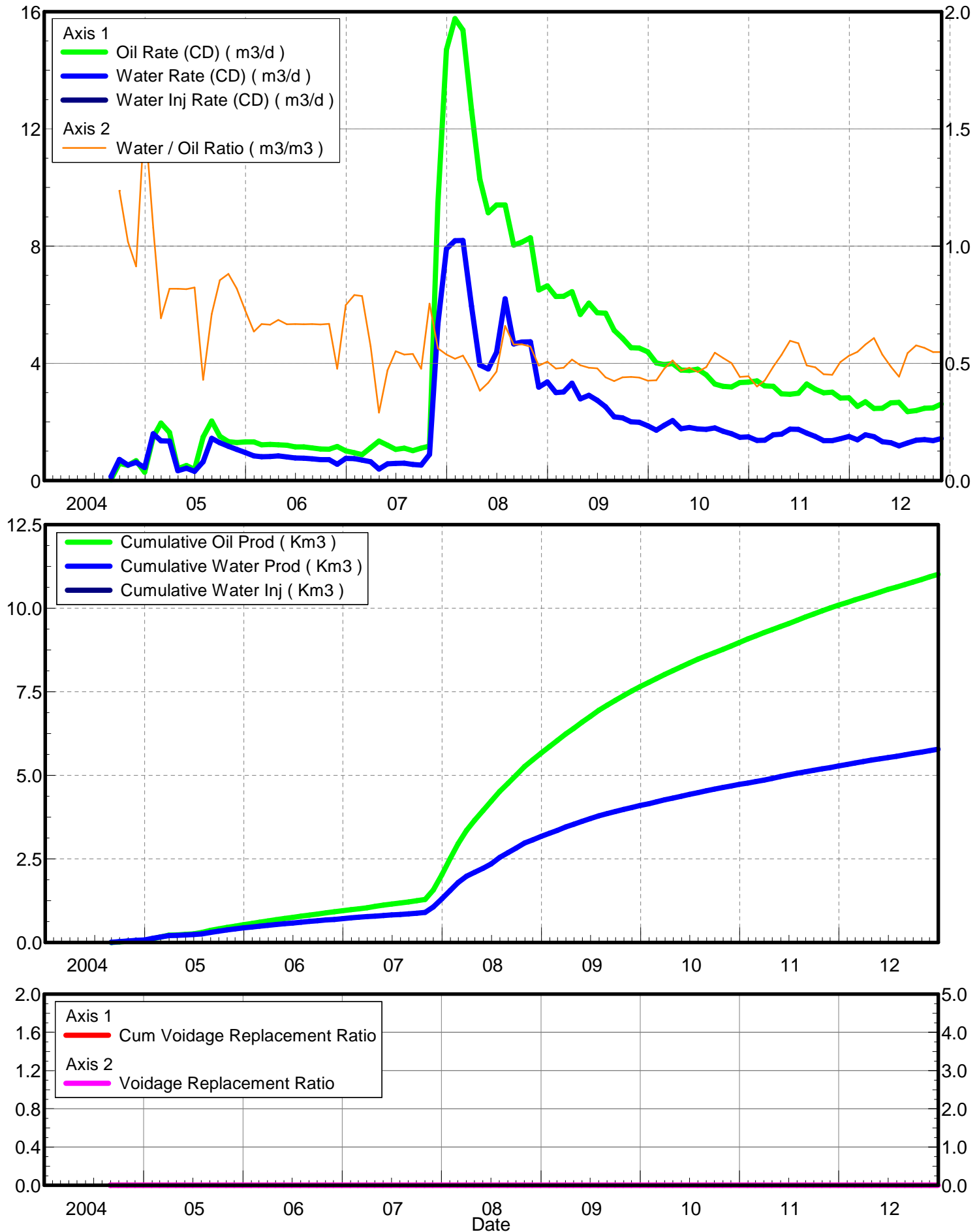
March 13, 2013

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 2.39 m3/d

Water Rate (CD) : 1.43 m3/d

Water Inj Rate (CD) : \* m3/d



Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
8/31/2004	0.03	0.13	4.00		0.00	0.00	0.00	0.000	0.000
9/30/2004	0.58	0.72	1.24		0.02	0.03	0.00	0.000	0.000
10/31/2004	0.52	0.53	1.02		0.03	0.04	0.00	0.000	0.000
11/30/2004	0.67	0.61	0.91		0.05	0.06	0.00	0.000	0.000
12/31/2004	0.28	0.44	1.56		0.06	0.07	0.00	0.000	0.000
1/31/2005	1.48	1.60	1.08		0.11	0.12	0.00	0.000	0.000
2/28/2005	1.96	1.35	0.69		0.16	0.16	0.00	0.000	0.000
3/31/2005	1.64	1.34	0.82		0.21	0.20	0.00	0.000	0.000
4/30/2005	0.40	0.33	0.82		0.23	0.21	0.00	0.000	0.000
5/31/2005	0.51	0.41	0.82		0.24	0.23	0.00	0.000	0.000
6/30/2005	0.38	0.31	0.82		0.25	0.23	0.00	0.000	0.000
7/31/2005	1.48	0.64	0.43		0.30	0.25	0.00	0.000	0.000
8/31/2005	2.03	1.44	0.71		0.36	0.30	0.00	0.000	0.000
9/30/2005	1.51	1.29	0.85		0.41	0.34	0.00	0.000	0.000
10/31/2005	1.32	1.16	0.88		0.45	0.37	0.00	0.000	0.000
11/30/2005	1.29	1.06	0.82		0.49	0.41	0.00	0.000	0.000
12/31/2005	1.31	0.95	0.72		0.53	0.44	0.00	0.000	0.000
1/31/2006	1.31	0.84	0.64		0.57	0.46	0.00	0.000	0.000
2/28/2006	1.21	0.81	0.67		0.60	0.48	0.00	0.000	0.000
3/31/2006	1.23	0.82	0.66		0.64	0.51	0.00	0.000	0.000
4/30/2006	1.22	0.83	0.69		0.68	0.53	0.00	0.000	0.000
5/31/2006	1.20	0.80	0.67		0.72	0.56	0.00	0.000	0.000
6/30/2006	1.15	0.77	0.67		0.75	0.58	0.00	0.000	0.000
7/31/2006	1.14	0.76	0.67		0.79	0.61	0.00	0.000	0.000
8/31/2006	1.11	0.74	0.67		0.82	0.63	0.00	0.000	0.000
9/30/2006	1.07	0.71	0.67		0.85	0.65	0.00	0.000	0.000
10/31/2006	1.06	0.71	0.67		0.88	0.67	0.00	0.000	0.000
11/30/2006	1.16	0.55	0.48		0.92	0.69	0.00	0.000	0.000
12/31/2006	1.01	0.75	0.75		0.95	0.71	0.00	0.000	0.000
1/31/2007	0.94	0.75	0.79		0.98	0.74	0.00	0.000	0.000
2/28/2007	0.88	0.69	0.79		1.00	0.75	0.00	0.000	0.000
3/31/2007	1.12	0.64	0.57		1.04	0.77	0.00	0.000	0.000
4/30/2007	1.35	0.39	0.29		1.08	0.79	0.00	0.000	0.000
5/31/2007	1.20	0.56	0.47		1.12	0.80	0.00	0.000	0.000
6/30/2007	1.06	0.58	0.55		1.15	0.82	0.00	0.000	0.000
7/31/2007	1.10	0.59	0.54		1.18	0.84	0.00	0.000	0.000
8/31/2007	1.02	0.55	0.54		1.21	0.86	0.00	0.000	0.000
9/30/2007	1.11	0.53	0.48		1.25	0.87	0.00	0.000	0.000
10/31/2007	1.18	0.89	0.75		1.28	0.90	0.00	0.000	0.000
11/30/2007	9.45	5.33	0.56		1.57	1.06	0.00	0.000	0.000
12/31/2007	14.70	7.90	0.54		2.02	1.31	0.00	0.000	0.000
1/31/2008	15.77	8.18	0.52		2.51	1.56	0.00	0.000	0.000
2/29/2008	15.37	8.19	0.53		2.96	1.80	0.00	0.000	0.000
3/31/2008	12.66	5.95	0.47		3.35	1.98	0.00	0.000	0.000
4/30/2008	10.28	3.94	0.38		3.66	2.10	0.00	0.000	0.000
5/31/2008	9.14	3.81	0.42		3.94	2.22	0.00	0.000	0.000
6/30/2008	9.40	4.37	0.47		4.22	2.35	0.00	0.000	0.000
7/31/2008	9.40	6.20	0.66		4.52	2.54	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
8/31/2008	8.03	4.66	0.58		4.76	2.68	0.00	0.000	0.000
9/30/2008	8.13	4.72	0.58		5.01	2.83	0.00	0.000	0.000
10/31/2008	8.29	4.73	0.57		5.27	2.97	0.00	0.000	0.000
11/30/2008	6.50	3.19	0.49		5.46	3.07	0.00	0.000	0.000
12/31/2008	6.64	3.36	0.51		5.67	3.17	0.00	0.000	0.000
1/31/2009	6.28	3.00	0.48		5.86	3.27	0.00	0.000	0.000
2/28/2009	6.28	3.02	0.48		6.04	3.35	0.00	0.000	0.000
3/31/2009	6.44	3.32	0.52		6.24	3.45	0.00	0.000	0.000
4/30/2009	5.67	2.79	0.49		6.41	3.54	0.00	0.000	0.000
5/31/2009	6.05	2.91	0.48		6.59	3.63	0.00	0.000	0.000
6/30/2009	5.72	2.74	0.48		6.77	3.71	0.00	0.000	0.000
7/31/2009	5.71	2.51	0.44		6.94	3.79	0.00	0.000	0.000
8/31/2009	5.13	2.17	0.42		7.10	3.85	0.00	0.000	0.000
9/30/2009	4.86	2.14	0.44		7.25	3.92	0.00	0.000	0.000
10/31/2009	4.53	2.00	0.44		7.39	3.98	0.00	0.000	0.000
11/30/2009	4.52	1.98	0.44		7.52	4.04	0.00	0.000	0.000
12/31/2009	4.39	1.87	0.43		7.66	4.10	0.00	0.000	0.000
1/31/2010	4.01	1.71	0.43		7.78	4.15	0.00	0.000	0.000
2/28/2010	3.96	1.88	0.48		7.89	4.20	0.00	0.000	0.000
3/31/2010	3.99	2.04	0.51		8.02	4.27	0.00	0.000	0.000
4/30/2010	3.77	1.76	0.47		8.13	4.32	0.00	0.000	0.000
5/31/2010	3.76	1.81	0.48		8.25	4.38	0.00	0.000	0.000
6/30/2010	3.80	1.76	0.46		8.36	4.43	0.00	0.000	0.000
7/31/2010	3.61	1.75	0.48		8.47	4.48	0.00	0.000	0.000
8/31/2010	3.29	1.79	0.54		8.58	4.54	0.00	0.000	0.000
9/30/2010	3.21	1.68	0.52		8.67	4.59	0.00	0.000	0.000
10/31/2010	3.19	1.60	0.50		8.77	4.64	0.00	0.000	0.000
11/30/2010	3.34	1.48	0.44		8.87	4.68	0.00	0.000	0.000
12/31/2010	3.36	1.49	0.44		8.98	4.73	0.00	0.000	0.000
1/31/2011	3.40	1.36	0.40		9.08	4.77	0.00	0.000	0.000
2/28/2011	3.23	1.38	0.43		9.17	4.81	0.00	0.000	0.000
3/31/2011	3.21	1.56	0.49		9.27	4.86	0.00	0.000	0.000
4/30/2011	2.96	1.58	0.53		9.36	4.91	0.00	0.000	0.000
5/31/2011	2.94	1.75	0.60		9.45	4.96	0.00	0.000	0.000
6/30/2011	2.98	1.75	0.59		9.54	5.01	0.00	0.000	0.000
7/31/2011	3.29	1.61	0.49		9.64	5.06	0.00	0.000	0.000
8/31/2011	3.12	1.50	0.48		9.74	5.11	0.00	0.000	0.000
9/30/2011	3.00	1.36	0.45		9.83	5.15	0.00	0.000	0.000
10/31/2011	3.02	1.36	0.45		9.92	5.19	0.00	0.000	0.000
11/30/2011	2.81	1.42	0.51		10.01	5.23	0.00	0.000	0.000
12/31/2011	2.82	1.50	0.53		10.09	5.28	0.00	0.000	0.000
1/31/2012	2.53	1.39	0.55		10.17	5.32	0.00	0.000	0.000
2/29/2012	2.68	1.56	0.58		10.25	5.37	0.00	0.000	0.000
3/31/2012	2.46	1.49	0.61		10.33	5.42	0.00	0.000	0.000
4/30/2012	2.47	1.33	0.54		10.40	5.45	0.00	0.000	0.000
5/31/2012	2.65	1.29	0.49		10.48	5.49	0.00	0.000	0.000
6/30/2012	2.67	1.18	0.44		10.56	5.53	0.00	0.000	0.000
7/31/2012	2.35	1.28	0.54		10.63	5.57	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
8/31/2012	2.39	1.38	0.58		10.71	5.61	0.00	0.000	0.000
9/30/2012	2.46	1.39	0.57		10.78	5.65	0.00	0.000	0.000
10/31/2012	2.48	1.36	0.55		10.86	5.70	0.00	0.000	0.000
11/30/2012	2.61	1.43	0.55		10.94	5.74	0.00	0.000	0.000
12/31/2012	2.39	1.43	0.60		11.01	5.78	0.00	0.000	0.000

Oil Formation Vol Factor : 1.07100 m3/m3

Pattern: 03/07-28-007-29Inj Set: SinclairUnit#8

Water Formation Vol Factor : 1.00150 m3/m3

March 13, 2013

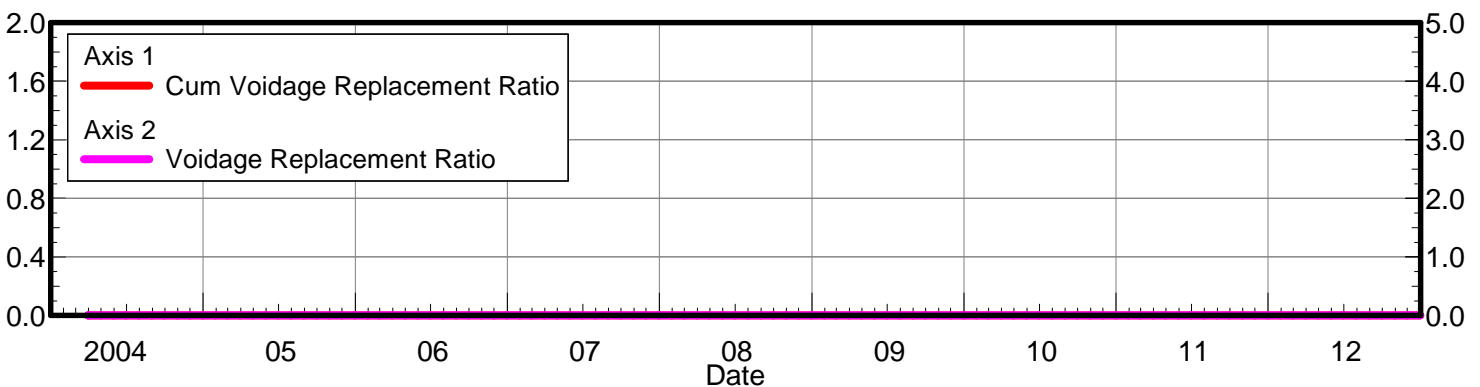
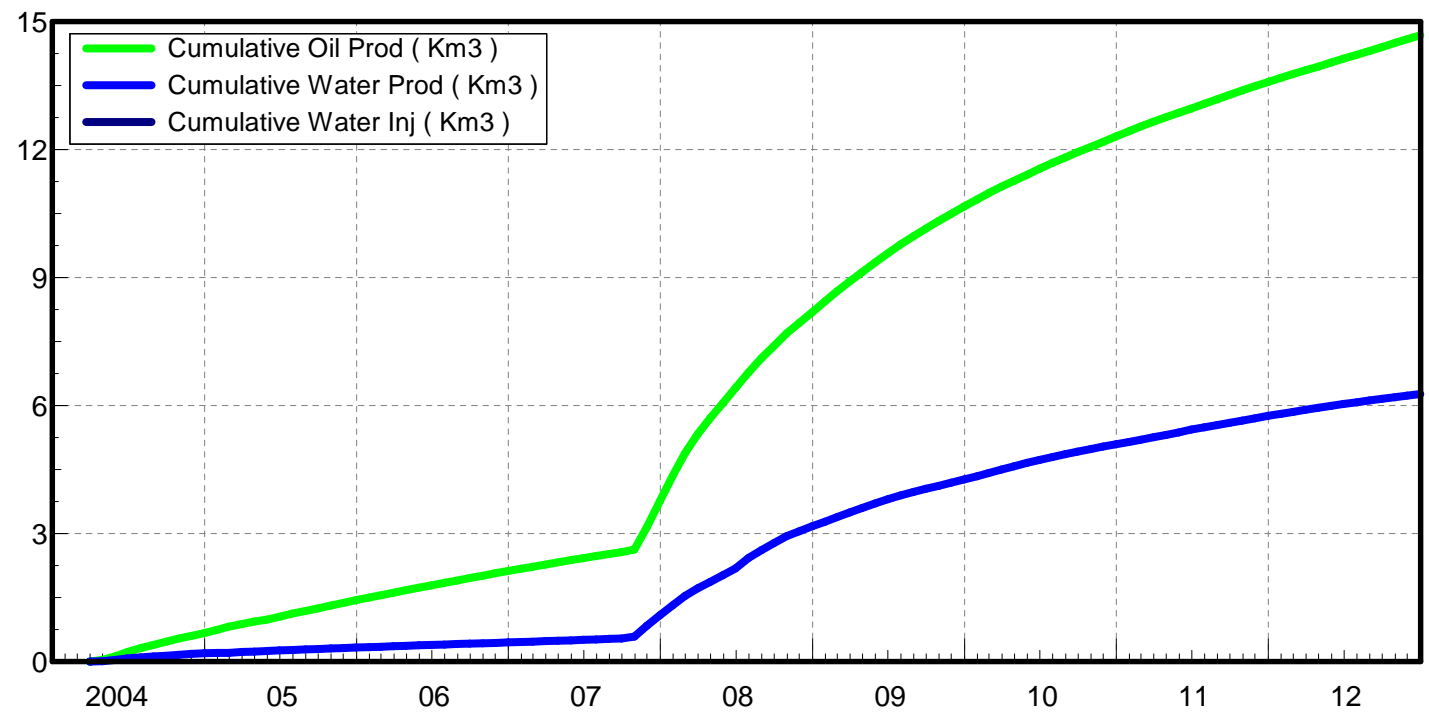
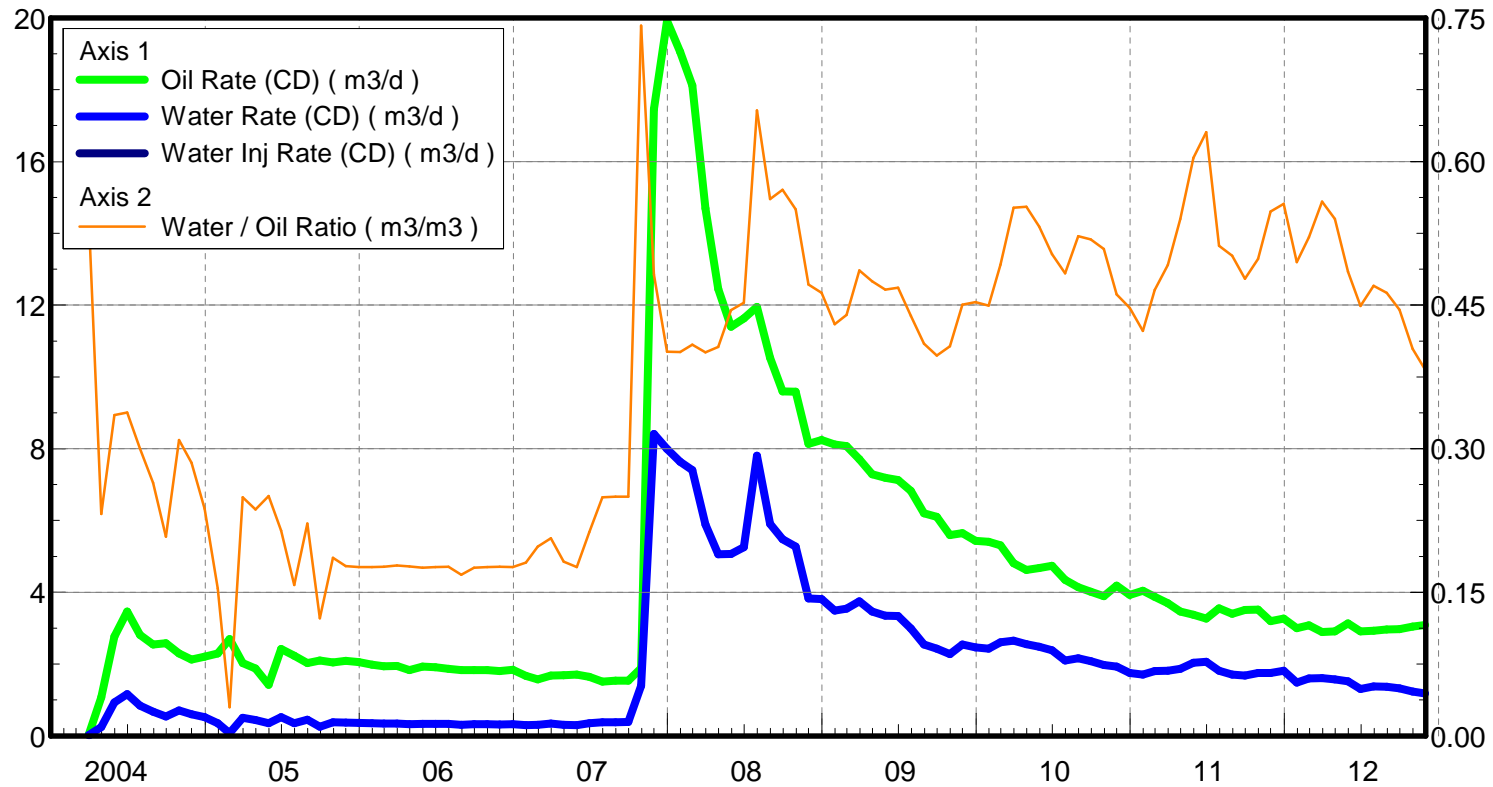
Water / Oil Ratio : 0.41 m3/m3

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 2.83 m3/d

Water Rate (CD) : 1.17 m3/d

Water Inj Rate (CD) : \* m3/d



Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
3/31/2004	0.04	0.02	0.54		0.00	0.00	0.00	0.000	0.000
4/30/2004	1.07	0.25	0.23		0.03	0.01	0.00	0.000	0.000
5/31/2004	2.77	0.93	0.34		0.12	0.04	0.00	0.000	0.000
6/30/2004	3.46	1.17	0.34		0.22	0.07	0.00	0.000	0.000
7/31/2004	2.81	0.84	0.30		0.31	0.10	0.00	0.000	0.000
8/31/2004	2.54	0.67	0.26		0.39	0.12	0.00	0.000	0.000
9/30/2004	2.59	0.54	0.21		0.47	0.14	0.00	0.000	0.000
10/31/2004	2.30	0.71	0.31		0.54	0.16	0.00	0.000	0.000
11/30/2004	2.13	0.61	0.29		0.60	0.18	0.00	0.000	0.000
12/31/2004	2.20	0.52	0.24		0.67	0.19	0.00	0.000	0.000
1/31/2005	2.29	0.35	0.15		0.74	0.20	0.00	0.000	0.000
2/28/2005	2.70	0.08	0.03		0.82	0.20	0.00	0.000	0.000
3/31/2005	2.03	0.51	0.25		0.88	0.22	0.00	0.000	0.000
4/30/2005	1.87	0.44	0.24		0.94	0.23	0.00	0.000	0.000
5/31/2005	1.42	0.36	0.25		0.98	0.24	0.00	0.000	0.000
6/30/2005	2.42	0.52	0.21		1.05	0.26	0.00	0.000	0.000
7/31/2005	2.23	0.35	0.16		1.12	0.27	0.00	0.000	0.000
8/31/2005	2.03	0.45	0.22		1.18	0.29	0.00	0.000	0.000
9/30/2005	2.10	0.26	0.12		1.25	0.29	0.00	0.000	0.000
10/31/2005	2.05	0.38	0.19		1.31	0.30	0.00	0.000	0.000
11/30/2005	2.09	0.37	0.18		1.37	0.32	0.00	0.000	0.000
12/31/2005	2.06	0.36	0.18		1.44	0.33	0.00	0.000	0.000
1/31/2006	1.99	0.35	0.18		1.50	0.34	0.00	0.000	0.000
2/28/2006	1.94	0.34	0.18		1.55	0.35	0.00	0.000	0.000
3/31/2006	1.95	0.35	0.18		1.61	0.36	0.00	0.000	0.000
4/30/2006	1.84	0.33	0.18		1.67	0.37	0.00	0.000	0.000
5/31/2006	1.93	0.34	0.18		1.73	0.38	0.00	0.000	0.000
6/30/2006	1.91	0.34	0.18		1.79	0.39	0.00	0.000	0.000
7/31/2006	1.87	0.33	0.18		1.84	0.40	0.00	0.000	0.000
8/31/2006	1.83	0.31	0.17		1.90	0.41	0.00	0.000	0.000
9/30/2006	1.83	0.32	0.18		1.96	0.42	0.00	0.000	0.000
10/31/2006	1.83	0.32	0.18		2.01	0.43	0.00	0.000	0.000
11/30/2006	1.80	0.32	0.18		2.07	0.44	0.00	0.000	0.000
12/31/2006	1.84	0.32	0.18		2.12	0.45	0.00	0.000	0.000
1/31/2007	1.67	0.30	0.18		2.18	0.46	0.00	0.000	0.000
2/28/2007	1.57	0.31	0.20		2.22	0.47	0.00	0.000	0.000
3/31/2007	1.68	0.35	0.21		2.27	0.48	0.00	0.000	0.000
4/30/2007	1.69	0.31	0.18		2.32	0.49	0.00	0.000	0.000
5/31/2007	1.71	0.30	0.18		2.37	0.50	0.00	0.000	0.000
6/30/2007	1.65	0.35	0.21		2.42	0.51	0.00	0.000	0.000
7/31/2007	1.51	0.38	0.25		2.47	0.52	0.00	0.000	0.000
8/31/2007	1.54	0.38	0.25		2.52	0.53	0.00	0.000	0.000
9/30/2007	1.54	0.39	0.25		2.56	0.54	0.00	0.000	0.000
10/31/2007	1.88	1.40	0.74		2.62	0.58	0.00	0.000	0.000
11/30/2007	17.46	8.41	0.48		3.15	0.84	0.00	0.000	0.000
12/31/2007	19.92	7.99	0.40		3.76	1.08	0.00	0.000	0.000
1/31/2008	19.06	7.64	0.40		4.36	1.32	0.00	0.000	0.000
2/29/2008	18.12	7.40	0.41		4.88	1.54	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
3/31/2008	14.69	5.89	0.40		5.34	1.72	0.00	0.000	0.000
4/30/2008	12.45	5.06	0.41		5.71	1.87	0.00	0.000	0.000
5/31/2008	11.39	5.07	0.44		6.06	2.03	0.00	0.000	0.000
6/30/2008	11.63	5.26	0.45		6.41	2.18	0.00	0.000	0.000
7/31/2008	11.95	7.80	0.65		6.78	2.43	0.00	0.000	0.000
8/31/2008	10.53	5.91	0.56		7.11	2.61	0.00	0.000	0.000
9/30/2008	9.60	5.47	0.57		7.40	2.77	0.00	0.000	0.000
10/31/2008	9.59	5.28	0.55		7.69	2.94	0.00	0.000	0.000
11/30/2008	8.13	3.83	0.47		7.94	3.05	0.00	0.000	0.000
12/31/2008	8.24	3.81	0.46		8.19	3.17	0.00	0.000	0.000
1/31/2009	8.12	3.49	0.43		8.44	3.28	0.00	0.000	0.000
2/28/2009	8.07	3.55	0.44		8.67	3.38	0.00	0.000	0.000
3/31/2009	7.70	3.75	0.49		8.91	3.49	0.00	0.000	0.000
4/30/2009	7.29	3.46	0.47		9.13	3.60	0.00	0.000	0.000
5/31/2009	7.19	3.35	0.47		9.35	3.70	0.00	0.000	0.000
6/30/2009	7.13	3.34	0.47		9.56	3.80	0.00	0.000	0.000
7/31/2009	6.83	3.00	0.44		9.78	3.90	0.00	0.000	0.000
8/31/2009	6.20	2.54	0.41		9.97	3.97	0.00	0.000	0.000
9/30/2009	6.11	2.43	0.40		10.15	4.05	0.00	0.000	0.000
10/31/2009	5.59	2.28	0.41		10.33	4.12	0.00	0.000	0.000
11/30/2009	5.65	2.54	0.45		10.49	4.19	0.00	0.000	0.000
12/31/2009	5.44	2.46	0.45		10.66	4.27	0.00	0.000	0.000
1/31/2010	5.41	2.43	0.45		10.83	4.35	0.00	0.000	0.000
2/28/2010	5.31	2.61	0.49		10.98	4.42	0.00	0.000	0.000
3/31/2010	4.81	2.65	0.55		11.13	4.50	0.00	0.000	0.000
4/30/2010	4.62	2.55	0.55		11.27	4.58	0.00	0.000	0.000
5/31/2010	4.68	2.49	0.53		11.41	4.65	0.00	0.000	0.000
6/30/2010	4.74	2.38	0.50		11.55	4.73	0.00	0.000	0.000
7/31/2010	4.34	2.10	0.48		11.69	4.79	0.00	0.000	0.000
8/31/2010	4.14	2.16	0.52		11.82	4.86	0.00	0.000	0.000
9/30/2010	4.02	2.09	0.52		11.94	4.92	0.00	0.000	0.000
10/31/2010	3.89	1.98	0.51		12.06	4.98	0.00	0.000	0.000
11/30/2010	4.19	1.93	0.46		12.18	5.04	0.00	0.000	0.000
12/31/2010	3.93	1.75	0.45		12.31	5.09	0.00	0.000	0.000
1/31/2011	4.04	1.71	0.42		12.43	5.15	0.00	0.000	0.000
2/28/2011	3.88	1.81	0.47		12.54	5.20	0.00	0.000	0.000
3/31/2011	3.70	1.82	0.49		12.65	5.25	0.00	0.000	0.000
4/30/2011	3.46	1.87	0.54		12.76	5.31	0.00	0.000	0.000
5/31/2011	3.38	2.04	0.60		12.86	5.37	0.00	0.000	0.000
6/30/2011	3.27	2.06	0.63		12.96	5.44	0.00	0.000	0.000
7/31/2011	3.55	1.82	0.51		13.07	5.49	0.00	0.000	0.000
8/31/2011	3.40	1.71	0.50		13.18	5.54	0.00	0.000	0.000
9/30/2011	3.51	1.68	0.48		13.28	5.60	0.00	0.000	0.000
10/31/2011	3.51	1.75	0.50		13.39	5.65	0.00	0.000	0.000
11/30/2011	3.19	1.75	0.55		13.49	5.70	0.00	0.000	0.000
12/31/2011	3.27	1.82	0.56		13.59	5.76	0.00	0.000	0.000
1/31/2012	3.00	1.48	0.49		13.68	5.80	0.00	0.000	0.000
2/29/2012	3.08	1.61	0.52		13.77	5.85	0.00	0.000	0.000



Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
3/31/2012	2.89	1.61	0.56		13.86	5.90	0.00	0.000	0.000
4/30/2012	2.91	1.57	0.54		13.95	5.95	0.00	0.000	0.000
5/31/2012	3.14	1.52	0.48		14.04	6.00	0.00	0.000	0.000
6/30/2012	2.91	1.31	0.45		14.13	6.03	0.00	0.000	0.000
7/31/2012	2.93	1.38	0.47		14.22	6.08	0.00	0.000	0.000
8/31/2012	2.96	1.37	0.46		14.31	6.12	0.00	0.000	0.000
9/30/2012	2.97	1.32	0.45		14.40	6.16	0.00	0.000	0.000
10/31/2012	3.05	1.23	0.40		14.50	6.20	0.00	0.000	0.000
11/30/2012	3.09	1.18	0.38		14.59	6.23	0.00	0.000	0.000
12/31/2012	2.83	1.17	0.41		14.68	6.27	0.00	0.000	0.000

Oil Formation Vol Factor : 1.07100 m3/m3

Pattern: 02/12-28-007-29Inj Set: SinclairUnit#8

Water Formation Vol Factor : 1.00150 m3/m3

March 13, 2013

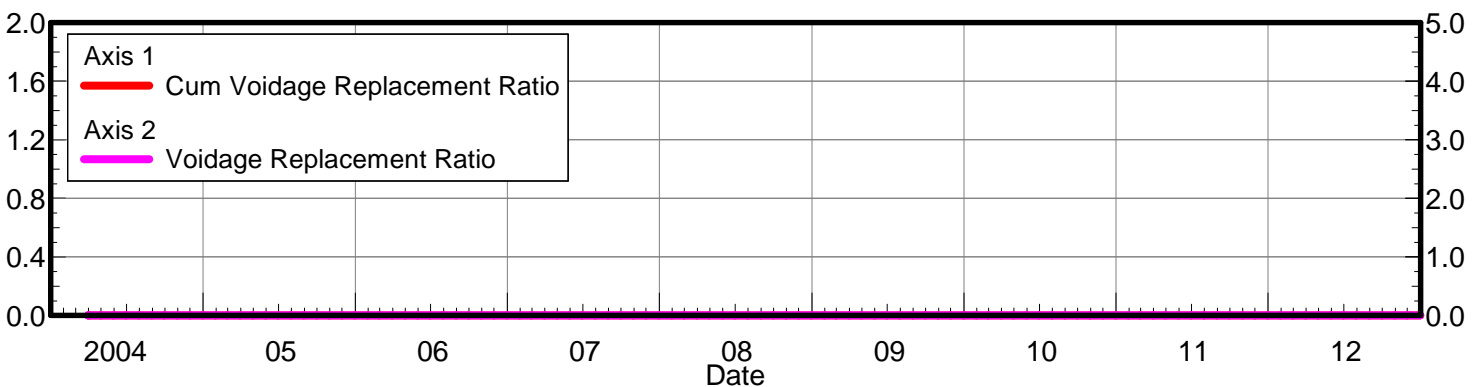
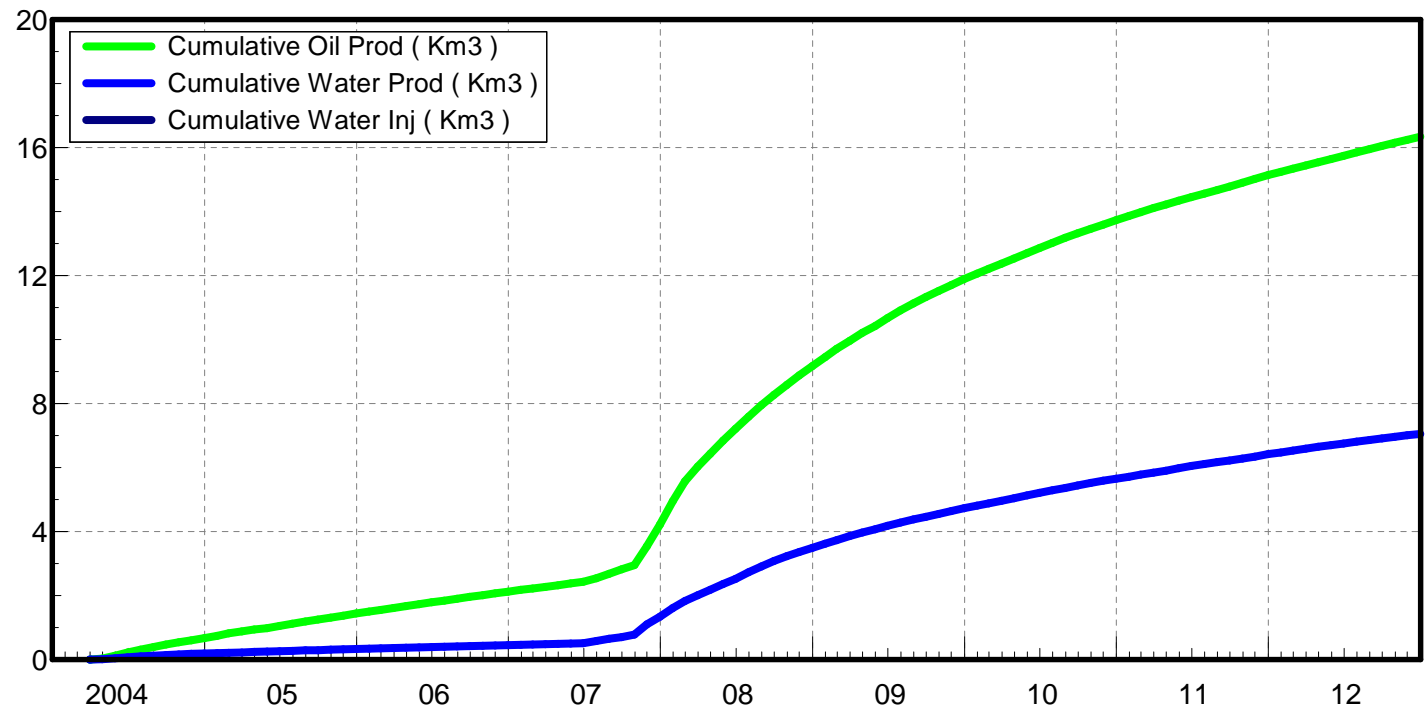
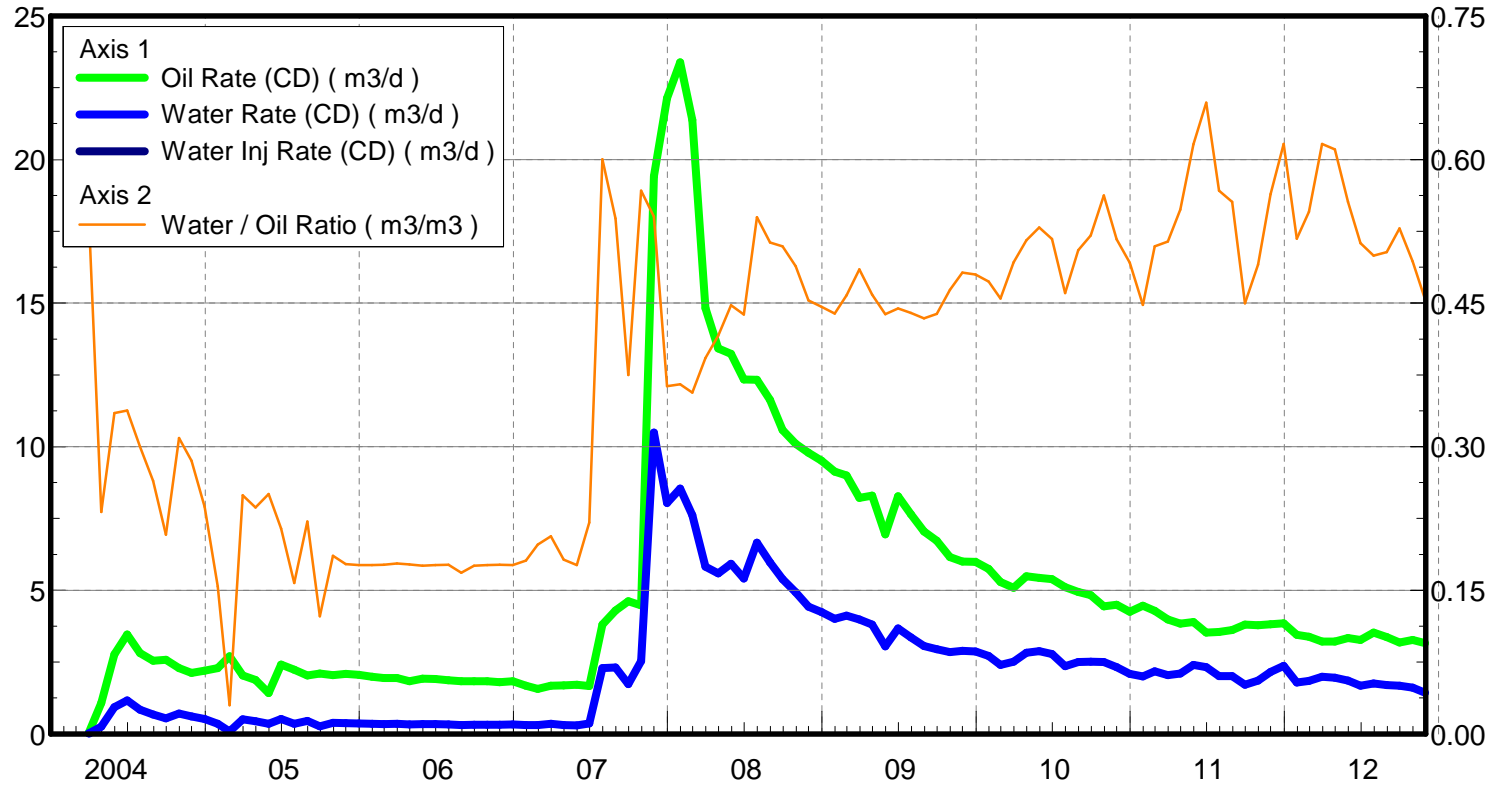
Water / Oil Ratio : 0.47 m3/m3

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 3.17 m3/d

Water Rate (CD) : 1.48 m3/d

Water Inj Rate (CD) : \* m3/d



Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
3/31/2004	0.04	0.02	0.54		0.00	0.00	0.00	0.000	0.000
4/30/2004	1.07	0.25	0.23		0.03	0.01	0.00	0.000	0.000
5/31/2004	2.77	0.93	0.34		0.12	0.04	0.00	0.000	0.000
6/30/2004	3.46	1.17	0.34		0.22	0.07	0.00	0.000	0.000
7/31/2004	2.81	0.84	0.30		0.31	0.10	0.00	0.000	0.000
8/31/2004	2.54	0.67	0.26		0.39	0.12	0.00	0.000	0.000
9/30/2004	2.59	0.54	0.21		0.47	0.14	0.00	0.000	0.000
10/31/2004	2.30	0.71	0.31		0.54	0.16	0.00	0.000	0.000
11/30/2004	2.13	0.61	0.29		0.60	0.18	0.00	0.000	0.000
12/31/2004	2.20	0.52	0.24		0.67	0.19	0.00	0.000	0.000
1/31/2005	2.29	0.35	0.15		0.74	0.20	0.00	0.000	0.000
2/28/2005	2.70	0.08	0.03		0.82	0.20	0.00	0.000	0.000
3/31/2005	2.03	0.51	0.25		0.88	0.22	0.00	0.000	0.000
4/30/2005	1.87	0.44	0.24		0.94	0.23	0.00	0.000	0.000
5/31/2005	1.42	0.36	0.25		0.98	0.24	0.00	0.000	0.000
6/30/2005	2.42	0.52	0.21		1.05	0.26	0.00	0.000	0.000
7/31/2005	2.23	0.35	0.16		1.12	0.27	0.00	0.000	0.000
8/31/2005	2.03	0.45	0.22		1.18	0.29	0.00	0.000	0.000
9/30/2005	2.10	0.26	0.12		1.25	0.29	0.00	0.000	0.000
10/31/2005	2.05	0.38	0.19		1.31	0.30	0.00	0.000	0.000
11/30/2005	2.09	0.37	0.18		1.37	0.32	0.00	0.000	0.000
12/31/2005	2.06	0.36	0.18		1.44	0.33	0.00	0.000	0.000
1/31/2006	1.99	0.35	0.18		1.50	0.34	0.00	0.000	0.000
2/28/2006	1.94	0.34	0.18		1.55	0.35	0.00	0.000	0.000
3/31/2006	1.95	0.35	0.18		1.61	0.36	0.00	0.000	0.000
4/30/2006	1.84	0.33	0.18		1.67	0.37	0.00	0.000	0.000
5/31/2006	1.93	0.34	0.18		1.73	0.38	0.00	0.000	0.000
6/30/2006	1.91	0.34	0.18		1.79	0.39	0.00	0.000	0.000
7/31/2006	1.87	0.33	0.18		1.84	0.40	0.00	0.000	0.000
8/31/2006	1.83	0.31	0.17		1.90	0.41	0.00	0.000	0.000
9/30/2006	1.83	0.32	0.18		1.96	0.42	0.00	0.000	0.000
10/31/2006	1.83	0.32	0.18		2.01	0.43	0.00	0.000	0.000
11/30/2006	1.80	0.32	0.18		2.07	0.44	0.00	0.000	0.000
12/31/2006	1.84	0.32	0.18		2.12	0.45	0.00	0.000	0.000
1/31/2007	1.67	0.30	0.18		2.18	0.46	0.00	0.000	0.000
2/28/2007	1.57	0.31	0.20		2.22	0.47	0.00	0.000	0.000
3/31/2007	1.68	0.35	0.21		2.27	0.48	0.00	0.000	0.000
4/30/2007	1.69	0.31	0.18		2.32	0.49	0.00	0.000	0.000
5/31/2007	1.71	0.30	0.18		2.37	0.50	0.00	0.000	0.000
6/30/2007	1.66	0.37	0.22		2.42	0.51	0.00	0.000	0.000
7/31/2007	3.81	2.29	0.60		2.54	0.58	0.00	0.000	0.000
8/31/2007	4.30	2.31	0.54		2.68	0.65	0.00	0.000	0.000
9/30/2007	4.62	1.73	0.37		2.81	0.70	0.00	0.000	0.000
10/31/2007	4.47	2.54	0.57		2.95	0.78	0.00	0.000	0.000
11/30/2007	19.41	10.49	0.54		3.54	1.09	0.00	0.000	0.000
12/31/2007	22.14	8.04	0.36		4.22	1.34	0.00	0.000	0.000
1/31/2008	23.38	8.54	0.37		4.95	1.61	0.00	0.000	0.000
2/29/2008	21.37	7.62	0.36		5.57	1.83	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
3/31/2008	14.83	5.82	0.39		6.03	2.01	0.00	0.000	0.000
4/30/2008	13.42	5.58	0.42		6.43	2.18	0.00	0.000	0.000
5/31/2008	13.23	5.92	0.45		6.84	2.36	0.00	0.000	0.000
6/30/2008	12.34	5.41	0.44		7.21	2.52	0.00	0.000	0.000
7/31/2008	12.33	6.66	0.54		7.59	2.73	0.00	0.000	0.000
8/31/2008	11.63	5.97	0.51		7.95	2.91	0.00	0.000	0.000
9/30/2008	10.58	5.39	0.51		8.27	3.08	0.00	0.000	0.000
10/31/2008	10.10	4.94	0.49		8.58	3.23	0.00	0.000	0.000
11/30/2008	9.79	4.43	0.45		8.88	3.36	0.00	0.000	0.000
12/31/2008	9.51	4.24	0.45		9.17	3.49	0.00	0.000	0.000
1/31/2009	9.13	4.01	0.44		9.45	3.62	0.00	0.000	0.000
2/28/2009	9.00	4.12	0.46		9.71	3.73	0.00	0.000	0.000
3/31/2009	8.22	3.99	0.49		9.96	3.86	0.00	0.000	0.000
4/30/2009	8.30	3.81	0.46		10.21	3.97	0.00	0.000	0.000
5/31/2009	6.95	3.05	0.44		10.43	4.07	0.00	0.000	0.000
6/30/2009	8.27	3.67	0.44		10.67	4.18	0.00	0.000	0.000
7/31/2009	7.65	3.36	0.44		10.91	4.28	0.00	0.000	0.000
8/31/2009	7.05	3.06	0.43		11.13	4.37	0.00	0.000	0.000
9/30/2009	6.73	2.95	0.44		11.33	4.46	0.00	0.000	0.000
10/31/2009	6.15	2.85	0.46		11.52	4.55	0.00	0.000	0.000
11/30/2009	6.00	2.89	0.48		11.70	4.64	0.00	0.000	0.000
12/31/2009	5.99	2.87	0.48		11.89	4.73	0.00	0.000	0.000
1/31/2010	5.74	2.71	0.47		12.07	4.81	0.00	0.000	0.000
2/28/2010	5.28	2.40	0.45		12.21	4.88	0.00	0.000	0.000
3/31/2010	5.09	2.51	0.49		12.37	4.96	0.00	0.000	0.000
4/30/2010	5.48	2.83	0.52		12.54	5.04	0.00	0.000	0.000
5/31/2010	5.44	2.88	0.53		12.70	5.13	0.00	0.000	0.000
6/30/2010	5.39	2.79	0.52		12.87	5.21	0.00	0.000	0.000
7/31/2010	5.11	2.35	0.46		13.02	5.29	0.00	0.000	0.000
8/31/2010	4.95	2.50	0.51		13.18	5.36	0.00	0.000	0.000
9/30/2010	4.83	2.52	0.52		13.32	5.44	0.00	0.000	0.000
10/31/2010	4.44	2.50	0.56		13.46	5.52	0.00	0.000	0.000
11/30/2010	4.50	2.32	0.52		13.60	5.59	0.00	0.000	0.000
12/31/2010	4.25	2.09	0.49		13.73	5.65	0.00	0.000	0.000
1/31/2011	4.46	2.00	0.45		13.87	5.71	0.00	0.000	0.000
2/28/2011	4.28	2.18	0.51		13.99	5.78	0.00	0.000	0.000
3/31/2011	3.98	2.05	0.51		14.11	5.84	0.00	0.000	0.000
4/30/2011	3.84	2.10	0.55		14.22	5.90	0.00	0.000	0.000
5/31/2011	3.90	2.40	0.62		14.34	5.98	0.00	0.000	0.000
6/30/2011	3.53	2.33	0.66		14.45	6.05	0.00	0.000	0.000
7/31/2011	3.55	2.02	0.57		14.56	6.11	0.00	0.000	0.000
8/31/2011	3.61	2.01	0.56		14.67	6.17	0.00	0.000	0.000
9/30/2011	3.81	1.71	0.45		14.79	6.22	0.00	0.000	0.000
10/31/2011	3.78	1.85	0.49		14.90	6.28	0.00	0.000	0.000
11/30/2011	3.82	2.15	0.56		15.02	6.34	0.00	0.000	0.000
12/31/2011	3.85	2.37	0.62		15.14	6.42	0.00	0.000	0.000
1/31/2012	3.45	1.78	0.52		15.24	6.47	0.00	0.000	0.000
2/29/2012	3.39	1.85	0.55		15.34	6.53	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
3/31/2012	3.22	1.99	0.62		15.44	6.59	0.00	0.000	0.000
4/30/2012	3.21	1.96	0.61		15.54	6.65	0.00	0.000	0.000
5/31/2012	3.34	1.86	0.56		15.64	6.70	0.00	0.000	0.000
6/30/2012	3.27	1.68	0.51		15.74	6.75	0.00	0.000	0.000
7/31/2012	3.52	1.76	0.50		15.85	6.81	0.00	0.000	0.000
8/31/2012	3.37	1.70	0.50		15.95	6.86	0.00	0.000	0.000
9/30/2012	3.18	1.68	0.53		16.05	6.91	0.00	0.000	0.000
10/31/2012	3.27	1.61	0.49		16.15	6.96	0.00	0.000	0.000
11/30/2012	3.15	1.43	0.45		16.25	7.01	0.00	0.000	0.000
12/31/2012	3.17	1.48	0.47		16.34	7.05	0.00	0.000	0.000

# Pattern: 02/12-32-007-29Inj Set: SinclairUnit#8

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.93 m3/m3

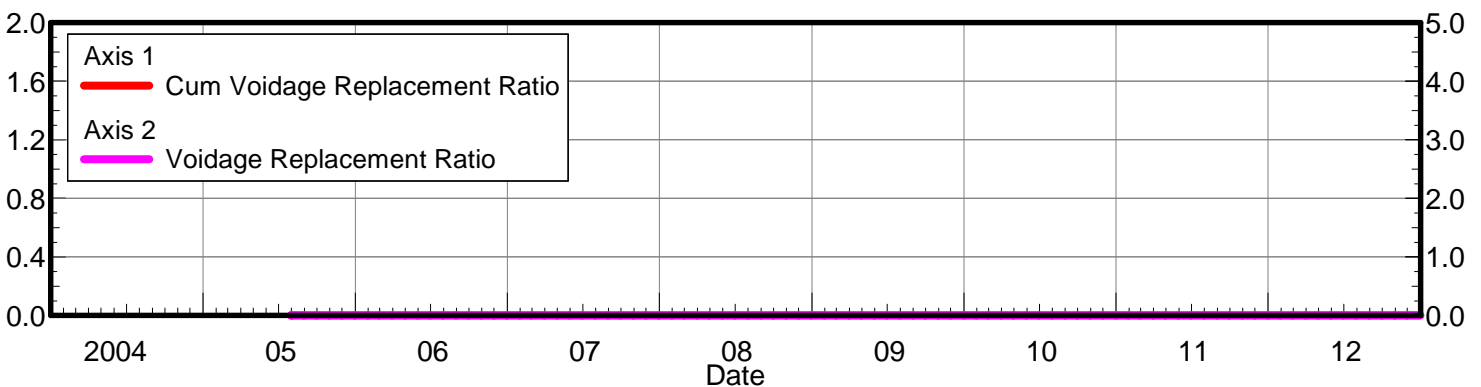
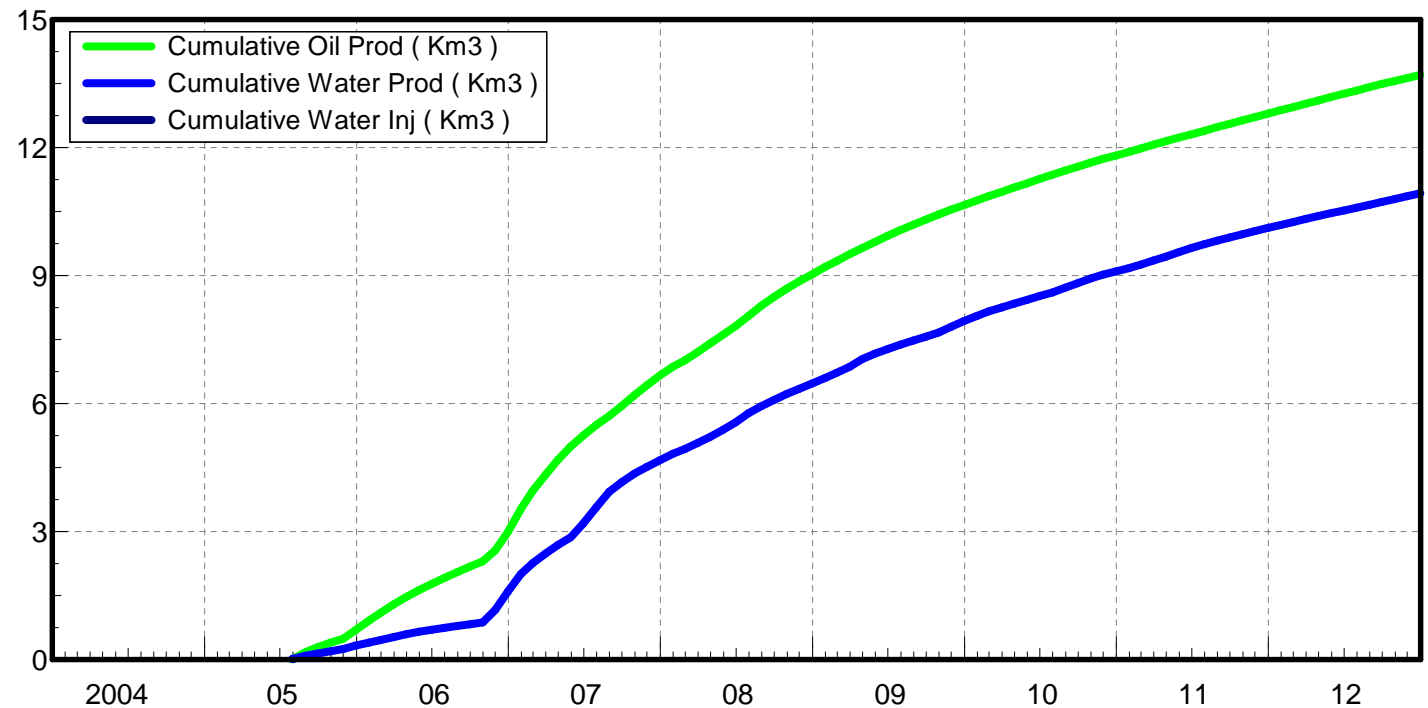
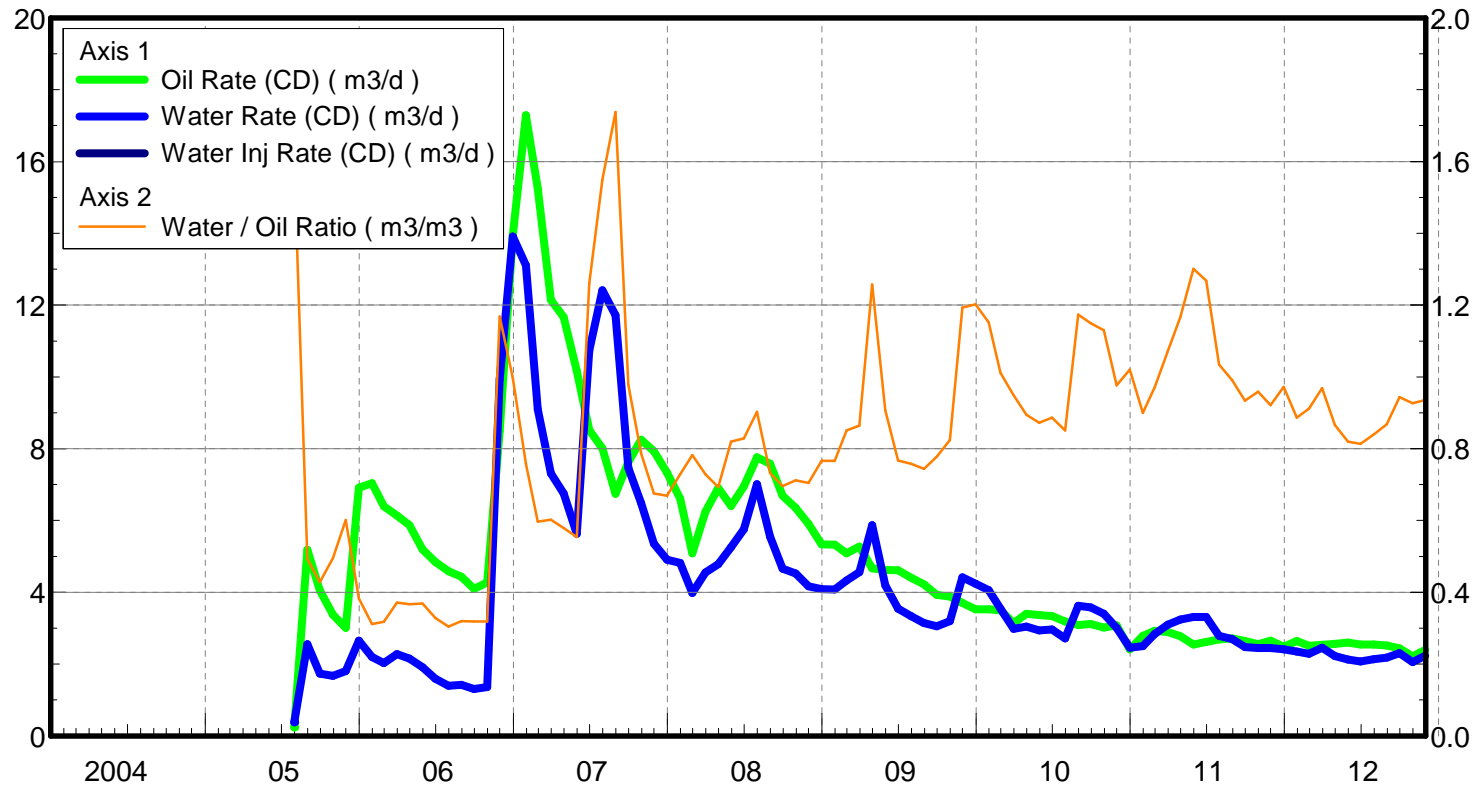
March 13, 2013

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 2.39 m3/d

Water Rate (CD) : 2.23 m3/d

Water Inj Rate (CD) : \* m3/d



Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
7/31/2005	0.24	0.38	1.60		0.01	0.01	0.00	0.000	0.000
8/31/2005	5.19	2.55	0.49		0.17	0.09	0.00	0.000	0.000
9/30/2005	4.05	1.74	0.43		0.29	0.14	0.00	0.000	0.000
10/31/2005	3.38	1.67	0.49		0.39	0.19	0.00	0.000	0.000
11/30/2005	3.01	1.81	0.60		0.48	0.25	0.00	0.000	0.000
12/31/2005	6.91	2.65	0.38		0.70	0.33	0.00	0.000	0.000
1/31/2006	7.04	2.20	0.31		0.92	0.40	0.00	0.000	0.000
2/28/2006	6.39	2.03	0.32		1.10	0.46	0.00	0.000	0.000
3/31/2006	6.14	2.28	0.37		1.29	0.53	0.00	0.000	0.000
4/30/2006	5.87	2.15	0.37		1.46	0.59	0.00	0.000	0.000
5/31/2006	5.19	1.91	0.37		1.62	0.65	0.00	0.000	0.000
6/30/2006	4.84	1.59	0.33		1.77	0.70	0.00	0.000	0.000
7/31/2006	4.59	1.40	0.30		1.91	0.74	0.00	0.000	0.000
8/31/2006	4.44	1.42	0.32		2.05	0.79	0.00	0.000	0.000
9/30/2006	4.10	1.31	0.32		2.17	0.82	0.00	0.000	0.000
10/31/2006	4.28	1.36	0.32		2.30	0.87	0.00	0.000	0.000
11/30/2006	8.49	9.93	1.17		2.56	1.16	0.00	0.000	0.000
12/31/2006	13.95	13.91	1.00		2.99	1.60	0.00	0.000	0.000
1/31/2007	17.29	13.11	0.76		3.53	2.00	0.00	0.000	0.000
2/28/2007	15.24	9.10	0.60		3.95	2.26	0.00	0.000	0.000
3/31/2007	12.15	7.32	0.60		4.33	2.48	0.00	0.000	0.000
4/30/2007	11.67	6.75	0.58		4.68	2.69	0.00	0.000	0.000
5/31/2007	10.17	5.63	0.55		5.00	2.86	0.00	0.000	0.000
6/30/2007	8.52	10.74	1.26		5.25	3.18	0.00	0.000	0.000
7/31/2007	8.01	12.42	1.55		5.50	3.57	0.00	0.000	0.000
8/31/2007	6.74	11.72	1.74		5.71	3.93	0.00	0.000	0.000
9/30/2007	7.63	7.46	0.98		5.94	4.16	0.00	0.000	0.000
10/31/2007	8.25	6.49	0.79		6.19	4.36	0.00	0.000	0.000
11/30/2007	7.93	5.36	0.68		6.43	4.52	0.00	0.000	0.000
12/31/2007	7.33	4.91	0.67		6.66	4.67	0.00	0.000	0.000
1/31/2008	6.61	4.82	0.73		6.86	4.82	0.00	0.000	0.000
2/29/2008	5.08	3.98	0.78		7.01	4.93	0.00	0.000	0.000
3/31/2008	6.24	4.55	0.73		7.20	5.08	0.00	0.000	0.000
4/30/2008	6.90	4.78	0.69		7.41	5.22	0.00	0.000	0.000
5/31/2008	6.41	5.26	0.82		7.61	5.38	0.00	0.000	0.000
6/30/2008	6.95	5.75	0.83		7.82	5.55	0.00	0.000	0.000
7/31/2008	7.76	7.01	0.90		8.06	5.77	0.00	0.000	0.000
8/31/2008	7.58	5.55	0.73		8.29	5.94	0.00	0.000	0.000
9/30/2008	6.69	4.66	0.70		8.50	6.08	0.00	0.000	0.000
10/31/2008	6.35	4.52	0.71		8.69	6.22	0.00	0.000	0.000
11/30/2008	5.91	4.17	0.70		8.87	6.35	0.00	0.000	0.000
12/31/2008	5.33	4.09	0.77		9.03	6.48	0.00	0.000	0.000
1/31/2009	5.33	4.08	0.77		9.20	6.60	0.00	0.000	0.000
2/28/2009	5.08	4.33	0.85		9.34	6.72	0.00	0.000	0.000
3/31/2009	5.28	4.56	0.86		9.51	6.86	0.00	0.000	0.000
4/30/2009	4.67	5.87	1.26		9.65	7.04	0.00	0.000	0.000
5/31/2009	4.62	4.19	0.91		9.79	7.17	0.00	0.000	0.000
6/30/2009	4.62	3.54	0.77		9.93	7.28	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
7/31/2009	4.41	3.34	0.76		10.06	7.38	0.00	0.000	0.000
8/31/2009	4.22	3.14	0.74		10.20	7.48	0.00	0.000	0.000
9/30/2009	3.92	3.05	0.78		10.31	7.57	0.00	0.000	0.000
10/31/2009	3.88	3.20	0.82		10.43	7.67	0.00	0.000	0.000
11/30/2009	3.70	4.42	1.19		10.54	7.80	0.00	0.000	0.000
12/31/2009	3.52	4.24	1.20		10.65	7.93	0.00	0.000	0.000
1/31/2010	3.53	4.06	1.15		10.76	8.06	0.00	0.000	0.000
2/28/2010	3.50	3.54	1.01		10.86	8.16	0.00	0.000	0.000
3/31/2010	3.15	2.99	0.95		10.96	8.25	0.00	0.000	0.000
4/30/2010	3.40	3.05	0.89		11.06	8.34	0.00	0.000	0.000
5/31/2010	3.36	2.93	0.87		11.16	8.43	0.00	0.000	0.000
6/30/2010	3.34	2.96	0.89		11.26	8.52	0.00	0.000	0.000
7/31/2010	3.19	2.71	0.85		11.36	8.60	0.00	0.000	0.000
8/31/2010	3.09	3.62	1.17		11.46	8.72	0.00	0.000	0.000
9/30/2010	3.12	3.58	1.15		11.55	8.82	0.00	0.000	0.000
10/31/2010	3.01	3.40	1.13		11.65	8.93	0.00	0.000	0.000
11/30/2010	3.08	3.01	0.98		11.74	9.02	0.00	0.000	0.000
12/31/2010	2.41	2.46	1.02		11.81	9.10	0.00	0.000	0.000
1/31/2011	2.78	2.50	0.90		11.90	9.17	0.00	0.000	0.000
2/28/2011	2.93	2.84	0.97		11.98	9.25	0.00	0.000	0.000
3/31/2011	2.89	3.10	1.07		12.07	9.35	0.00	0.000	0.000
4/30/2011	2.78	3.24	1.17		12.15	9.45	0.00	0.000	0.000
5/31/2011	2.54	3.31	1.30		12.23	9.55	0.00	0.000	0.000
6/30/2011	2.61	3.31	1.27		12.31	9.65	0.00	0.000	0.000
7/31/2011	2.69	2.78	1.03		12.40	9.74	0.00	0.000	0.000
8/31/2011	2.72	2.69	0.99		12.48	9.82	0.00	0.000	0.000
9/30/2011	2.65	2.47	0.93		12.56	9.89	0.00	0.000	0.000
10/31/2011	2.56	2.45	0.96		12.64	9.97	0.00	0.000	0.000
11/30/2011	2.65	2.44	0.92		12.72	10.04	0.00	0.000	0.000
12/31/2011	2.48	2.41	0.97		12.79	10.12	0.00	0.000	0.000
1/31/2012	2.65	2.35	0.89		12.88	10.19	0.00	0.000	0.000
2/29/2012	2.51	2.28	0.91		12.95	10.26	0.00	0.000	0.000
3/31/2012	2.53	2.45	0.97		13.03	10.33	0.00	0.000	0.000
4/30/2012	2.57	2.22	0.87		13.10	10.40	0.00	0.000	0.000
5/31/2012	2.60	2.13	0.82		13.19	10.46	0.00	0.000	0.000
6/30/2012	2.54	2.07	0.81		13.26	10.53	0.00	0.000	0.000
7/31/2012	2.55	2.14	0.84		13.34	10.59	0.00	0.000	0.000
8/31/2012	2.51	2.18	0.87		13.42	10.66	0.00	0.000	0.000
9/30/2012	2.44	2.30	0.94		13.49	10.73	0.00	0.000	0.000
10/31/2012	2.21	2.05	0.93		13.56	10.79	0.00	0.000	0.000
11/30/2012	2.39	2.24	0.94		13.63	10.86	0.00	0.000	0.000
12/31/2012	2.39	2.23	0.93		13.71	10.93	0.00	0.000	0.000



# Pattern: 02/04-33-007-29Inj Set: SinclairUnit#8

Oil Formation Vol Factor : 1.07100 m<sup>3</sup>/m<sup>3</sup>

Water Formation Vol Factor : 1.00150 m<sup>3</sup>/m<sup>3</sup>

Water / Oil Ratio : 0.78 m<sup>3</sup>/m<sup>3</sup>

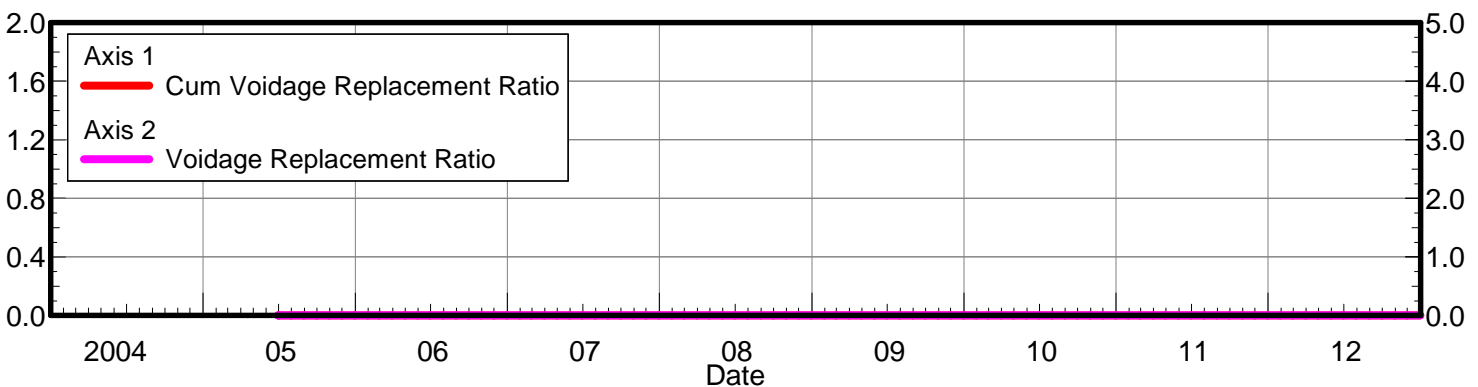
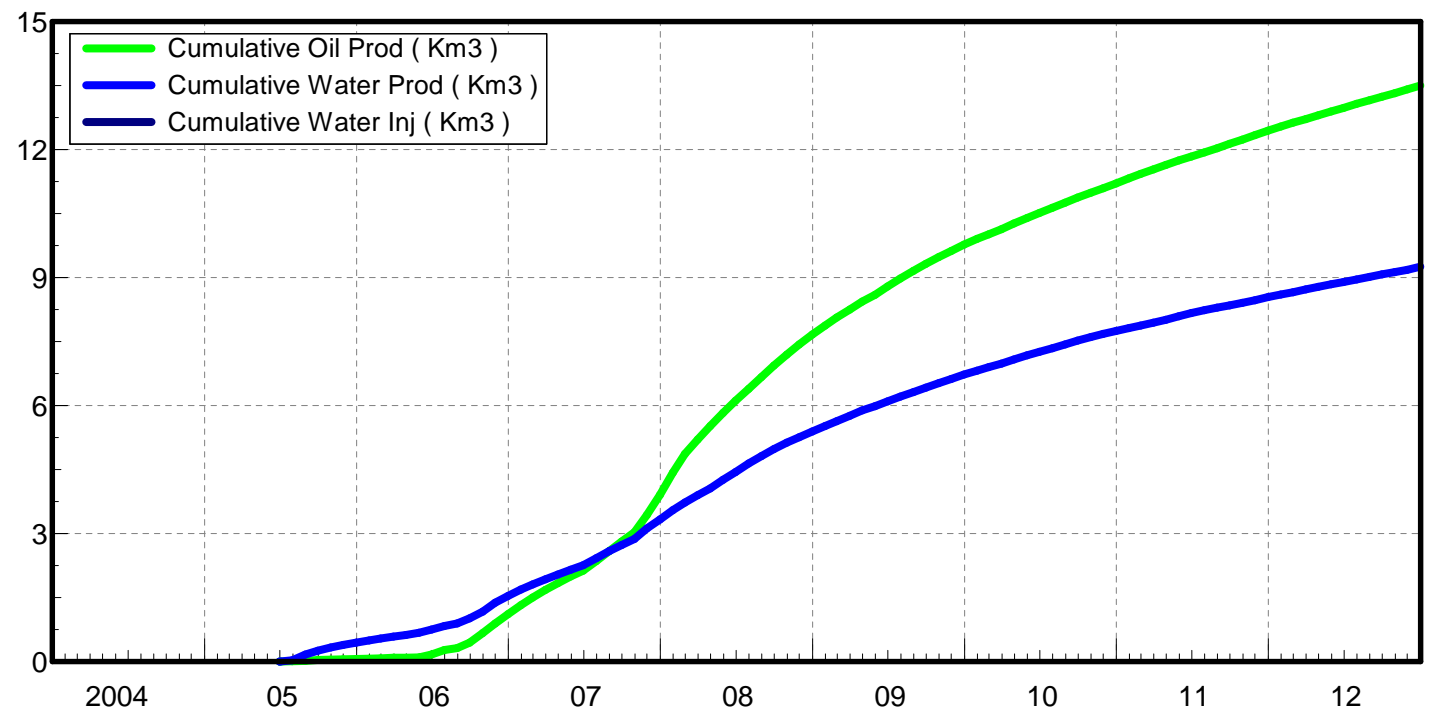
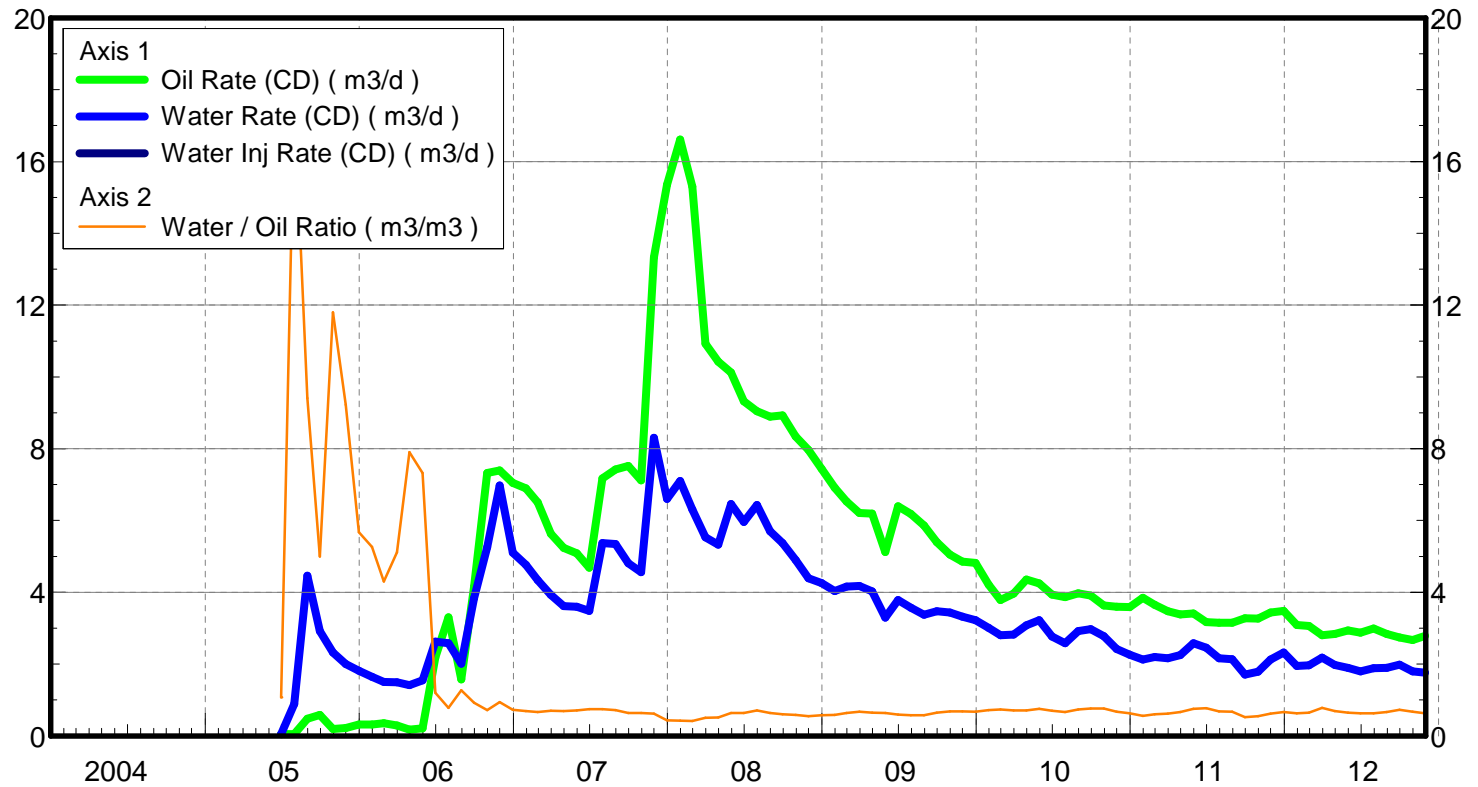
March 13, 2013

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 2.93 m<sup>3</sup>/d

Water Rate (CD) : 2.30 m<sup>3</sup>/d

Water Inj Rate (CD) : \* m<sup>3</sup>/d



Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemnt Ratio
6/30/2005	0.05	0.05	1.07		0.00	0.00	0.00	0.000	0.000
7/31/2005	0.05	0.89	17.71		0.00	0.03	0.00	0.000	0.000
8/31/2005	0.47	4.46	9.41		0.02	0.17	0.00	0.000	0.000
9/30/2005	0.58	2.92	4.99		0.04	0.25	0.00	0.000	0.000
10/31/2005	0.20	2.32	11.80		0.04	0.33	0.00	0.000	0.000
11/30/2005	0.22	2.00	9.22		0.05	0.39	0.00	0.000	0.000
12/31/2005	0.32	1.81	5.68		0.06	0.44	0.00	0.000	0.000
1/31/2006	0.31	1.65	5.26		0.07	0.49	0.00	0.000	0.000
2/28/2006	0.35	1.51	4.30		0.08	0.54	0.00	0.000	0.000
3/31/2006	0.29	1.49	5.12		0.09	0.58	0.00	0.000	0.000
4/30/2006	0.18	1.41	7.91		0.09	0.62	0.00	0.000	0.000
5/31/2006	0.21	1.55	7.32		0.10	0.67	0.00	0.000	0.000
6/30/2006	2.19	2.62	1.20		0.16	0.75	0.00	0.000	0.000
7/31/2006	3.30	2.58	0.78		0.27	0.83	0.00	0.000	0.000
8/31/2006	1.58	2.01	1.27		0.32	0.89	0.00	0.000	0.000
9/30/2006	4.16	3.84	0.92		0.44	1.01	0.00	0.000	0.000
10/31/2006	7.32	5.26	0.72		0.67	1.17	0.00	0.000	0.000
11/30/2006	7.39	6.97	0.94		0.89	1.38	0.00	0.000	0.000
12/31/2006	7.04	5.10	0.72		1.11	1.54	0.00	0.000	0.000
1/31/2007	6.90	4.77	0.69		1.32	1.69	0.00	0.000	0.000
2/28/2007	6.50	4.34	0.67		1.50	1.81	0.00	0.000	0.000
3/31/2007	5.63	3.93	0.70		1.68	1.93	0.00	0.000	0.000
4/30/2007	5.24	3.62	0.69		1.83	2.04	0.00	0.000	0.000
5/31/2007	5.08	3.60	0.71		1.99	2.15	0.00	0.000	0.000
6/30/2007	4.68	3.48	0.74		2.13	2.25	0.00	0.000	0.000
7/31/2007	7.17	5.37	0.75		2.36	2.42	0.00	0.000	0.000
8/31/2007	7.42	5.34	0.72		2.59	2.59	0.00	0.000	0.000
9/30/2007	7.52	4.81	0.64		2.81	2.73	0.00	0.000	0.000
10/31/2007	7.12	4.56	0.64		3.03	2.87	0.00	0.000	0.000
11/30/2007	13.33	8.30	0.62		3.43	3.12	0.00	0.000	0.000
12/31/2007	15.35	6.60	0.43		3.91	3.33	0.00	0.000	0.000
1/31/2008	16.62	7.10	0.43		4.42	3.55	0.00	0.000	0.000
2/29/2008	15.30	6.31	0.41		4.87	3.73	0.00	0.000	0.000
3/31/2008	10.93	5.53	0.51		5.20	3.90	0.00	0.000	0.000
4/30/2008	10.43	5.32	0.51		5.52	4.06	0.00	0.000	0.000
5/31/2008	10.12	6.46	0.64		5.83	4.26	0.00	0.000	0.000
6/30/2008	9.32	5.96	0.64		6.11	4.44	0.00	0.000	0.000
7/31/2008	9.04	6.43	0.71		6.39	4.64	0.00	0.000	0.000
8/31/2008	8.89	5.70	0.64		6.67	4.82	0.00	0.000	0.000
9/30/2008	8.93	5.37	0.60		6.93	4.98	0.00	0.000	0.000
10/31/2008	8.34	4.90	0.59		7.19	5.13	0.00	0.000	0.000
11/30/2008	7.96	4.39	0.55		7.43	5.26	0.00	0.000	0.000
12/31/2008	7.44	4.26	0.57		7.66	5.39	0.00	0.000	0.000
1/31/2009	6.91	4.04	0.58		7.88	5.52	0.00	0.000	0.000
2/28/2009	6.53	4.16	0.64		8.06	5.63	0.00	0.000	0.000
3/31/2009	6.21	4.18	0.67		8.25	5.76	0.00	0.000	0.000
4/30/2009	6.19	4.03	0.65		8.44	5.88	0.00	0.000	0.000
5/31/2009	5.12	3.29	0.64		8.60	5.99	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
6/30/2009	6.40	3.79	0.59		8.79	6.10	0.00	0.000	0.000
7/31/2009	6.18	3.57	0.58		8.98	6.21	0.00	0.000	0.000
8/31/2009	5.86	3.38	0.58		9.16	6.32	0.00	0.000	0.000
9/30/2009	5.40	3.48	0.64		9.32	6.42	0.00	0.000	0.000
10/31/2009	5.05	3.44	0.68		9.48	6.53	0.00	0.000	0.000
11/30/2009	4.85	3.32	0.68		9.63	6.63	0.00	0.000	0.000
12/31/2009	4.82	3.23	0.67		9.78	6.73	0.00	0.000	0.000
1/31/2010	4.21	3.01	0.71		9.91	6.82	0.00	0.000	0.000
2/28/2010	3.78	2.80	0.74		10.01	6.90	0.00	0.000	0.000
3/31/2010	3.96	2.82	0.71		10.14	6.99	0.00	0.000	0.000
4/30/2010	4.36	3.08	0.71		10.27	7.08	0.00	0.000	0.000
5/31/2010	4.25	3.22	0.76		10.40	7.18	0.00	0.000	0.000
6/30/2010	3.94	2.77	0.70		10.52	7.26	0.00	0.000	0.000
7/31/2010	3.86	2.58	0.67		10.64	7.34	0.00	0.000	0.000
8/31/2010	3.97	2.92	0.73		10.76	7.43	0.00	0.000	0.000
9/30/2010	3.91	2.97	0.76		10.88	7.52	0.00	0.000	0.000
10/31/2010	3.64	2.78	0.76		10.99	7.61	0.00	0.000	0.000
11/30/2010	3.60	2.42	0.67		11.10	7.68	0.00	0.000	0.000
12/31/2010	3.59	2.26	0.63		11.21	7.75	0.00	0.000	0.000
1/31/2011	3.85	2.13	0.55		11.33	7.81	0.00	0.000	0.000
2/28/2011	3.65	2.20	0.60		11.43	7.88	0.00	0.000	0.000
3/31/2011	3.47	2.17	0.62		11.54	7.94	0.00	0.000	0.000
4/30/2011	3.38	2.25	0.67		11.64	8.01	0.00	0.000	0.000
5/31/2011	3.41	2.59	0.76		11.74	8.09	0.00	0.000	0.000
6/30/2011	3.17	2.46	0.78		11.84	8.17	0.00	0.000	0.000
7/31/2011	3.15	2.16	0.68		11.94	8.23	0.00	0.000	0.000
8/31/2011	3.15	2.13	0.68		12.03	8.30	0.00	0.000	0.000
9/30/2011	3.27	1.70	0.52		12.13	8.35	0.00	0.000	0.000
10/31/2011	3.26	1.79	0.55		12.23	8.40	0.00	0.000	0.000
11/30/2011	3.44	2.13	0.62		12.34	8.47	0.00	0.000	0.000
12/31/2011	3.48	2.33	0.67		12.45	8.54	0.00	0.000	0.000
1/31/2012	3.09	1.95	0.63		12.54	8.60	0.00	0.000	0.000
2/29/2012	3.06	1.97	0.64		12.63	8.66	0.00	0.000	0.000
3/31/2012	2.80	2.18	0.78		12.72	8.73	0.00	0.000	0.000
4/30/2012	2.84	1.98	0.70		12.80	8.79	0.00	0.000	0.000
5/31/2012	2.94	1.90	0.65		12.89	8.84	0.00	0.000	0.000
6/30/2012	2.88	1.80	0.62		12.98	8.90	0.00	0.000	0.000
7/31/2012	2.99	1.89	0.63		13.07	8.96	0.00	0.000	0.000
8/31/2012	2.84	1.90	0.67		13.16	9.02	0.00	0.000	0.000
9/30/2012	2.74	1.98	0.72		13.24	9.07	0.00	0.000	0.000
10/31/2012	2.67	1.80	0.67		13.33	9.13	0.00	0.000	0.000
11/30/2012	2.79	1.76	0.63		13.41	9.18	0.00	0.000	0.000
12/31/2012	2.93	2.30	0.78		13.50	9.25	0.00	0.000	0.000

# Pattern: 02/05-33-007-29Inj Set: SinclairUnit#8

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 1.12 m3/m3

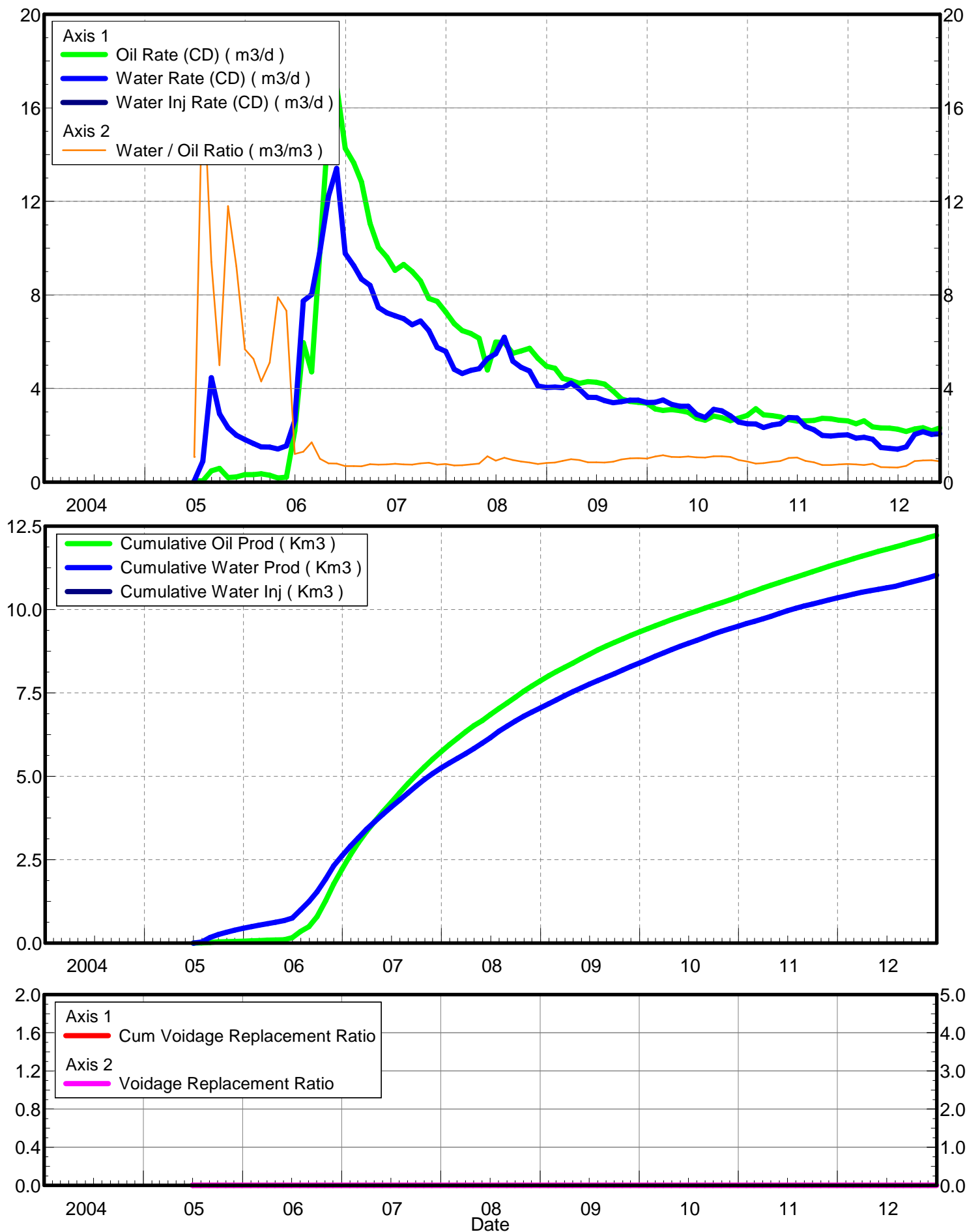
March 13, 2013

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 2.30 m3/d

Water Rate (CD) : 2.57 m3/d

Water Inj Rate (CD) : \* m3/d



Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
6/30/2005	0.05	0.05	1.07		0.00	0.00	0.00	0.000	0.000
7/31/2005	0.05	0.89	17.71		0.00	0.03	0.00	0.000	0.000
8/31/2005	0.47	4.46	9.41		0.02	0.17	0.00	0.000	0.000
9/30/2005	0.58	2.92	4.99		0.04	0.25	0.00	0.000	0.000
10/31/2005	0.20	2.32	11.80		0.04	0.33	0.00	0.000	0.000
11/30/2005	0.22	2.00	9.22		0.05	0.39	0.00	0.000	0.000
12/31/2005	0.32	1.81	5.68		0.06	0.44	0.00	0.000	0.000
1/31/2006	0.31	1.65	5.26		0.07	0.49	0.00	0.000	0.000
2/28/2006	0.35	1.51	4.30		0.08	0.54	0.00	0.000	0.000
3/31/2006	0.29	1.49	5.12		0.09	0.58	0.00	0.000	0.000
4/30/2006	0.18	1.41	7.91		0.09	0.62	0.00	0.000	0.000
5/31/2006	0.21	1.55	7.32		0.10	0.67	0.00	0.000	0.000
6/30/2006	2.19	2.62	1.20		0.16	0.75	0.00	0.000	0.000
7/31/2006	5.96	7.75	1.30		0.35	0.99	0.00	0.000	0.000
8/31/2006	4.71	8.02	1.70		0.49	1.24	0.00	0.000	0.000
9/30/2006	9.95	9.88	0.99		0.79	1.54	0.00	0.000	0.000
10/31/2006	15.34	12.24	0.80		1.27	1.92	0.00	0.000	0.000
11/30/2006	16.94	13.41	0.79		1.78	2.32	0.00	0.000	0.000
12/31/2006	14.27	9.77	0.69		2.22	2.62	0.00	0.000	0.000
1/31/2007	13.64	9.25	0.68		2.64	2.91	0.00	0.000	0.000
2/28/2007	12.83	8.68	0.68		3.00	3.15	0.00	0.000	0.000
3/31/2007	11.06	8.41	0.76		3.34	3.41	0.00	0.000	0.000
4/30/2007	10.03	7.46	0.74		3.65	3.64	0.00	0.000	0.000
5/31/2007	9.61	7.24	0.75		3.94	3.86	0.00	0.000	0.000
6/30/2007	9.06	7.11	0.78		4.21	4.07	0.00	0.000	0.000
7/31/2007	9.31	6.99	0.75		4.50	4.29	0.00	0.000	0.000
8/31/2007	9.00	6.73	0.75		4.78	4.50	0.00	0.000	0.000
9/30/2007	8.60	6.89	0.80		5.04	4.70	0.00	0.000	0.000
10/31/2007	7.85	6.48	0.83		5.28	4.91	0.00	0.000	0.000
11/30/2007	7.72	5.76	0.75		5.52	5.08	0.00	0.000	0.000
12/31/2007	7.27	5.58	0.77		5.74	5.25	0.00	0.000	0.000
1/31/2008	6.77	4.82	0.71		5.95	5.40	0.00	0.000	0.000
2/29/2008	6.47	4.64	0.72		6.14	5.54	0.00	0.000	0.000
3/31/2008	6.35	4.77	0.75		6.34	5.68	0.00	0.000	0.000
4/30/2008	6.15	4.85	0.79		6.52	5.83	0.00	0.000	0.000
5/31/2008	4.79	5.28	1.10		6.67	5.99	0.00	0.000	0.000
6/30/2008	5.99	5.49	0.92		6.85	6.16	0.00	0.000	0.000
7/31/2008	5.96	6.19	1.04		7.03	6.35	0.00	0.000	0.000
8/31/2008	5.50	5.17	0.94		7.20	6.51	0.00	0.000	0.000
9/30/2008	5.61	4.91	0.88		7.37	6.66	0.00	0.000	0.000
10/31/2008	5.72	4.75	0.83		7.55	6.80	0.00	0.000	0.000
11/30/2008	5.29	4.11	0.78		7.71	6.93	0.00	0.000	0.000
12/31/2008	4.95	4.04	0.82		7.86	7.05	0.00	0.000	0.000
1/31/2009	4.86	4.06	0.84		8.01	7.18	0.00	0.000	0.000
2/28/2009	4.44	4.03	0.91		8.14	7.29	0.00	0.000	0.000
3/31/2009	4.34	4.23	0.98		8.27	7.42	0.00	0.000	0.000
4/30/2009	4.22	3.98	0.94		8.40	7.54	0.00	0.000	0.000
5/31/2009	4.29	3.63	0.85		8.53	7.65	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
6/30/2009	4.27	3.61	0.85		8.66	7.76	0.00	0.000	0.000
7/31/2009	4.19	3.48	0.83		8.79	7.87	0.00	0.000	0.000
8/31/2009	3.89	3.39	0.87		8.91	7.98	0.00	0.000	0.000
9/30/2009	3.55	3.43	0.97		9.02	8.08	0.00	0.000	0.000
10/31/2009	3.44	3.50	1.02		9.12	8.19	0.00	0.000	0.000
11/30/2009	3.41	3.50	1.02		9.22	8.29	0.00	0.000	0.000
12/31/2009	3.37	3.40	1.01		9.33	8.40	0.00	0.000	0.000
1/31/2010	3.12	3.41	1.09		9.43	8.50	0.00	0.000	0.000
2/28/2010	3.06	3.51	1.15		9.51	8.60	0.00	0.000	0.000
3/31/2010	3.10	3.32	1.07		9.61	8.70	0.00	0.000	0.000
4/30/2010	3.05	3.25	1.06		9.70	8.80	0.00	0.000	0.000
5/31/2010	2.98	3.25	1.09		9.79	8.90	0.00	0.000	0.000
6/30/2010	2.73	2.90	1.06		9.87	8.99	0.00	0.000	0.000
7/31/2010	2.64	2.76	1.04		9.96	9.07	0.00	0.000	0.000
8/31/2010	2.82	3.10	1.10		10.04	9.17	0.00	0.000	0.000
9/30/2010	2.75	3.04	1.11		10.13	9.26	0.00	0.000	0.000
10/31/2010	2.62	2.83	1.08		10.21	9.35	0.00	0.000	0.000
11/30/2010	2.73	2.56	0.94		10.29	9.43	0.00	0.000	0.000
12/31/2010	2.85	2.49	0.88		10.38	9.50	0.00	0.000	0.000
1/31/2011	3.14	2.48	0.79		10.47	9.58	0.00	0.000	0.000
2/28/2011	2.87	2.33	0.81		10.55	9.65	0.00	0.000	0.000
3/31/2011	2.84	2.44	0.86		10.64	9.72	0.00	0.000	0.000
4/30/2011	2.78	2.49	0.89		10.73	9.80	0.00	0.000	0.000
5/31/2011	2.67	2.76	1.03		10.81	9.88	0.00	0.000	0.000
6/30/2011	2.61	2.74	1.05		10.89	9.96	0.00	0.000	0.000
7/31/2011	2.61	2.37	0.91		10.97	10.04	0.00	0.000	0.000
8/31/2011	2.64	2.23	0.85		11.05	10.11	0.00	0.000	0.000
9/30/2011	2.73	1.99	0.73		11.13	10.17	0.00	0.000	0.000
10/31/2011	2.71	1.97	0.73		11.22	10.23	0.00	0.000	0.000
11/30/2011	2.65	2.00	0.76		11.29	10.29	0.00	0.000	0.000
12/31/2011	2.62	2.02	0.77		11.38	10.35	0.00	0.000	0.000
1/31/2012	2.49	1.88	0.75		11.45	10.41	0.00	0.000	0.000
2/29/2012	2.61	1.91	0.73		11.53	10.46	0.00	0.000	0.000
3/31/2012	2.36	1.83	0.78		11.60	10.52	0.00	0.000	0.000
4/30/2012	2.32	1.47	0.64		11.67	10.56	0.00	0.000	0.000
5/31/2012	2.30	1.44	0.63		11.74	10.61	0.00	0.000	0.000
6/30/2012	2.26	1.40	0.62		11.81	10.65	0.00	0.000	0.000
7/31/2012	2.16	1.50	0.69		11.88	10.70	0.00	0.000	0.000
8/31/2012	2.27	2.03	0.90		11.95	10.76	0.00	0.000	0.000
9/30/2012	2.33	2.15	0.93		12.02	10.83	0.00	0.000	0.000
10/31/2012	2.19	2.04	0.93		12.09	10.89	0.00	0.000	0.000
11/30/2012	2.32	2.07	0.89		12.16	10.95	0.00	0.000	0.000
12/31/2012	2.30	2.57	1.12		12.23	11.03	0.00	0.000	0.000

Oil Formation Vol Factor : 1.07100 m3/m3

Pattern: 03/05-33-007-29Inj Set: SinclairUnit#8

Water Formation Vol Factor : 1.00150 m3/m3

March 13, 2013

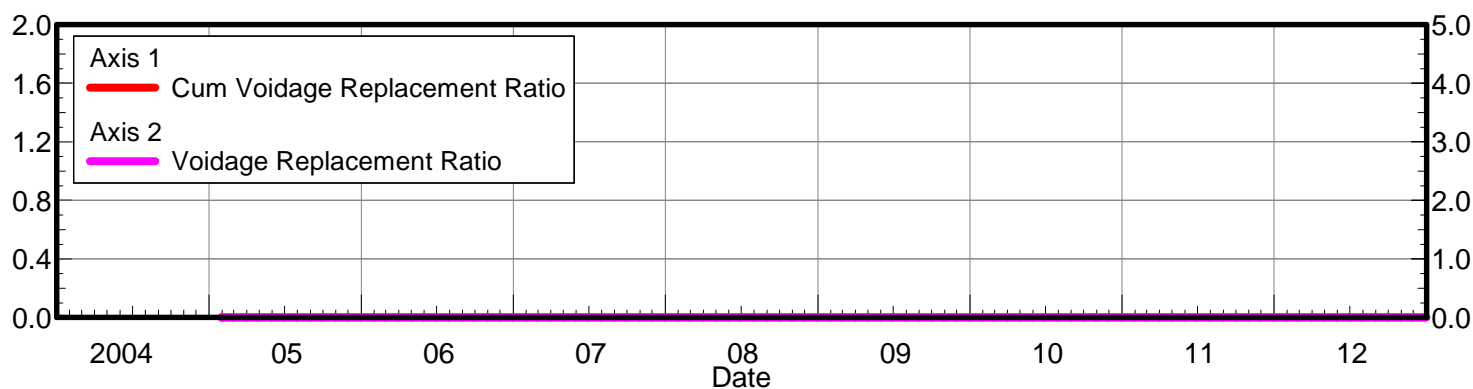
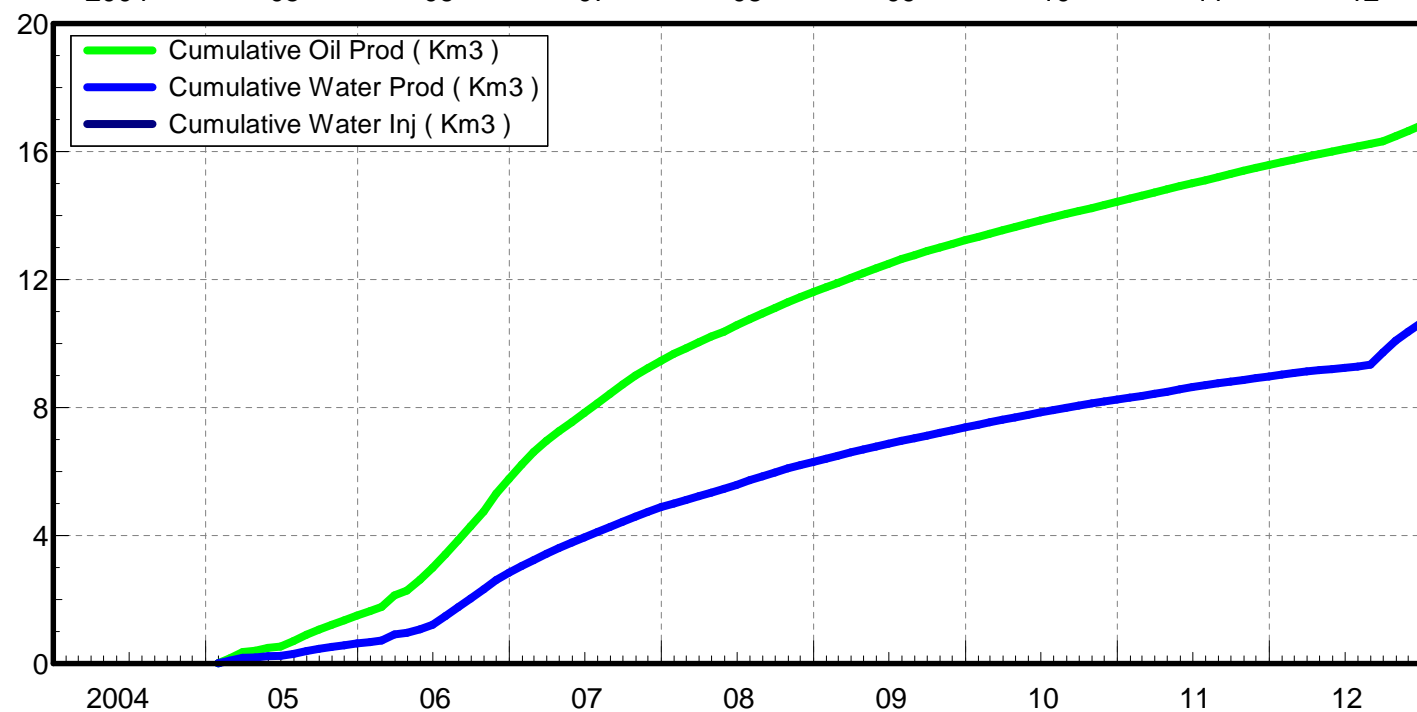
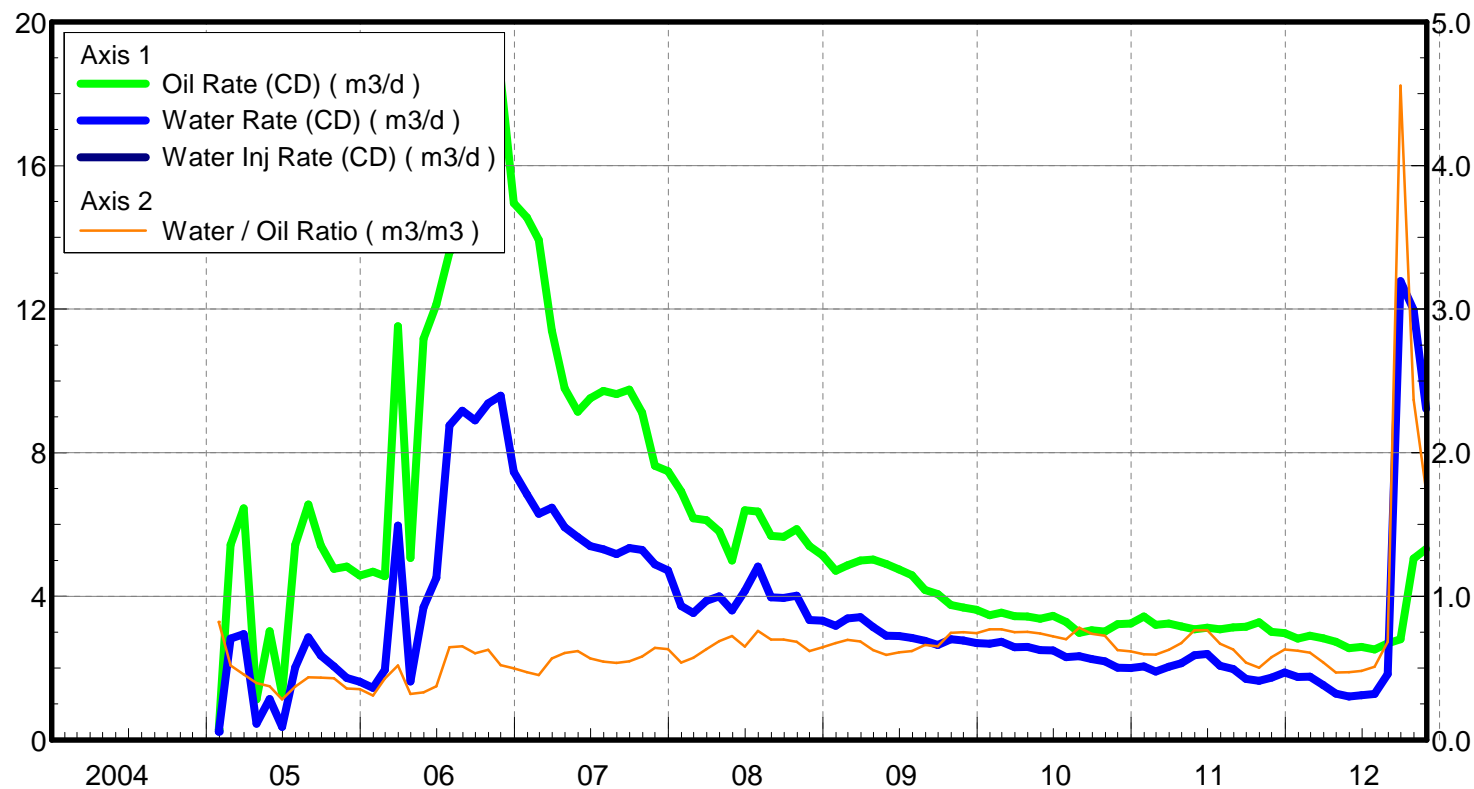
Water / Oil Ratio : 1.55 m3/m3

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 5.88 m3/d

Water Rate (CD) : 9.14 m3/d

Water Inj Rate (CD) : \* m3/d



Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemnt Ratio
1/31/2005	0.28	0.23	0.82		0.01	0.01	0.00	0.000	0.000
2/28/2005	5.43	2.82	0.52		0.16	0.09	0.00	0.000	0.000
3/31/2005	6.45	2.95	0.46		0.36	0.18	0.00	0.000	0.000
4/30/2005	1.13	0.45	0.40		0.39	0.19	0.00	0.000	0.000
5/31/2005	3.03	1.13	0.37		0.49	0.23	0.00	0.000	0.000
6/30/2005	1.28	0.36	0.28		0.53	0.24	0.00	0.000	0.000
7/31/2005	5.43	2.02	0.37		0.70	0.30	0.00	0.000	0.000
8/31/2005	6.56	2.86	0.44		0.90	0.39	0.00	0.000	0.000
9/30/2005	5.42	2.35	0.43		1.06	0.46	0.00	0.000	0.000
10/31/2005	4.77	2.05	0.43		1.21	0.52	0.00	0.000	0.000
11/30/2005	4.82	1.72	0.36		1.35	0.57	0.00	0.000	0.000
12/31/2005	4.58	1.62	0.35		1.50	0.62	0.00	0.000	0.000
1/31/2006	4.68	1.45	0.31		1.64	0.67	0.00	0.000	0.000
2/28/2006	4.56	1.95	0.43		1.77	0.72	0.00	0.000	0.000
3/31/2006	11.52	5.97	0.52		2.13	0.91	0.00	0.000	0.000
4/30/2006	5.07	1.62	0.32		2.28	0.96	0.00	0.000	0.000
5/31/2006	11.17	3.70	0.33		2.62	1.07	0.00	0.000	0.000
6/30/2006	12.13	4.52	0.37		2.99	1.21	0.00	0.000	0.000
7/31/2006	13.58	8.75	0.64		3.41	1.48	0.00	0.000	0.000
8/31/2006	14.06	9.17	0.65		3.84	1.76	0.00	0.000	0.000
9/30/2006	14.78	8.90	0.60		4.29	2.03	0.00	0.000	0.000
10/31/2006	14.96	9.38	0.63		4.75	2.32	0.00	0.000	0.000
11/30/2006	18.44	9.59	0.52		5.30	2.61	0.00	0.000	0.000
12/31/2006	14.95	7.46	0.50		5.77	2.84	0.00	0.000	0.000
1/31/2007	14.55	6.84	0.47		6.22	3.05	0.00	0.000	0.000
2/28/2007	13.93	6.29	0.45		6.61	3.23	0.00	0.000	0.000
3/31/2007	11.40	6.47	0.57		6.96	3.43	0.00	0.000	0.000
4/30/2007	9.79	5.93	0.61		7.26	3.61	0.00	0.000	0.000
5/31/2007	9.15	5.65	0.62		7.54	3.78	0.00	0.000	0.000
6/30/2007	9.52	5.40	0.57		7.83	3.94	0.00	0.000	0.000
7/31/2007	9.72	5.31	0.55		8.13	4.11	0.00	0.000	0.000
8/31/2007	9.63	5.17	0.54		8.43	4.27	0.00	0.000	0.000
9/30/2007	9.76	5.35	0.55		8.72	4.43	0.00	0.000	0.000
10/31/2007	9.11	5.29	0.58		9.00	4.59	0.00	0.000	0.000
11/30/2007	7.63	4.89	0.64		9.23	4.74	0.00	0.000	0.000
12/31/2007	7.48	4.72	0.63		9.46	4.89	0.00	0.000	0.000
1/31/2008	6.92	3.73	0.54		9.68	5.00	0.00	0.000	0.000
2/29/2008	6.18	3.54	0.57		9.86	5.10	0.00	0.000	0.000
3/31/2008	6.12	3.87	0.63		10.05	5.22	0.00	0.000	0.000
4/30/2008	5.80	4.00	0.69		10.22	5.34	0.00	0.000	0.000
5/31/2008	4.99	3.61	0.72		10.37	5.46	0.00	0.000	0.000
6/30/2008	6.39	4.15	0.65		10.57	5.58	0.00	0.000	0.000
7/31/2008	6.36	4.83	0.76		10.76	5.73	0.00	0.000	0.000
8/31/2008	5.69	3.97	0.70		10.94	5.85	0.00	0.000	0.000
9/30/2008	5.66	3.96	0.70		11.11	5.97	0.00	0.000	0.000
10/31/2008	5.87	4.01	0.68		11.29	6.10	0.00	0.000	0.000
11/30/2008	5.40	3.34	0.62		11.45	6.20	0.00	0.000	0.000
12/31/2008	5.14	3.32	0.65		11.61	6.30	0.00	0.000	0.000



Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
1/31/2009	4.71	3.18	0.67		11.76	6.40	0.00	0.000	0.000
2/28/2009	4.86	3.39	0.70		11.89	6.49	0.00	0.000	0.000
3/31/2009	4.99	3.42	0.69		12.05	6.60	0.00	0.000	0.000
4/30/2009	5.02	3.15	0.63		12.20	6.69	0.00	0.000	0.000
5/31/2009	4.90	2.90	0.59		12.35	6.78	0.00	0.000	0.000
6/30/2009	4.75	2.90	0.61		12.49	6.87	0.00	0.000	0.000
7/31/2009	4.59	2.84	0.62		12.64	6.96	0.00	0.000	0.000
8/31/2009	4.18	2.76	0.66		12.77	7.04	0.00	0.000	0.000
9/30/2009	4.06	2.65	0.65		12.89	7.12	0.00	0.000	0.000
10/31/2009	3.76	2.80	0.74		13.00	7.21	0.00	0.000	0.000
11/30/2009	3.69	2.77	0.75		13.12	7.29	0.00	0.000	0.000
12/31/2009	3.63	2.70	0.74		13.23	7.38	0.00	0.000	0.000
1/31/2010	3.47	2.68	0.77		13.34	7.46	0.00	0.000	0.000
2/28/2010	3.55	2.74	0.77		13.43	7.54	0.00	0.000	0.000
3/31/2010	3.44	2.58	0.75		13.54	7.62	0.00	0.000	0.000
4/30/2010	3.44	2.59	0.75		13.64	7.69	0.00	0.000	0.000
5/31/2010	3.37	2.50	0.74		13.75	7.77	0.00	0.000	0.000
6/30/2010	3.46	2.49	0.72		13.85	7.85	0.00	0.000	0.000
7/31/2010	3.29	2.30	0.70		13.95	7.92	0.00	0.000	0.000
8/31/2010	2.99	2.34	0.78		14.05	7.99	0.00	0.000	0.000
9/30/2010	3.05	2.25	0.74		14.14	8.06	0.00	0.000	0.000
10/31/2010	3.02	2.19	0.72		14.23	8.13	0.00	0.000	0.000
11/30/2010	3.23	2.01	0.62		14.33	8.19	0.00	0.000	0.000
12/31/2010	3.24	2.00	0.62		14.43	8.25	0.00	0.000	0.000
1/31/2011	3.44	2.05	0.60		14.54	8.31	0.00	0.000	0.000
2/28/2011	3.21	1.91	0.59		14.63	8.37	0.00	0.000	0.000
3/31/2011	3.25	2.04	0.63		14.73	8.43	0.00	0.000	0.000
4/30/2011	3.16	2.13	0.67		14.82	8.49	0.00	0.000	0.000
5/31/2011	3.08	2.36	0.76		14.92	8.57	0.00	0.000	0.000
6/30/2011	3.13	2.39	0.76		15.01	8.64	0.00	0.000	0.000
7/31/2011	3.08	2.06	0.67		15.11	8.70	0.00	0.000	0.000
8/31/2011	3.14	1.98	0.63		15.20	8.76	0.00	0.000	0.000
9/30/2011	3.15	1.70	0.54		15.30	8.81	0.00	0.000	0.000
10/31/2011	3.28	1.65	0.50		15.40	8.86	0.00	0.000	0.000
11/30/2011	3.01	1.73	0.58		15.49	8.92	0.00	0.000	0.000
12/31/2011	2.97	1.87	0.63		15.58	8.97	0.00	0.000	0.000
1/31/2012	2.82	1.75	0.62		15.67	9.03	0.00	0.000	0.000
2/29/2012	2.90	1.76	0.61		15.75	9.08	0.00	0.000	0.000
3/31/2012	2.83	1.53	0.54		15.84	9.13	0.00	0.000	0.000
4/30/2012	2.73	1.28	0.47		15.92	9.17	0.00	0.000	0.000
5/31/2012	2.56	1.21	0.47		16.00	9.20	0.00	0.000	0.000
6/30/2012	2.59	1.25	0.48		16.08	9.24	0.00	0.000	0.000
7/31/2012	2.52	1.28	0.51		16.16	9.28	0.00	0.000	0.000
8/31/2012	2.69	1.84	0.68		16.24	9.34	0.00	0.000	0.000
9/30/2012	2.81	12.78	4.56		16.33	9.72	0.00	0.000	0.000
10/31/2012	5.05	11.97	2.37		16.48	10.09	0.00	0.000	0.000
11/30/2012	5.32	9.22	1.74		16.64	10.37	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
12/31/2012	5.88	9.14	1.55		16.82	10.65	0.00	0.000	0.000

# Pattern: 02/16-33-007-29Inj Set: SinclairUnit#8

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.33 m3/m3

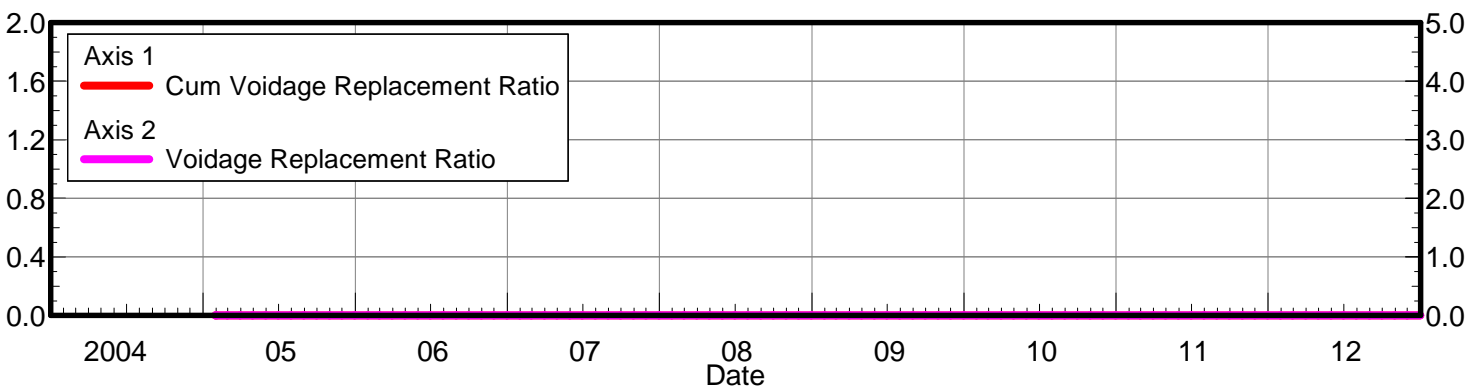
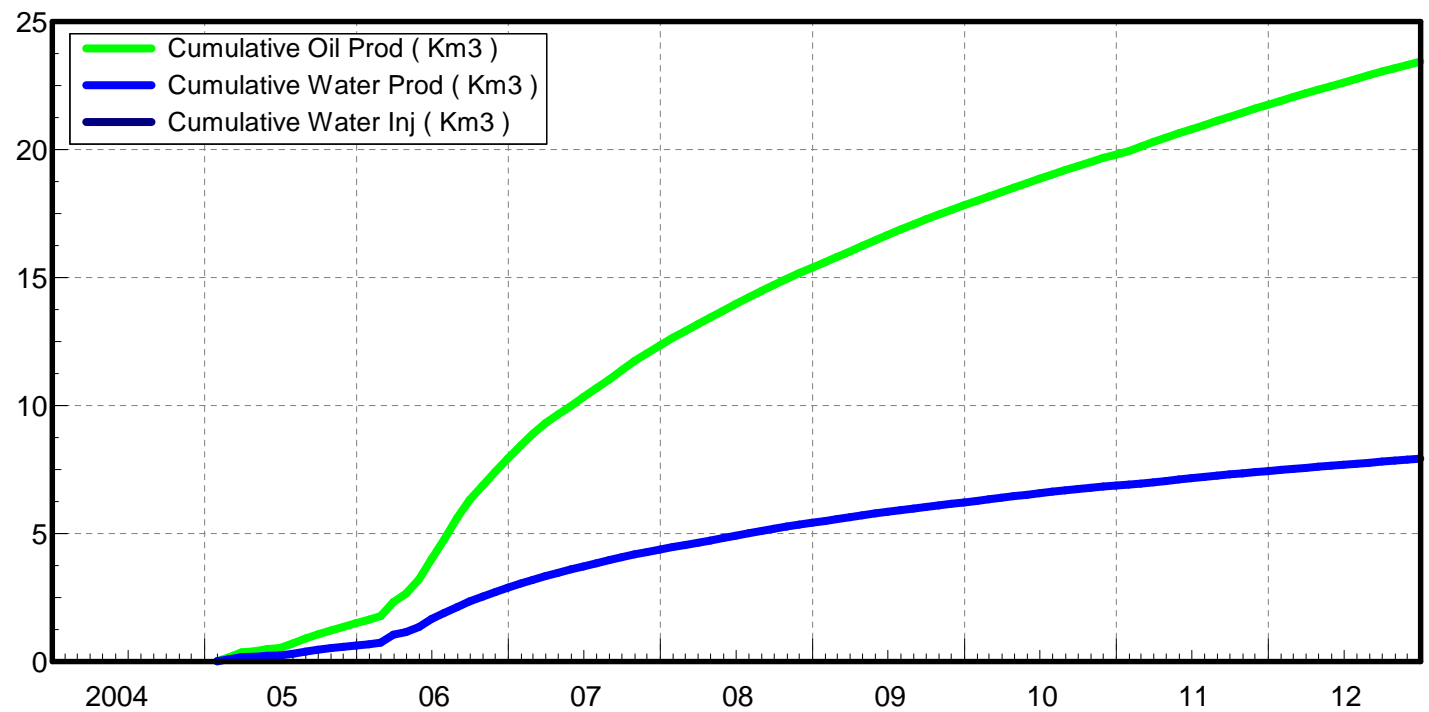
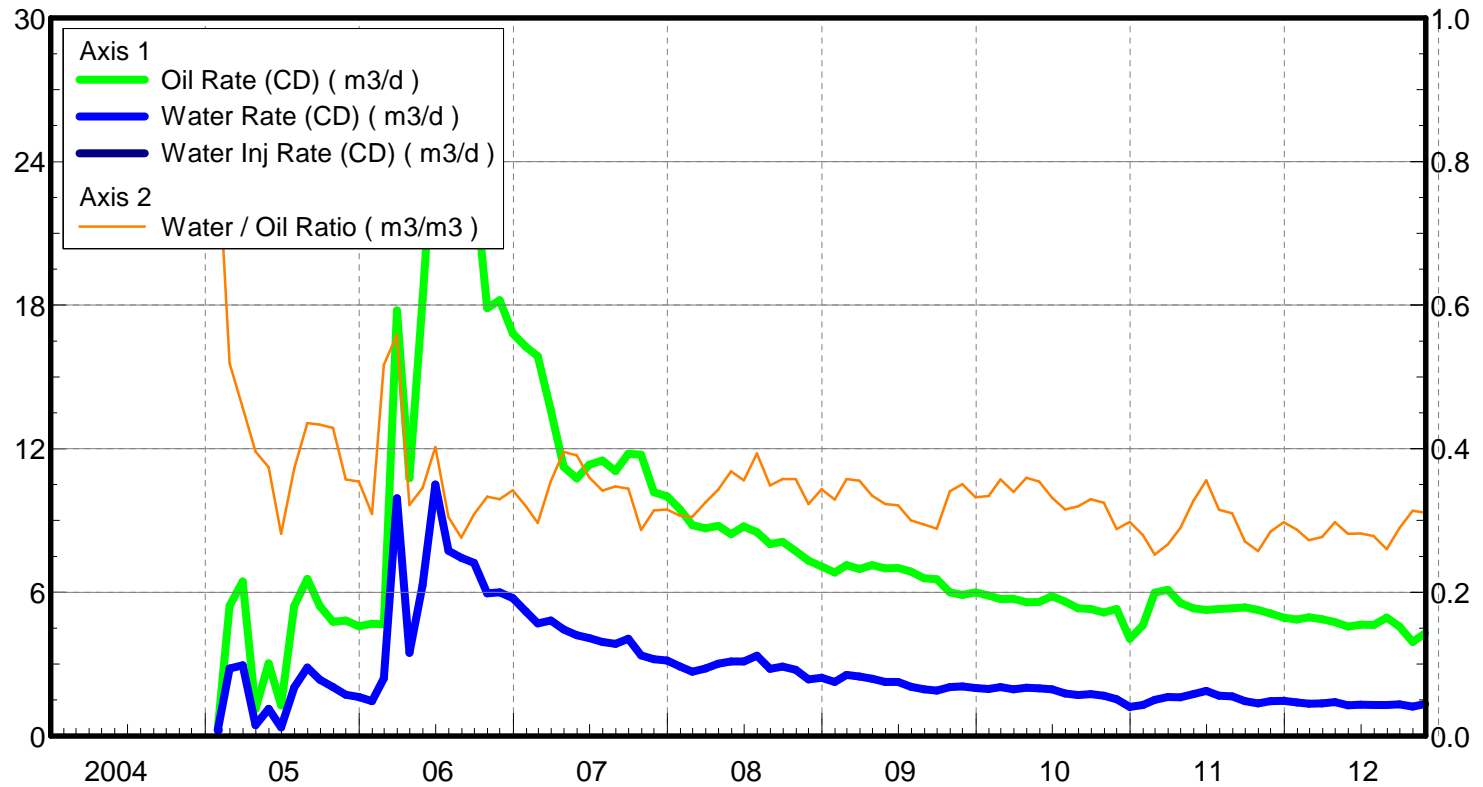
March 13, 2013

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 4.32 m3/d

Water Rate (CD) : 1.42 m3/d

Water Inj Rate (CD) : \* m3/d



Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemnt Ratio
1/31/2005	0.28	0.23	0.82		0.01	0.01	0.00	0.000	0.000
2/28/2005	5.43	2.82	0.52		0.16	0.09	0.00	0.000	0.000
3/31/2005	6.45	2.95	0.46		0.36	0.18	0.00	0.000	0.000
4/30/2005	1.13	0.45	0.40		0.39	0.19	0.00	0.000	0.000
5/31/2005	3.03	1.13	0.37		0.49	0.23	0.00	0.000	0.000
6/30/2005	1.28	0.36	0.28		0.53	0.24	0.00	0.000	0.000
7/31/2005	5.43	2.02	0.37		0.70	0.30	0.00	0.000	0.000
8/31/2005	6.56	2.86	0.44		0.90	0.39	0.00	0.000	0.000
9/30/2005	5.42	2.35	0.43		1.06	0.46	0.00	0.000	0.000
10/31/2005	4.77	2.05	0.43		1.21	0.52	0.00	0.000	0.000
11/30/2005	4.82	1.72	0.36		1.35	0.57	0.00	0.000	0.000
12/31/2005	4.58	1.62	0.35		1.50	0.62	0.00	0.000	0.000
1/31/2006	4.68	1.45	0.31		1.64	0.67	0.00	0.000	0.000
2/28/2006	4.66	2.41	0.52		1.77	0.74	0.00	0.000	0.000
3/31/2006	17.78	9.93	0.56		2.32	1.04	0.00	0.000	0.000
4/30/2006	10.77	3.46	0.32		2.65	1.15	0.00	0.000	0.000
5/31/2006	18.21	6.29	0.35		3.21	1.34	0.00	0.000	0.000
6/30/2006	26.11	10.51	0.40		3.99	1.66	0.00	0.000	0.000
7/31/2006	25.36	7.73	0.30		4.78	1.90	0.00	0.000	0.000
8/31/2006	26.94	7.44	0.28		5.61	2.13	0.00	0.000	0.000
9/30/2006	23.44	7.23	0.31		6.32	2.35	0.00	0.000	0.000
10/31/2006	17.87	5.95	0.33		6.87	2.53	0.00	0.000	0.000
11/30/2006	18.20	6.00	0.33		7.42	2.71	0.00	0.000	0.000
12/31/2006	16.82	5.75	0.34		7.94	2.89	0.00	0.000	0.000
1/31/2007	16.25	5.20	0.32		8.44	3.05	0.00	0.000	0.000
2/28/2007	15.86	4.71	0.30		8.89	3.18	0.00	0.000	0.000
3/31/2007	13.59	4.82	0.35		9.31	3.33	0.00	0.000	0.000
4/30/2007	11.24	4.44	0.40		9.65	3.46	0.00	0.000	0.000
5/31/2007	10.76	4.20	0.39		9.98	3.59	0.00	0.000	0.000
6/30/2007	11.33	4.08	0.36		10.32	3.72	0.00	0.000	0.000
7/31/2007	11.50	3.93	0.34		10.68	3.84	0.00	0.000	0.000
8/31/2007	11.07	3.84	0.35		11.02	3.96	0.00	0.000	0.000
9/30/2007	11.79	4.06	0.34		11.37	4.08	0.00	0.000	0.000
10/31/2007	11.75	3.37	0.29		11.74	4.18	0.00	0.000	0.000
11/30/2007	10.19	3.20	0.31		12.04	4.28	0.00	0.000	0.000
12/31/2007	10.01	3.16	0.32		12.35	4.38	0.00	0.000	0.000
1/31/2008	9.46	2.90	0.31		12.65	4.47	0.00	0.000	0.000
2/29/2008	8.81	2.69	0.31		12.90	4.55	0.00	0.000	0.000
3/31/2008	8.67	2.82	0.33		13.17	4.63	0.00	0.000	0.000
4/30/2008	8.78	3.01	0.34		13.43	4.72	0.00	0.000	0.000
5/31/2008	8.43	3.11	0.37		13.70	4.82	0.00	0.000	0.000
6/30/2008	8.75	3.11	0.36		13.96	4.91	0.00	0.000	0.000
7/31/2008	8.51	3.35	0.39		14.22	5.02	0.00	0.000	0.000
8/31/2008	8.02	2.80	0.35		14.47	5.10	0.00	0.000	0.000
9/30/2008	8.11	2.90	0.36		14.71	5.19	0.00	0.000	0.000
10/31/2008	7.72	2.76	0.36		14.95	5.28	0.00	0.000	0.000
11/30/2008	7.32	2.36	0.32		15.17	5.35	0.00	0.000	0.000
12/31/2008	7.08	2.43	0.34		15.39	5.42	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
1/31/2009	6.83	2.25	0.33		15.60	5.49	0.00	0.000	0.000
2/28/2009	7.14	2.55	0.36		15.80	5.56	0.00	0.000	0.000
3/31/2009	6.98	2.48	0.36		16.02	5.64	0.00	0.000	0.000
4/30/2009	7.13	2.39	0.33		16.23	5.71	0.00	0.000	0.000
5/31/2009	7.00	2.26	0.32		16.45	5.78	0.00	0.000	0.000
6/30/2009	7.02	2.25	0.32		16.66	5.85	0.00	0.000	0.000
7/31/2009	6.86	2.06	0.30		16.87	5.91	0.00	0.000	0.000
8/31/2009	6.59	1.94	0.29		17.08	5.97	0.00	0.000	0.000
9/30/2009	6.55	1.89	0.29		17.27	6.03	0.00	0.000	0.000
10/31/2009	6.00	2.05	0.34		17.46	6.09	0.00	0.000	0.000
11/30/2009	5.89	2.06	0.35		17.64	6.16	0.00	0.000	0.000
12/31/2009	6.00	2.00	0.33		17.82	6.22	0.00	0.000	0.000
1/31/2010	5.86	1.96	0.33		18.01	6.28	0.00	0.000	0.000
2/28/2010	5.72	2.04	0.36		18.17	6.34	0.00	0.000	0.000
3/31/2010	5.73	1.95	0.34		18.34	6.40	0.00	0.000	0.000
4/30/2010	5.59	2.01	0.36		18.51	6.46	0.00	0.000	0.000
5/31/2010	5.60	1.98	0.35		18.68	6.52	0.00	0.000	0.000
6/30/2010	5.84	1.94	0.33		18.86	6.58	0.00	0.000	0.000
7/31/2010	5.61	1.77	0.32		19.03	6.63	0.00	0.000	0.000
8/31/2010	5.33	1.70	0.32		19.20	6.68	0.00	0.000	0.000
9/30/2010	5.30	1.75	0.33		19.36	6.74	0.00	0.000	0.000
10/31/2010	5.15	1.67	0.32		19.52	6.79	0.00	0.000	0.000
11/30/2010	5.30	1.53	0.29		19.68	6.83	0.00	0.000	0.000
12/31/2010	4.05	1.21	0.30		19.80	6.87	0.00	0.000	0.000
1/31/2011	4.62	1.29	0.28		19.95	6.91	0.00	0.000	0.000
2/28/2011	5.98	1.51	0.25		20.11	6.95	0.00	0.000	0.000
3/31/2011	6.10	1.63	0.27		20.30	7.00	0.00	0.000	0.000
4/30/2011	5.56	1.61	0.29		20.47	7.05	0.00	0.000	0.000
5/31/2011	5.33	1.75	0.33		20.63	7.11	0.00	0.000	0.000
6/30/2011	5.26	1.87	0.36		20.79	7.16	0.00	0.000	0.000
7/31/2011	5.31	1.67	0.32		20.96	7.21	0.00	0.000	0.000
8/31/2011	5.34	1.65	0.31		21.12	7.27	0.00	0.000	0.000
9/30/2011	5.37	1.46	0.27		21.28	7.31	0.00	0.000	0.000
10/31/2011	5.26	1.35	0.26		21.45	7.35	0.00	0.000	0.000
11/30/2011	5.12	1.46	0.28		21.60	7.40	0.00	0.000	0.000
12/31/2011	4.94	1.47	0.30		21.75	7.44	0.00	0.000	0.000
1/31/2012	4.86	1.40	0.29		21.90	7.48	0.00	0.000	0.000
2/29/2012	4.96	1.35	0.27		22.05	7.52	0.00	0.000	0.000
3/31/2012	4.88	1.35	0.28		22.20	7.57	0.00	0.000	0.000
4/30/2012	4.75	1.41	0.30		22.34	7.61	0.00	0.000	0.000
5/31/2012	4.56	1.28	0.28		22.48	7.65	0.00	0.000	0.000
6/30/2012	4.64	1.31	0.28		22.62	7.69	0.00	0.000	0.000
7/31/2012	4.63	1.29	0.28		22.77	7.73	0.00	0.000	0.000
8/31/2012	4.94	1.29	0.26		22.92	7.77	0.00	0.000	0.000
9/30/2012	4.57	1.32	0.29		23.06	7.81	0.00	0.000	0.000
10/31/2012	3.92	1.23	0.31		23.18	7.84	0.00	0.000	0.000
11/30/2012	4.29	1.33	0.31		23.31	7.88	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
12/31/2012	4.32	1.42	0.33		23.44	7.93	0.00	0.000	0.000