

**SINCLAIR UNIT NO. 7**  
**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	

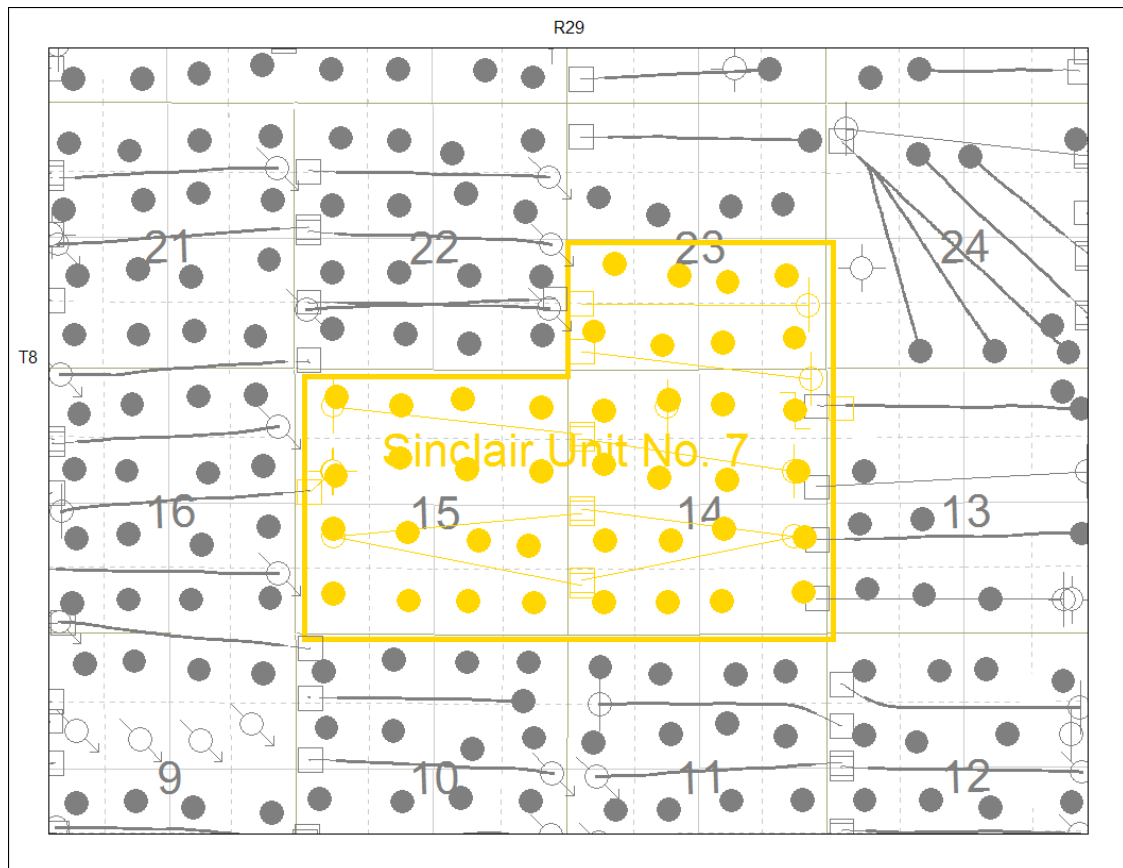
Plots and Tables for the following injectors:

02/08-14-008-29W1  
03/08-14-008-29W1  
02/09-14-008-29W1  
02/16-14-008-29W1  
02/05-15-008-29W1  
03/05-15-008-29W1  
04/12-15-008-29W1  
02/01-23-008-29W1

## **INTRODUCTION**

Sinclair Unit No. 7 was approved on October 11, 2011. The Unit area contains 40 producing wells in 2½ sections in Township 8 Range 29 W1 as shown in the figure below.

**Figure 1: Sinclair Unit 7 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. 7.

## **DISCUSSION**

### **Production History**

For the wells included in Sinclair Unit No. 7, production started in March 2005 with 00/13-14-008-29W1 and 00/13-15-008-29W1. Average oil production peaked at 5.3 m³/d per well in March of 2006. This production was coming from 27 wells and totaled 142.7 m³/d for the whole Unit. In December 2012, the Unit was producing 47.7 m³/d of oil and

39.5 m<sup>3</sup>/d of water. There is currently no water injection in Sinclair Unit No. 7. The rates and WOR are presented in Figure 2.

**Figure 2: Sinclair Unit 7 Production/Injection Rates and WOR vs Time**

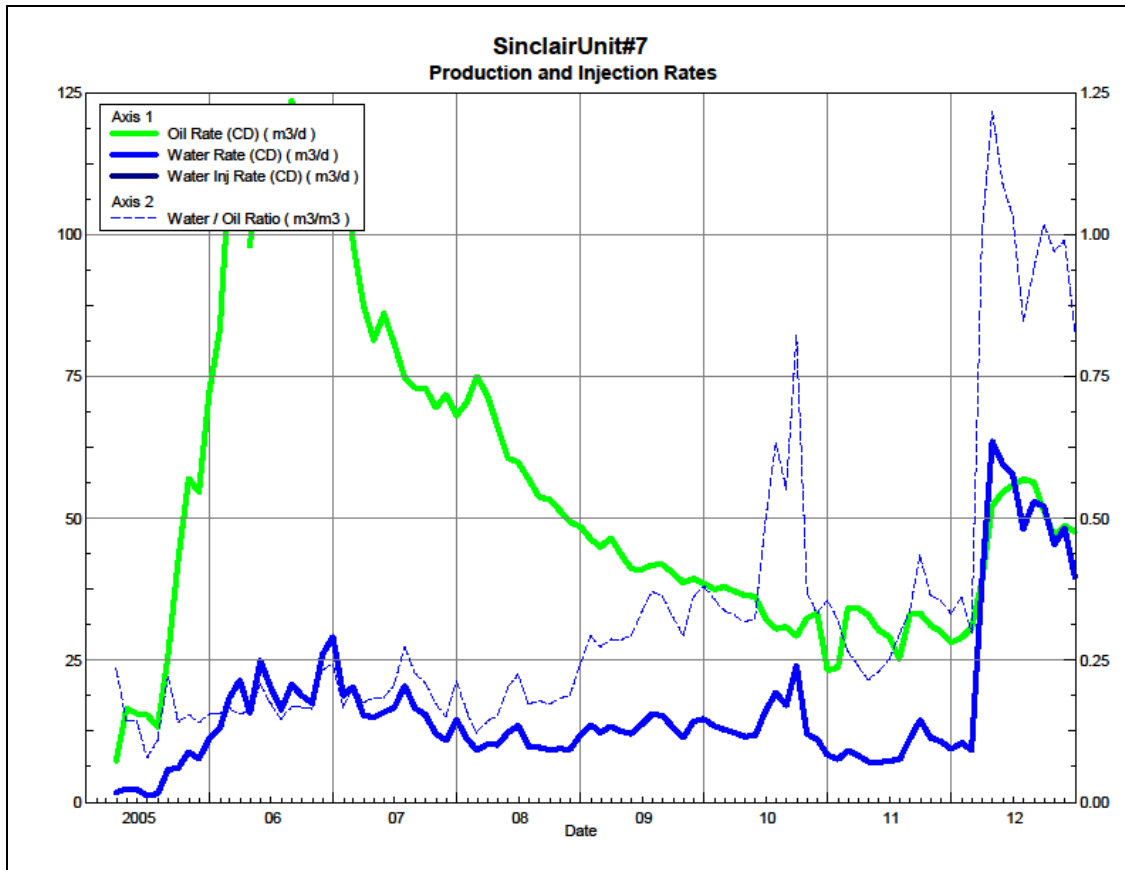
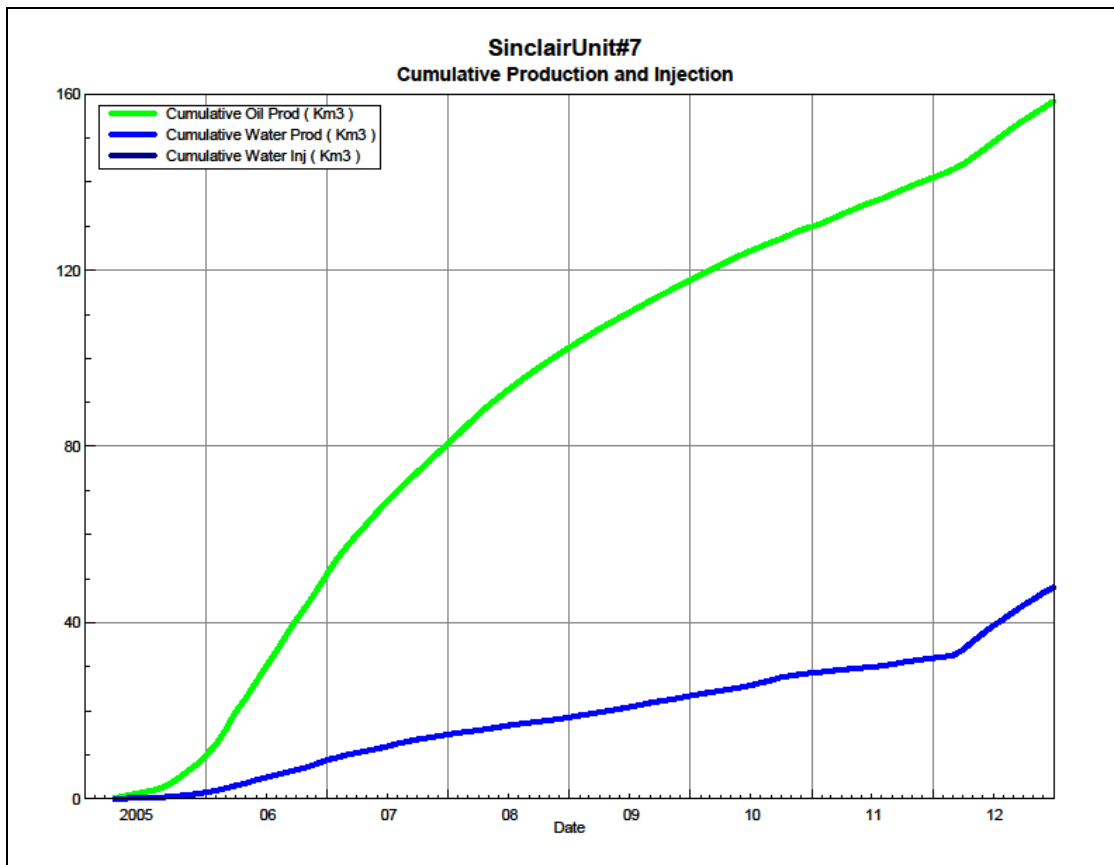


Figure 3 shows the cumulative production for Sinclair Unit 7 to the end of December 2012 as 158 E<sup>3</sup>m<sup>3</sup> of oil, and 48 E<sup>3</sup>m<sup>3</sup> of water, representing an 8.3 % recovery factor of the OOIP.

**Figure 3: Sinclair Unit 7 Cumulative Oil, Water and Water Injected vs Time**



## **Waterflood Development Plan**

### **Sinclair Unit No 7 Waterflood (WF) Development Plan**

Unit No. 7 is still in the development phase at the end of 2012. In 2011, 2 of the 8 proposed horizontal injectors were drilled and the remaining 6 horizontal injection wells were drilled in 2012. 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. 7, pressure data is currently available for 102/08-14, 102/09-14, 102/13-15, 103/05-15 and 103/08-15-008-29W1. 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. 7 during 2012:

**Table 1: Sinclair Unit #7 Well Servicing**

100/13-14-008-29W1/00	Pump Change	22/02/2012
100/06-23-008-29W1/00	Pump Change	05/03/2012
100/08-15-008-29W1/00	Pump Change, Rod Repair	24/05/2012
102/14-14-008-29W1/00	Pump Change	13/09/2012
100/11-15-008-29W1/00	Pump Change	26/11/2012

### **Waterflood Performance Discussion**

At the end of 2012, there is currently no water injection in Sinclair Unit No. 7. Tundra expects to produce most of the future injector wells until early 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 2013 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. 7 Injection Pattern Summary

Appendix B: Sinclair Unit No. 7 Pressure Summary

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

02/08-14-008-29W1  
03/08-14-008-29W1  
02/09-14-008-29W1  
02/16-14-008-29W1  
02/05-15-008-29W1  
03/05-15-008-29W1  
04/12-15-008-29W1  
02/01-23-008-29W1

## Appendix A

### Sinclair Unit No. 7 Injection Pattern Summary as of December 2012

Pattern Name	Injector BH Location (008-29W1)	Injector Surf. Location (008-29W1)	Status	Supported Wells (008-29W1)	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
02/08-14-008-29W1 Injector	02/08-14	05-14	WO Service Rig	05-14, 06-14, 07-14, 08-14, 09-14, 10-14, 11-14, 12-14	8	0.5	Aug 2005	-	3.1	0.6	0.2	-	13.9	3.0	-	-	-
03/08-14-008-29W1 Injector	03/08-14	04-14	Completing	01-14, 02-14, 03-14, 04-14, 05-14, 06-14, 07-14, 08-14	8	0.5	Aug 2005	-	3.8	1.0	0.25	-	16.3	3.0	-	-	-
02/09-14-008-29W1 Injector	02/09-14	13-14	Capable of Oil Prod	09-14, 10-14, 11-14, 12-14, 13-14, 14-14, 02/14-14 (Surf 13-13), 15-14, 16-14	9	0.5	Mar 2005	-	1.9	0.6	0.33	-	11.8	2.6	-	-	-
02/16-14-008-29W1 Injector	02/16-14	04-23	Capable of Oil Prod	13-14, 14-14, 02/14-14 (Surf 13-13), 15-14, 16-14, 01-23, 02-23, 03-23, 04-23	9	0.5	Mar 2005	-	1.5	0.8	0.49	-	11.1	2.5	-	-	-
02/05-15-008-29W1 Injector	02/05-15	05-14	Completing	05-15, 06-15, 07-15, 08-15, 09-15, 10-15, 11-15, 02/12-15, 03/12-15	10	0.5	Jan 2006	-	3.8	1.2	0.31	-	15.7	3.2	-	-	-
03/05-15-008-29W1 Injector	03/05-15	04-14	WO Service Rig	01-15, 02-15, 03-15, 04-15, 05-15, 06-15, 07-15, 08-15	8	0.5	Mar 2005	-	3.7	1.1	0.29	-	17.9	3.4	-	-	-
04/12-15-008-29W1 Injector	04/12-15	13-14	Capable of Oil Prod	09-15, 10-15, 11-15, 02/12-15, 03/12-15, 13-15, 14-15, 15-15, 16-15	10	0.5	Sep 2005	-	3.1	1.4	0.45	-	14.8	3.5	-	-	-
02/01-23-008-29W1 Injector	02/01-23	05-23	Capable of Oil Prod	01-23, 02-23, 03-23, 04-23, 05-23, 06-23, 07-23, 08-23	8	0.5	Jan 2006	-	1.7	0.9	0.53	-	9.8	3.5	-	-	-



## APPENDIX B

### Sinclair Unit #7 - Pressure Summary

Location	Test Date	Final Pressure (kPaa)	MPP (mTVD)	KB	Datum Depth	Gradient	Pressure @ -450 masl
102/08-14-008-29W1/00	July 15 - Aug 31, 2012	2528.46	952.74	520.08	-450	8.25	2672
102/09-14-008-29W1/00	January 20 - 30, 2012	4088.56	951.37	519.87	-450	8.25	4241
102/13-15-008-29W1/00	Jan 28 - Feb 5, 2012	2792.92	957.82	519.87	-450	8.25	2892
103/05-15-008-29W1/00	June 28 - Aug 18, 2012	2107.99	956.86	519.77	-450	8.25	2214
103/08-15-008-29W1/00	June 18 - Sept 6, 2012	2202.77	952.47	520.01	-450	8.25	2347

**Appendix C**  
**Rates and VRR**  
**Plots and Tables**

# Pattern: 02/08-14-008-29Inj Set: SinclairUnit#7

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.22 m3/m3

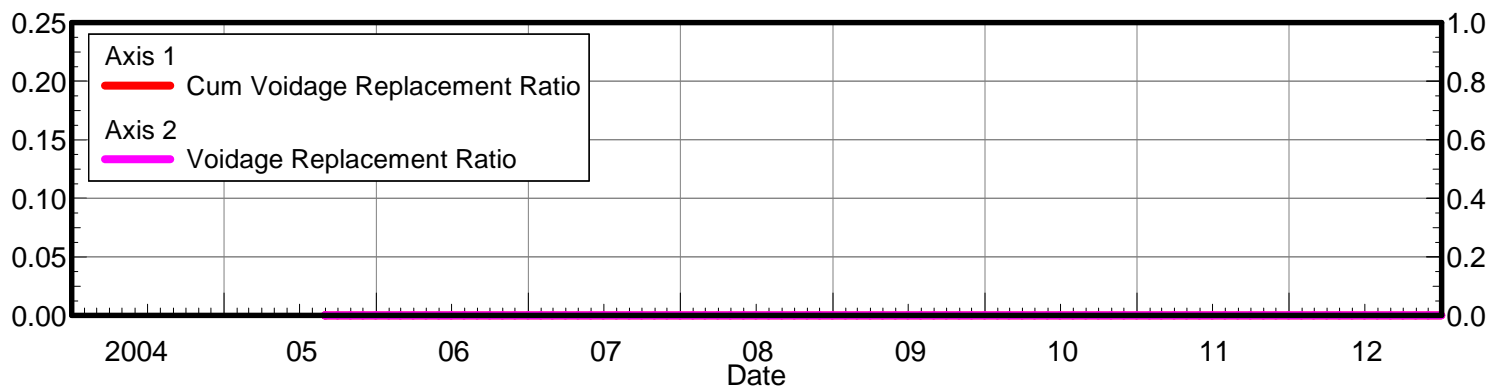
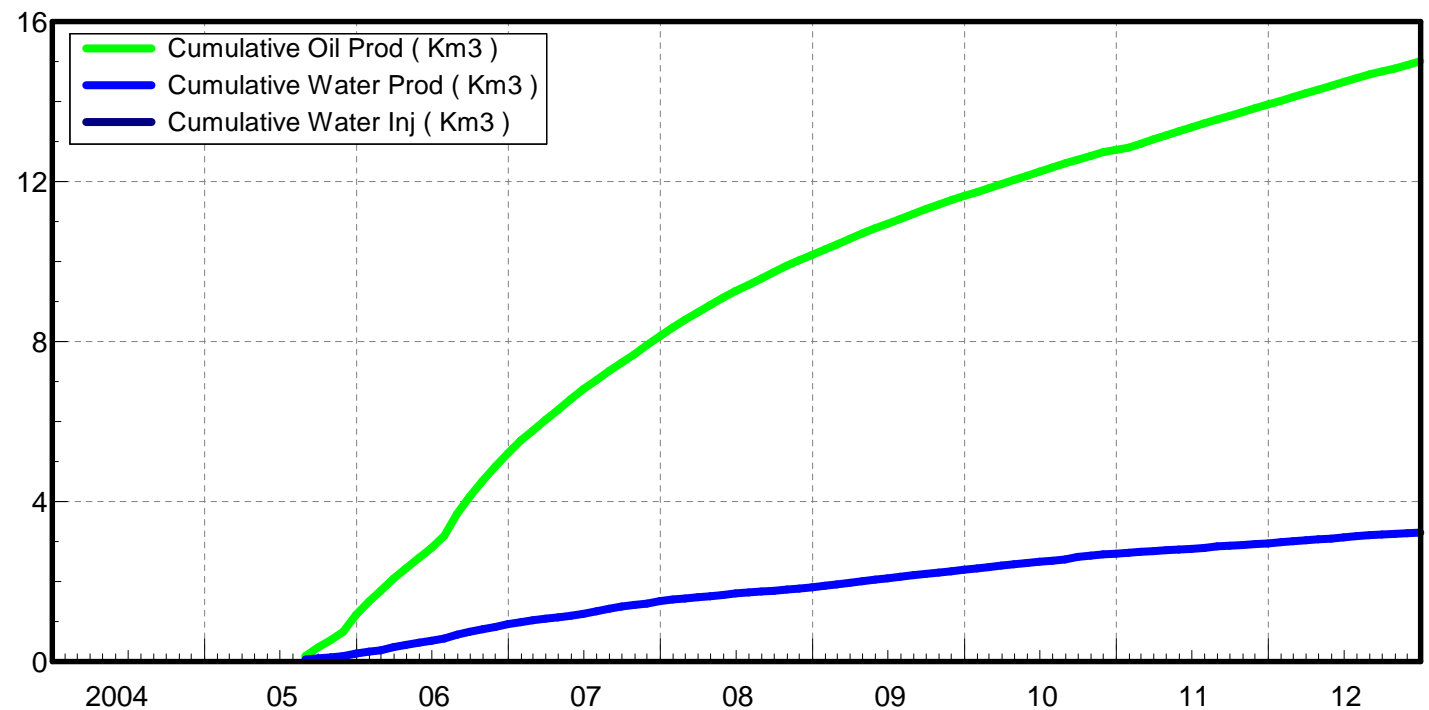
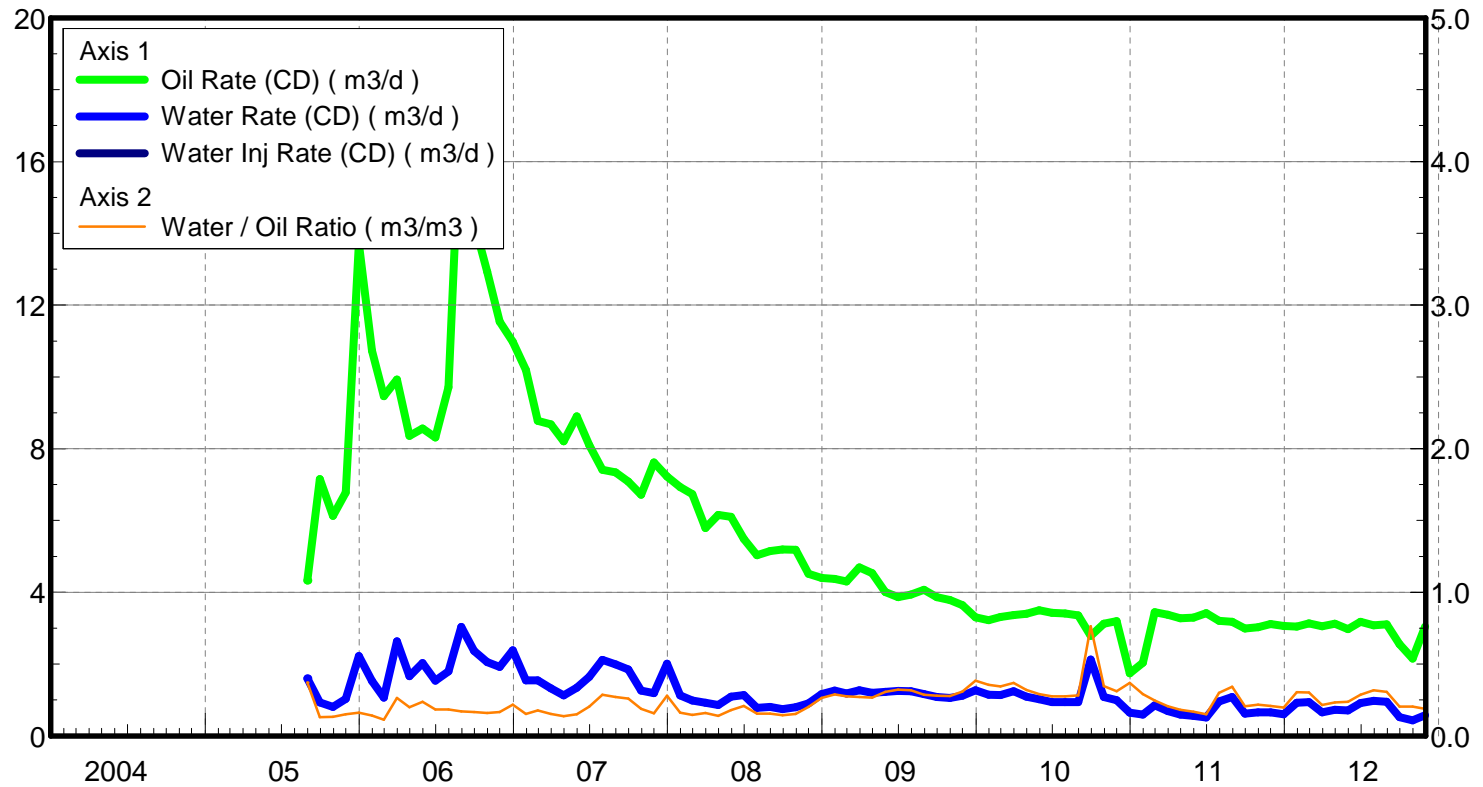
March 07, 2013

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 2.98 m3/d

Water Rate (CD) : 0.65 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
8/31/2005	4.32	1.60	0.37		0.13	0.05	0.00	0.000	0.000
9/30/2005	7.15	0.93	0.13		0.35	0.08	0.00	0.000	0.000
10/31/2005	6.13	0.81	0.13		0.54	0.10	0.00	0.000	0.000
11/30/2005	6.78	1.03	0.15		0.74	0.13	0.00	0.000	0.000
12/31/2005	13.72	2.23	0.16		1.17	0.20	0.00	0.000	0.000
1/31/2006	10.73	1.53	0.14		1.50	0.25	0.00	0.000	0.000
2/28/2006	9.47	1.06	0.11		1.76	0.28	0.00	0.000	0.000
3/31/2006	9.93	2.63	0.26		2.07	0.36	0.00	0.000	0.000
4/30/2006	8.36	1.66	0.20		2.32	0.41	0.00	0.000	0.000
5/31/2006	8.57	2.03	0.24		2.59	0.47	0.00	0.000	0.000
6/30/2006	8.32	1.54	0.18		2.84	0.52	0.00	0.000	0.000
7/31/2006	9.72	1.80	0.18		3.14	0.58	0.00	0.000	0.000
8/31/2006	17.87	3.03	0.17		3.69	0.67	0.00	0.000	0.000
9/30/2006	14.30	2.37	0.17		4.12	0.74	0.00	0.000	0.000
10/31/2006	12.93	2.05	0.16		4.52	0.80	0.00	0.000	0.000
11/30/2006	11.54	1.92	0.17		4.87	0.86	0.00	0.000	0.000
12/31/2006	10.97	2.39	0.22		5.21	0.94	0.00	0.000	0.000
1/31/2007	10.19	1.55	0.15		5.53	0.98	0.00	0.000	0.000
2/28/2007	8.78	1.55	0.18		5.77	1.03	0.00	0.000	0.000
3/31/2007	8.68	1.32	0.15		6.04	1.07	0.00	0.000	0.000
4/30/2007	8.21	1.13	0.14		6.29	1.10	0.00	0.000	0.000
5/31/2007	8.90	1.35	0.15		6.56	1.14	0.00	0.000	0.000
6/30/2007	8.10	1.65	0.20		6.81	1.19	0.00	0.000	0.000
7/31/2007	7.41	2.12	0.29		7.04	1.26	0.00	0.000	0.000
8/31/2007	7.34	1.99	0.27		7.26	1.32	0.00	0.000	0.000
9/30/2007	7.09	1.85	0.26		7.48	1.38	0.00	0.000	0.000
10/31/2007	6.72	1.26	0.19		7.68	1.42	0.00	0.000	0.000
11/30/2007	7.62	1.20	0.16		7.91	1.45	0.00	0.000	0.000
12/31/2007	7.22	2.01	0.28		8.14	1.51	0.00	0.000	0.000
1/31/2008	6.93	1.13	0.16		8.35	1.55	0.00	0.000	0.000
2/29/2008	6.73	0.98	0.15		8.55	1.58	0.00	0.000	0.000
3/31/2008	5.79	0.93	0.16		8.73	1.61	0.00	0.000	0.000
4/30/2008	6.16	0.86	0.14		8.91	1.63	0.00	0.000	0.000
5/31/2008	6.10	1.09	0.18		9.10	1.67	0.00	0.000	0.000
6/30/2008	5.49	1.14	0.21		9.26	1.70	0.00	0.000	0.000
7/31/2008	5.03	0.78	0.16		9.42	1.72	0.00	0.000	0.000
8/31/2008	5.15	0.80	0.16		9.58	1.75	0.00	0.000	0.000
9/30/2008	5.20	0.74	0.14		9.74	1.77	0.00	0.000	0.000
10/31/2008	5.18	0.80	0.15		9.90	1.80	0.00	0.000	0.000
11/30/2008	4.52	0.91	0.20		10.03	1.82	0.00	0.000	0.000
12/31/2008	4.40	1.16	0.26		10.17	1.86	0.00	0.000	0.000
1/31/2009	4.37	1.26	0.29		10.30	1.90	0.00	0.000	0.000
2/28/2009	4.30	1.18	0.28		10.42	1.93	0.00	0.000	0.000
3/31/2009	4.69	1.27	0.27		10.57	1.97	0.00	0.000	0.000
4/30/2009	4.53	1.20	0.27		10.71	2.01	0.00	0.000	0.000
5/31/2009	4.01	1.23	0.31		10.83	2.04	0.00	0.000	0.000
6/30/2009	3.87	1.25	0.32		10.95	2.08	0.00	0.000	0.000
7/31/2009	3.94	1.25	0.32		11.07	2.12	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
8/31/2009	4.07	1.17	0.29		11.19	2.16	0.00	0.000	0.000
9/30/2009	3.86	1.08	0.28		11.31	2.19	0.00	0.000	0.000
10/31/2009	3.78	1.05	0.28		11.43	2.22	0.00	0.000	0.000
11/30/2009	3.64	1.12	0.31		11.54	2.26	0.00	0.000	0.000
12/31/2009	3.31	1.27	0.38		11.64	2.30	0.00	0.000	0.000
1/31/2010	3.23	1.15	0.35		11.74	2.33	0.00	0.000	0.000
2/28/2010	3.31	1.14	0.34		11.83	2.36	0.00	0.000	0.000
3/31/2010	3.37	1.24	0.37		11.94	2.40	0.00	0.000	0.000
4/30/2010	3.40	1.09	0.32		12.04	2.43	0.00	0.000	0.000
5/31/2010	3.50	1.02	0.29		12.15	2.47	0.00	0.000	0.000
6/30/2010	3.43	0.94	0.27		12.25	2.49	0.00	0.000	0.000
7/31/2010	3.41	0.94	0.28		12.36	2.52	0.00	0.000	0.000
8/31/2010	3.36	0.95	0.28		12.46	2.55	0.00	0.000	0.000
9/30/2010	2.78	2.13	0.76		12.54	2.62	0.00	0.000	0.000
10/31/2010	3.13	1.08	0.35		12.64	2.65	0.00	0.000	0.000
11/30/2010	3.20	0.99	0.31		12.74	2.68	0.00	0.000	0.000
12/31/2010	1.74	0.64	0.37		12.79	2.70	0.00	0.000	0.000
1/31/2011	2.04	0.59	0.29		12.85	2.72	0.00	0.000	0.000
2/28/2011	3.44	0.85	0.25		12.95	2.74	0.00	0.000	0.000
3/31/2011	3.38	0.69	0.21		13.05	2.76	0.00	0.000	0.000
4/30/2011	3.28	0.59	0.18		13.15	2.78	0.00	0.000	0.000
5/31/2011	3.29	0.55	0.17		13.25	2.80	0.00	0.000	0.000
6/30/2011	3.42	0.51	0.15		13.36	2.81	0.00	0.000	0.000
7/31/2011	3.20	0.96	0.30		13.46	2.84	0.00	0.000	0.000
8/31/2011	3.18	1.09	0.34		13.56	2.88	0.00	0.000	0.000
9/30/2011	2.99	0.62	0.21		13.64	2.90	0.00	0.000	0.000
10/31/2011	3.03	0.66	0.22		13.74	2.92	0.00	0.000	0.000
11/30/2011	3.12	0.65	0.21		13.83	2.94	0.00	0.000	0.000
12/31/2011	3.06	0.60	0.20		13.93	2.95	0.00	0.000	0.000
1/31/2012	3.05	0.93	0.30		14.02	2.98	0.00	0.000	0.000
2/29/2012	3.13	0.94	0.30		14.11	3.01	0.00	0.000	0.000
3/31/2012	3.05	0.66	0.22		14.21	3.03	0.00	0.000	0.000
4/30/2012	3.12	0.73	0.23		14.30	3.05	0.00	0.000	0.000
5/31/2012	2.97	0.71	0.24		14.39	3.07	0.00	0.000	0.000
6/30/2012	3.18	0.91	0.29		14.49	3.10	0.00	0.000	0.000
7/31/2012	3.08	0.98	0.32		14.58	3.13	0.00	0.000	0.000
8/31/2012	3.11	0.95	0.31		14.68	3.16	0.00	0.000	0.000
9/30/2012	2.56	0.52	0.20		14.76	3.18	0.00	0.000	0.000
10/31/2012	2.15	0.44	0.20		14.82	3.19	0.00	0.000	0.000
11/30/2012	3.05	0.57	0.19		14.91	3.21	0.00	0.000	0.000
12/31/2012	2.98	0.65	0.22		15.01	3.23	0.00	0.000	0.000

# Pattern: 03/08-14-008-29Inj Set: SinclairUnit#7

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.26 m3/m3

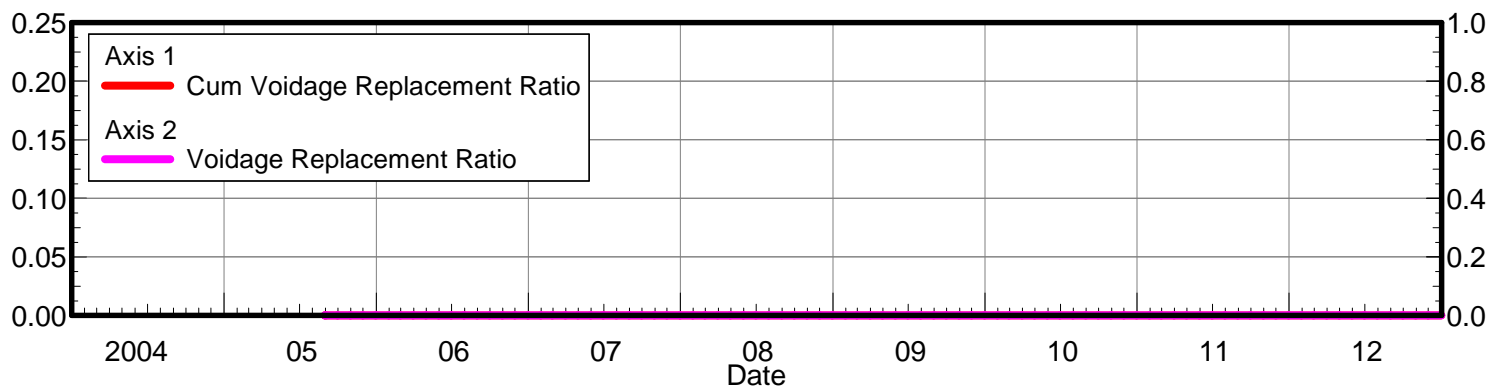
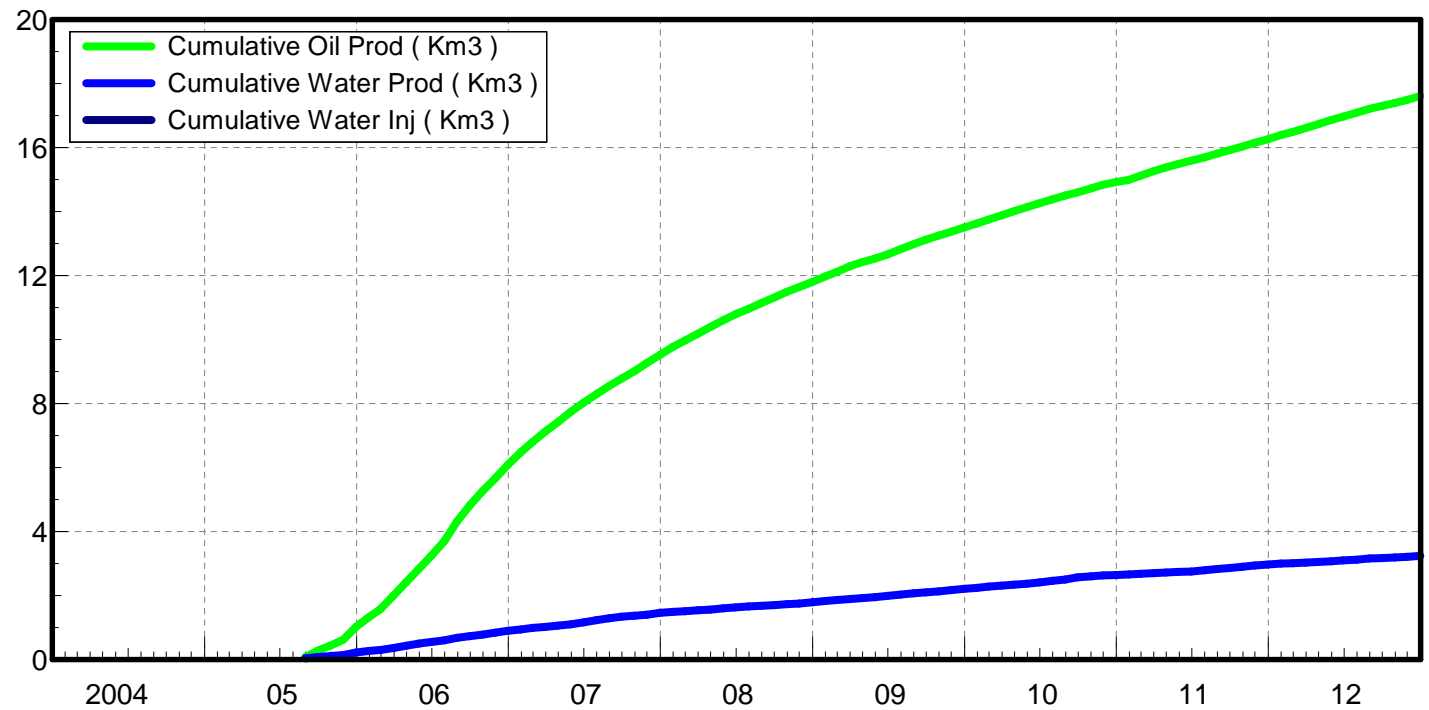
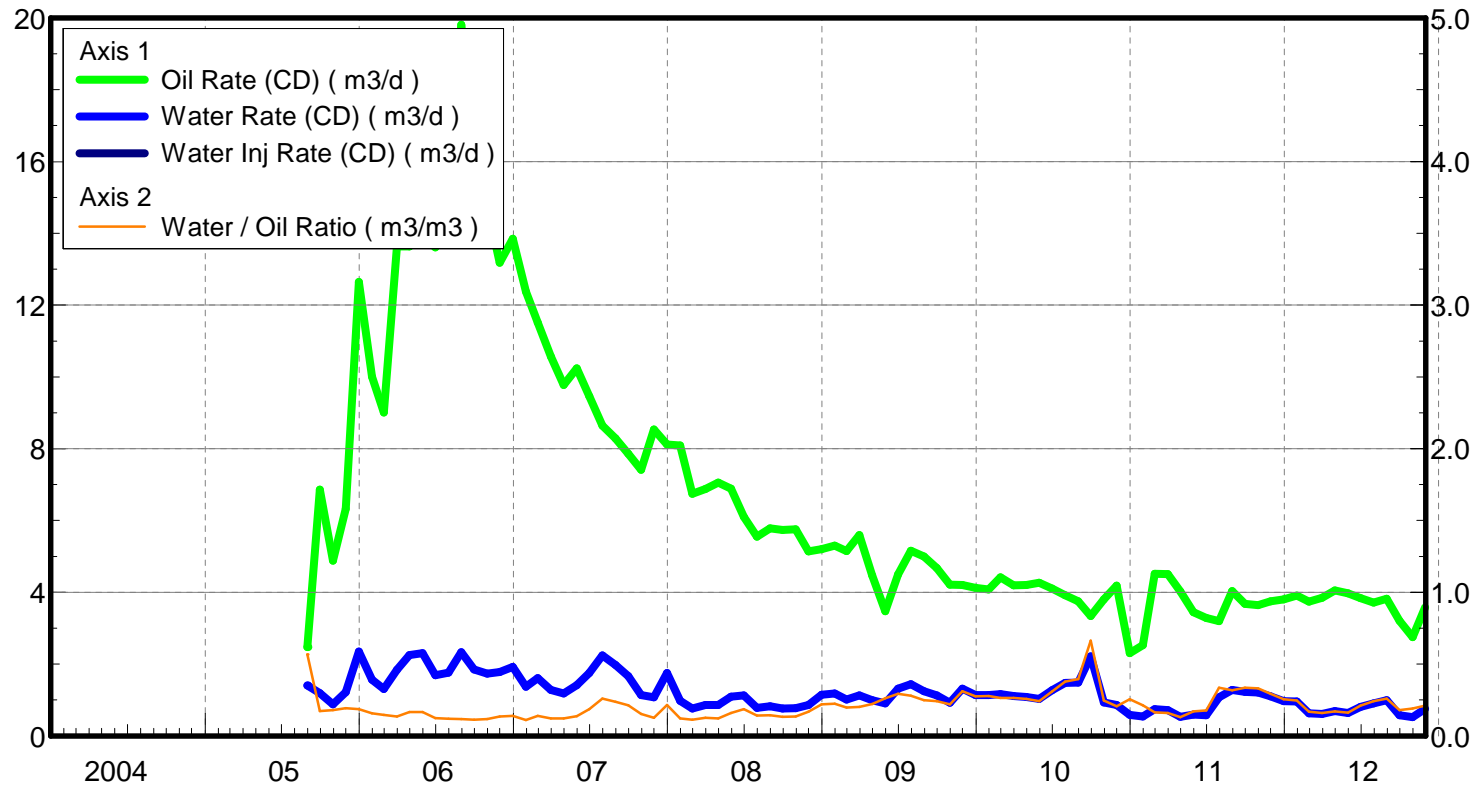
March 07, 2013

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 3.61 m3/d

Water Rate (CD) : 0.93 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
8/31/2005	2.47	1.40	0.57		0.08	0.04	0.00	0.000	0.000
9/30/2005	6.86	1.19	0.17		0.28	0.08	0.00	0.000	0.000
10/31/2005	4.89	0.88	0.18		0.43	0.11	0.00	0.000	0.000
11/30/2005	6.32	1.22	0.19		0.62	0.14	0.00	0.000	0.000
12/31/2005	12.65	2.35	0.19		1.02	0.22	0.00	0.000	0.000
1/31/2006	10.01	1.57	0.16		1.33	0.26	0.00	0.000	0.000
2/28/2006	9.01	1.31	0.15		1.58	0.30	0.00	0.000	0.000
3/31/2006	13.64	1.84	0.13		2.00	0.36	0.00	0.000	0.000
4/30/2006	13.64	2.25	0.17		2.41	0.43	0.00	0.000	0.000
5/31/2006	13.92	2.30	0.17		2.84	0.50	0.00	0.000	0.000
6/30/2006	13.61	1.69	0.12		3.25	0.55	0.00	0.000	0.000
7/31/2006	14.66	1.76	0.12		3.70	0.60	0.00	0.000	0.000
8/31/2006	19.81	2.33	0.12		4.32	0.67	0.00	0.000	0.000
9/30/2006	16.44	1.85	0.11		4.81	0.73	0.00	0.000	0.000
10/31/2006	14.76	1.73	0.12		5.27	0.78	0.00	0.000	0.000
11/30/2006	13.18	1.78	0.14		5.66	0.84	0.00	0.000	0.000
12/31/2006	13.85	1.92	0.14		6.09	0.90	0.00	0.000	0.000
1/31/2007	12.38	1.37	0.11		6.48	0.94	0.00	0.000	0.000
2/28/2007	11.52	1.61	0.14		6.80	0.98	0.00	0.000	0.000
3/31/2007	10.57	1.28	0.12		7.13	1.02	0.00	0.000	0.000
4/30/2007	9.77	1.18	0.12		7.42	1.06	0.00	0.000	0.000
5/31/2007	10.24	1.42	0.14		7.74	1.10	0.00	0.000	0.000
6/30/2007	9.46	1.75	0.19		8.02	1.16	0.00	0.000	0.000
7/31/2007	8.64	2.24	0.26		8.29	1.22	0.00	0.000	0.000
8/31/2007	8.28	1.97	0.24		8.55	1.29	0.00	0.000	0.000
9/30/2007	7.86	1.67	0.21		8.78	1.34	0.00	0.000	0.000
10/31/2007	7.42	1.14	0.15		9.01	1.37	0.00	0.000	0.000
11/30/2007	8.54	1.07	0.13		9.27	1.40	0.00	0.000	0.000
12/31/2007	8.12	1.76	0.22		9.52	1.46	0.00	0.000	0.000
1/31/2008	8.09	0.98	0.12		9.77	1.49	0.00	0.000	0.000
2/29/2008	6.74	0.76	0.11		9.97	1.51	0.00	0.000	0.000
3/31/2008	6.88	0.86	0.13		10.18	1.54	0.00	0.000	0.000
4/30/2008	7.05	0.86	0.12		10.39	1.56	0.00	0.000	0.000
5/31/2008	6.89	1.09	0.16		10.60	1.60	0.00	0.000	0.000
6/30/2008	6.10	1.13	0.19		10.79	1.63	0.00	0.000	0.000
7/31/2008	5.55	0.78	0.14		10.96	1.66	0.00	0.000	0.000
8/31/2008	5.78	0.83	0.14		11.14	1.68	0.00	0.000	0.000
9/30/2008	5.74	0.77	0.13		11.31	1.70	0.00	0.000	0.000
10/31/2008	5.76	0.77	0.13		11.49	1.73	0.00	0.000	0.000
11/30/2008	5.14	0.86	0.17		11.64	1.75	0.00	0.000	0.000
12/31/2008	5.20	1.15	0.22		11.81	1.79	0.00	0.000	0.000
1/31/2009	5.30	1.19	0.22		11.97	1.83	0.00	0.000	0.000
2/28/2009	5.15	1.01	0.20		12.11	1.85	0.00	0.000	0.000
3/31/2009	5.59	1.13	0.20		12.29	1.89	0.00	0.000	0.000
4/30/2009	4.47	0.99	0.22		12.42	1.92	0.00	0.000	0.000
5/31/2009	3.47	0.91	0.26		12.53	1.95	0.00	0.000	0.000
6/30/2009	4.50	1.32	0.29		12.66	1.99	0.00	0.000	0.000
7/31/2009	5.15	1.44	0.28		12.82	2.03	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
8/31/2009	5.00	1.25	0.25		12.98	2.07	0.00	0.000	0.000
9/30/2009	4.67	1.13	0.24		13.12	2.10	0.00	0.000	0.000
10/31/2009	4.21	0.93	0.22		13.25	2.13	0.00	0.000	0.000
11/30/2009	4.20	1.31	0.31		13.38	2.17	0.00	0.000	0.000
12/31/2009	4.12	1.14	0.28		13.50	2.21	0.00	0.000	0.000
1/31/2010	4.08	1.14	0.28		13.63	2.24	0.00	0.000	0.000
2/28/2010	4.41	1.16	0.26		13.75	2.27	0.00	0.000	0.000
3/31/2010	4.20	1.11	0.26		13.88	2.31	0.00	0.000	0.000
4/30/2010	4.20	1.08	0.26		14.01	2.34	0.00	0.000	0.000
5/31/2010	4.27	1.03	0.24		14.14	2.37	0.00	0.000	0.000
6/30/2010	4.11	1.27	0.31		14.26	2.41	0.00	0.000	0.000
7/31/2010	3.92	1.48	0.38		14.39	2.46	0.00	0.000	0.000
8/31/2010	3.75	1.48	0.40		14.50	2.50	0.00	0.000	0.000
9/30/2010	3.34	2.22	0.66		14.60	2.57	0.00	0.000	0.000
10/31/2010	3.81	0.94	0.25		14.72	2.60	0.00	0.000	0.000
11/30/2010	4.19	0.86	0.21		14.85	2.62	0.00	0.000	0.000
12/31/2010	2.30	0.59	0.25		14.92	2.64	0.00	0.000	0.000
1/31/2011	2.53	0.54	0.21		15.00	2.66	0.00	0.000	0.000
2/28/2011	4.52	0.74	0.16		15.12	2.68	0.00	0.000	0.000
3/31/2011	4.50	0.71	0.16		15.26	2.70	0.00	0.000	0.000
4/30/2011	4.03	0.53	0.13		15.38	2.72	0.00	0.000	0.000
5/31/2011	3.45	0.59	0.17		15.49	2.74	0.00	0.000	0.000
6/30/2011	3.29	0.58	0.18		15.59	2.75	0.00	0.000	0.000
7/31/2011	3.20	1.07	0.34		15.69	2.79	0.00	0.000	0.000
8/31/2011	4.03	1.28	0.32		15.81	2.83	0.00	0.000	0.000
9/30/2011	3.67	1.23	0.33		15.92	2.86	0.00	0.000	0.000
10/31/2011	3.65	1.21	0.33		16.04	2.90	0.00	0.000	0.000
11/30/2011	3.75	1.10	0.29		16.15	2.93	0.00	0.000	0.000
12/31/2011	3.80	0.97	0.25		16.27	2.96	0.00	0.000	0.000
1/31/2012	3.91	0.96	0.25		16.39	2.99	0.00	0.000	0.000
2/29/2012	3.74	0.63	0.17		16.50	3.01	0.00	0.000	0.000
3/31/2012	3.85	0.61	0.16		16.62	3.03	0.00	0.000	0.000
4/30/2012	4.05	0.69	0.17		16.74	3.05	0.00	0.000	0.000
5/31/2012	3.97	0.64	0.16		16.86	3.07	0.00	0.000	0.000
6/30/2012	3.84	0.81	0.21		16.97	3.10	0.00	0.000	0.000
7/31/2012	3.72	0.90	0.24		17.09	3.12	0.00	0.000	0.000
8/31/2012	3.82	1.00	0.26		17.21	3.15	0.00	0.000	0.000
9/30/2012	3.20	0.58	0.18		17.30	3.17	0.00	0.000	0.000
10/31/2012	2.75	0.52	0.19		17.39	3.19	0.00	0.000	0.000
11/30/2012	3.58	0.75	0.21		17.50	3.21	0.00	0.000	0.000
12/31/2012	3.61	0.93	0.26		17.61	3.24	0.00	0.000	0.000



# Pattern: 02/09-14-008-29Inj Set: SinclairUnit#7

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 1.25 m3/m3

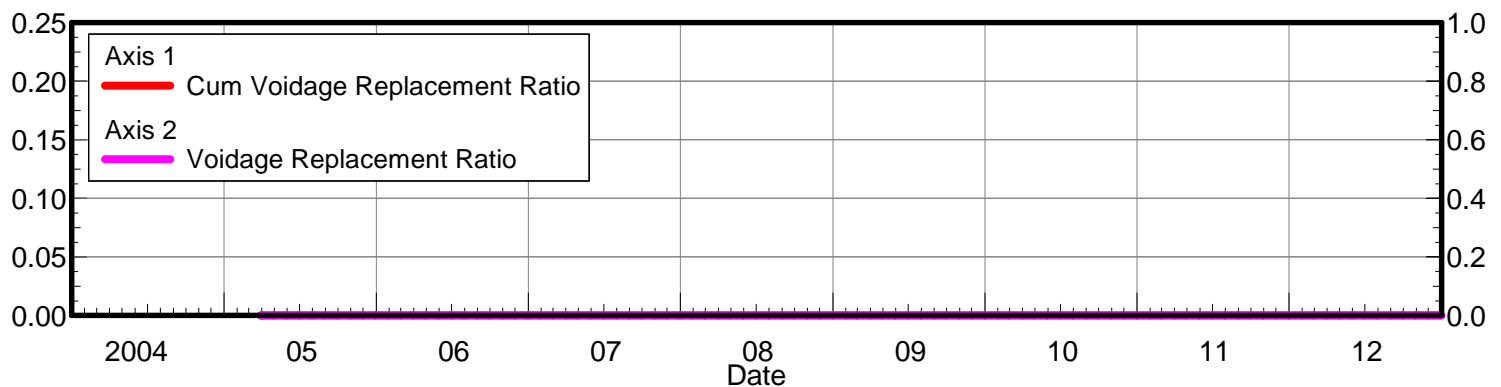
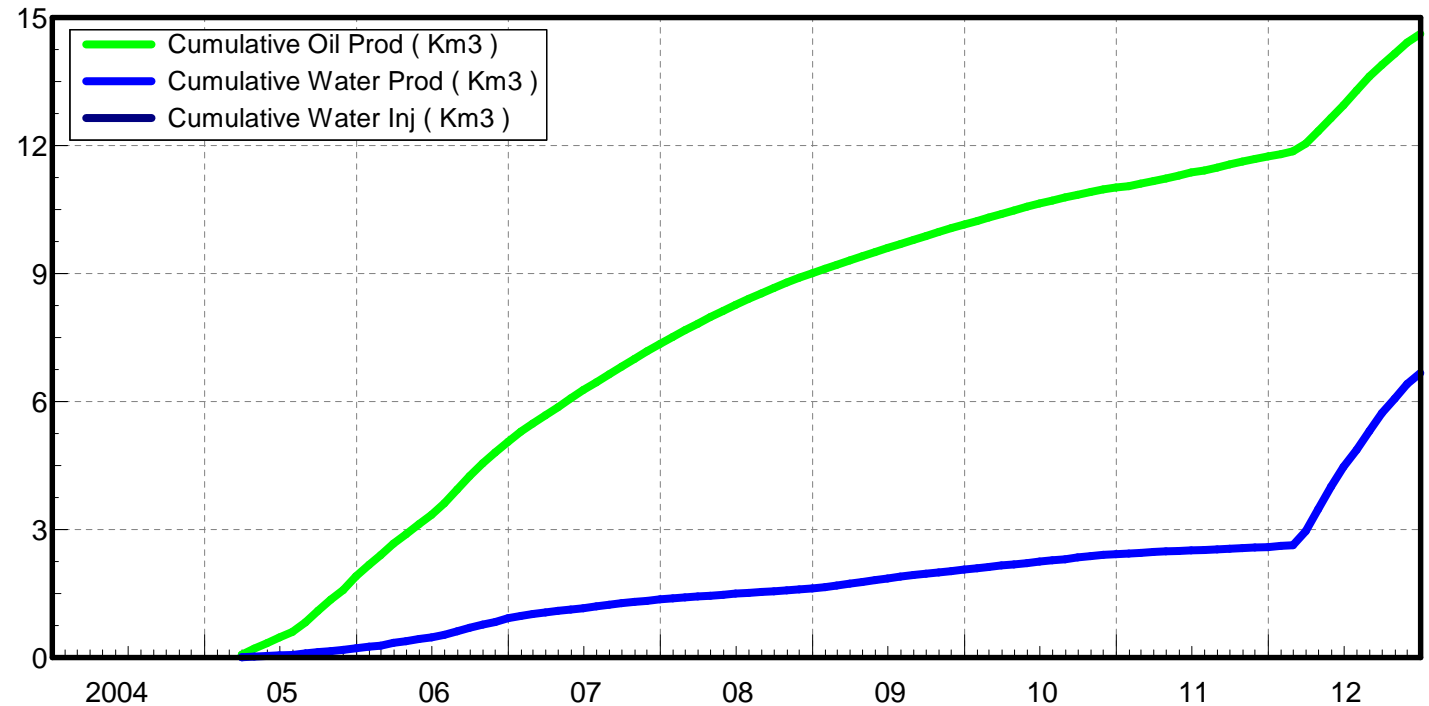
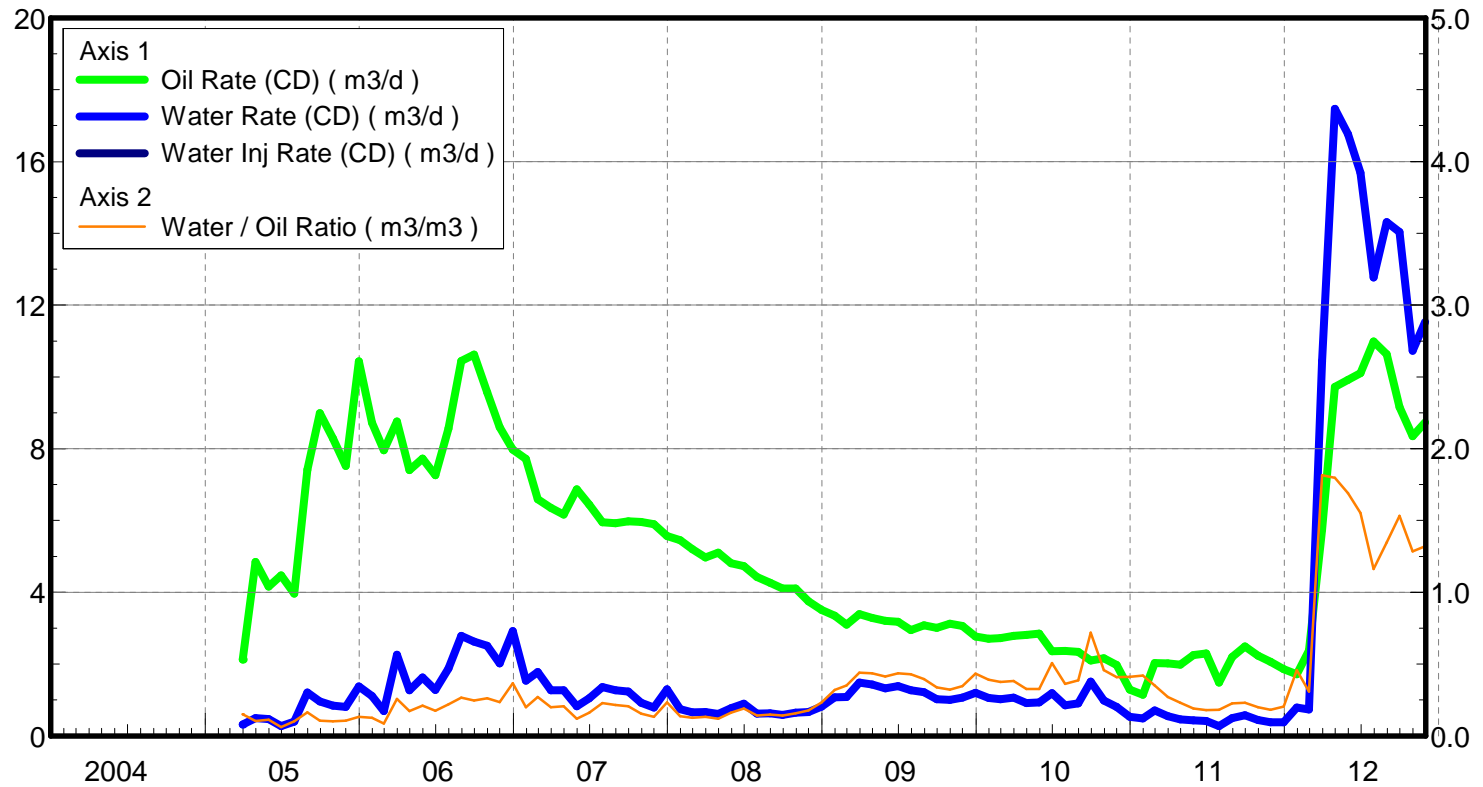
March 07, 2013

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 6.58 m3/d

Water Rate (CD) : 8.24 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
3/31/2005	2.13	0.32	0.15		0.07	0.01	0.00	0.000	0.000
4/30/2005	4.84	0.50	0.10		0.21	0.02	0.00	0.000	0.000
5/31/2005	4.16	0.47	0.11		0.34	0.04	0.00	0.000	0.000
6/30/2005	4.47	0.28	0.06		0.47	0.05	0.00	0.000	0.000
7/31/2005	3.96	0.40	0.10		0.60	0.06	0.00	0.000	0.000
8/31/2005	7.41	1.21	0.16		0.83	0.10	0.00	0.000	0.000
9/30/2005	8.99	0.96	0.11		1.10	0.13	0.00	0.000	0.000
10/31/2005	8.29	0.84	0.10		1.35	0.15	0.00	0.000	0.000
11/30/2005	7.52	0.80	0.11		1.58	0.18	0.00	0.000	0.000
12/31/2005	10.43	1.38	0.13		1.90	0.22	0.00	0.000	0.000
1/31/2006	8.72	1.11	0.13		2.17	0.25	0.00	0.000	0.000
2/28/2006	7.96	0.69	0.09		2.40	0.27	0.00	0.000	0.000
3/31/2006	8.76	2.26	0.26		2.67	0.34	0.00	0.000	0.000
4/30/2006	7.41	1.27	0.17		2.89	0.38	0.00	0.000	0.000
5/31/2006	7.72	1.63	0.21		3.13	0.43	0.00	0.000	0.000
6/30/2006	7.26	1.28	0.18		3.35	0.47	0.00	0.000	0.000
7/31/2006	8.56	1.88	0.22		3.61	0.53	0.00	0.000	0.000
8/31/2006	10.45	2.78	0.27		3.94	0.61	0.00	0.000	0.000
9/30/2006	10.63	2.63	0.25		4.25	0.69	0.00	0.000	0.000
10/31/2006	9.57	2.51	0.26		4.55	0.77	0.00	0.000	0.000
11/30/2006	8.60	2.02	0.24		4.81	0.83	0.00	0.000	0.000
12/31/2006	7.97	2.92	0.37		5.06	0.92	0.00	0.000	0.000
1/31/2007	7.71	1.54	0.20		5.30	0.97	0.00	0.000	0.000
2/28/2007	6.59	1.78	0.27		5.48	1.02	0.00	0.000	0.000
3/31/2007	6.35	1.27	0.20		5.68	1.06	0.00	0.000	0.000
4/30/2007	6.16	1.27	0.21		5.86	1.10	0.00	0.000	0.000
5/31/2007	6.87	0.82	0.12		6.08	1.12	0.00	0.000	0.000
6/30/2007	6.45	1.05	0.16		6.27	1.15	0.00	0.000	0.000
7/31/2007	5.95	1.36	0.23		6.45	1.20	0.00	0.000	0.000
8/31/2007	5.93	1.27	0.21		6.64	1.24	0.00	0.000	0.000
9/30/2007	5.98	1.24	0.21		6.82	1.27	0.00	0.000	0.000
10/31/2007	5.96	0.93	0.16		7.00	1.30	0.00	0.000	0.000
11/30/2007	5.90	0.79	0.13		7.18	1.33	0.00	0.000	0.000
12/31/2007	5.57	1.30	0.23		7.35	1.37	0.00	0.000	0.000
1/31/2008	5.45	0.75	0.14		7.52	1.39	0.00	0.000	0.000
2/29/2008	5.21	0.66	0.13		7.67	1.41	0.00	0.000	0.000
3/31/2008	4.97	0.66	0.13		7.82	1.43	0.00	0.000	0.000
4/30/2008	5.11	0.61	0.12		7.98	1.45	0.00	0.000	0.000
5/31/2008	4.81	0.77	0.16		8.13	1.47	0.00	0.000	0.000
6/30/2008	4.73	0.90	0.19		8.27	1.50	0.00	0.000	0.000
7/31/2008	4.43	0.62	0.14		8.41	1.52	0.00	0.000	0.000
8/31/2008	4.27	0.63	0.15		8.54	1.54	0.00	0.000	0.000
9/30/2008	4.11	0.58	0.14		8.66	1.55	0.00	0.000	0.000
10/31/2008	4.11	0.65	0.16		8.79	1.57	0.00	0.000	0.000
11/30/2008	3.75	0.66	0.18		8.90	1.59	0.00	0.000	0.000
12/31/2008	3.51	0.82	0.23		9.01	1.62	0.00	0.000	0.000
1/31/2009	3.35	1.07	0.32		9.11	1.65	0.00	0.000	0.000
2/28/2009	3.09	1.08	0.35		9.20	1.68	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
3/31/2009	3.39	1.49	0.44		9.31	1.73	0.00	0.000	0.000
4/30/2009	3.29	1.43	0.44		9.40	1.77	0.00	0.000	0.000
5/31/2009	3.20	1.33	0.41		9.50	1.81	0.00	0.000	0.000
6/30/2009	3.18	1.39	0.44		9.60	1.86	0.00	0.000	0.000
7/31/2009	2.95	1.27	0.43		9.69	1.89	0.00	0.000	0.000
8/31/2009	3.08	1.22	0.40		9.79	1.93	0.00	0.000	0.000
9/30/2009	3.01	1.02	0.34		9.88	1.96	0.00	0.000	0.000
10/31/2009	3.12	1.00	0.32		9.97	1.99	0.00	0.000	0.000
11/30/2009	3.06	1.06	0.35		10.06	2.03	0.00	0.000	0.000
12/31/2009	2.77	1.20	0.43		10.15	2.06	0.00	0.000	0.000
1/31/2010	2.70	1.05	0.39		10.23	2.10	0.00	0.000	0.000
2/28/2010	2.73	1.02	0.37		10.31	2.12	0.00	0.000	0.000
3/31/2010	2.79	1.06	0.38		10.40	2.16	0.00	0.000	0.000
4/30/2010	2.81	0.92	0.33		10.48	2.18	0.00	0.000	0.000
5/31/2010	2.85	0.93	0.33		10.57	2.21	0.00	0.000	0.000
6/30/2010	2.36	1.20	0.51		10.64	2.25	0.00	0.000	0.000
7/31/2010	2.37	0.86	0.36		10.71	2.28	0.00	0.000	0.000
8/31/2010	2.34	0.91	0.39		10.79	2.30	0.00	0.000	0.000
9/30/2010	2.10	1.51	0.72		10.85	2.35	0.00	0.000	0.000
10/31/2010	2.16	0.99	0.46		10.92	2.38	0.00	0.000	0.000
11/30/2010	1.97	0.81	0.41		10.98	2.40	0.00	0.000	0.000
12/31/2010	1.29	0.53	0.41		11.02	2.42	0.00	0.000	0.000
1/31/2011	1.15	0.48	0.42		11.05	2.44	0.00	0.000	0.000
2/28/2011	2.03	0.71	0.35		11.11	2.46	0.00	0.000	0.000
3/31/2011	2.02	0.55	0.27		11.17	2.47	0.00	0.000	0.000
4/30/2011	1.99	0.46	0.23		11.23	2.49	0.00	0.000	0.000
5/31/2011	2.25	0.43	0.19		11.30	2.50	0.00	0.000	0.000
6/30/2011	2.29	0.41	0.18		11.37	2.51	0.00	0.000	0.000
7/31/2011	1.48	0.27	0.18		11.41	2.52	0.00	0.000	0.000
8/31/2011	2.20	0.50	0.23		11.48	2.54	0.00	0.000	0.000
9/30/2011	2.49	0.57	0.23		11.56	2.55	0.00	0.000	0.000
10/31/2011	2.23	0.45	0.20		11.63	2.57	0.00	0.000	0.000
11/30/2011	2.06	0.38	0.18		11.69	2.58	0.00	0.000	0.000
12/31/2011	1.86	0.38	0.20		11.75	2.59	0.00	0.000	0.000
1/31/2012	1.71	0.79	0.46		11.80	2.61	0.00	0.000	0.000
2/29/2012	2.37	0.73	0.31		11.87	2.64	0.00	0.000	0.000
3/31/2012	5.75	10.44	1.82		12.05	2.96	0.00	0.000	0.000
4/30/2012	9.72	17.47	1.80		12.34	3.48	0.00	0.000	0.000
5/31/2012	9.91	16.76	1.69		12.65	4.00	0.00	0.000	0.000
6/30/2012	10.11	15.68	1.55		12.95	4.47	0.00	0.000	0.000
7/31/2012	10.99	12.77	1.16		13.29	4.87	0.00	0.000	0.000
8/31/2012	10.63	14.32	1.35		13.62	5.31	0.00	0.000	0.000
9/30/2012	9.16	14.03	1.53		13.89	5.73	0.00	0.000	0.000
10/31/2012	8.35	10.73	1.29		14.15	6.07	0.00	0.000	0.000
11/30/2012	8.73	11.54	1.32		14.41	6.41	0.00	0.000	0.000
12/31/2012	6.58	8.24	1.25		14.62	6.67	0.00	0.000	0.000

# Pattern: 02/16-14-008-29Inj Set: SinclairUnit#7

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 2.45 m3/m3

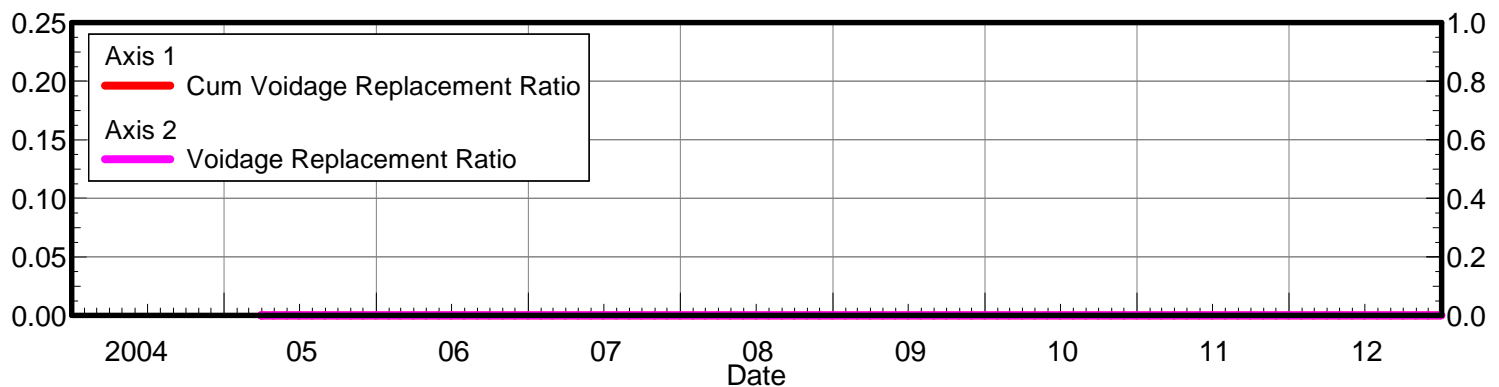
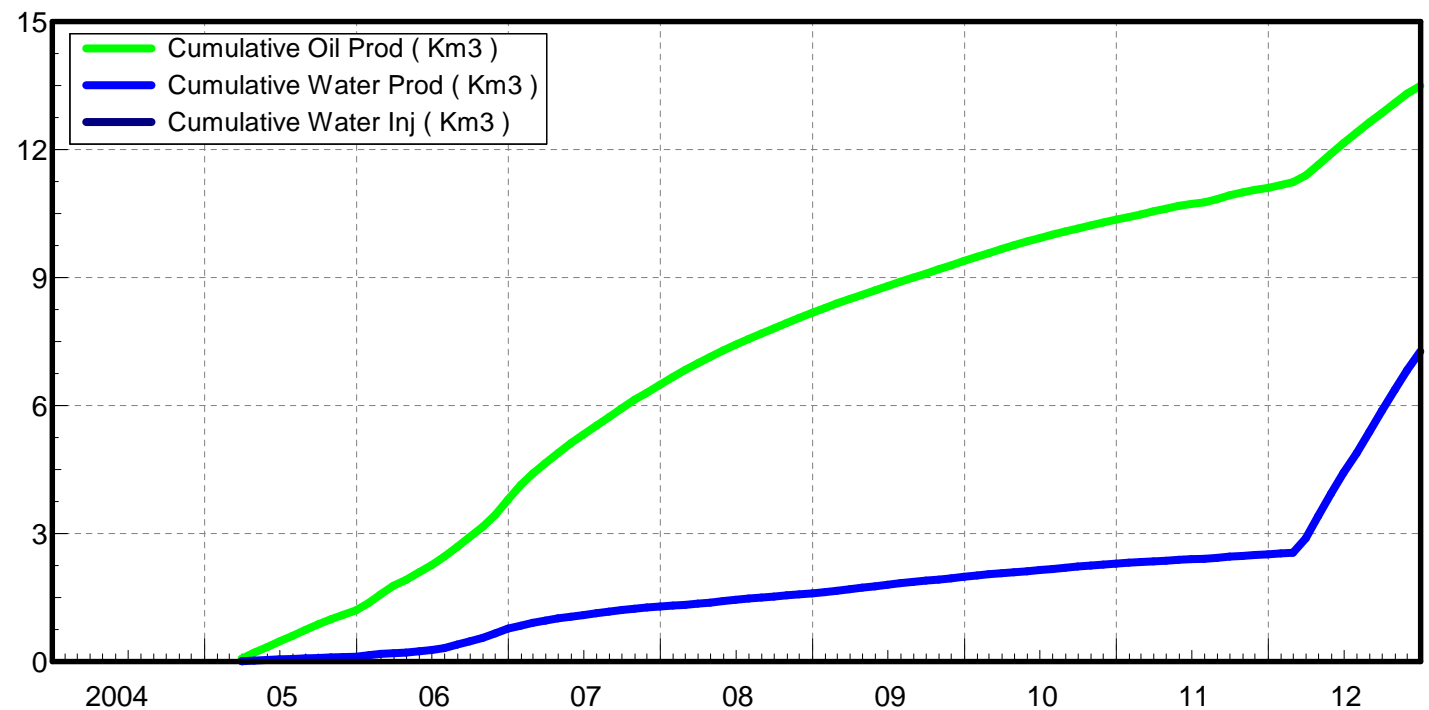
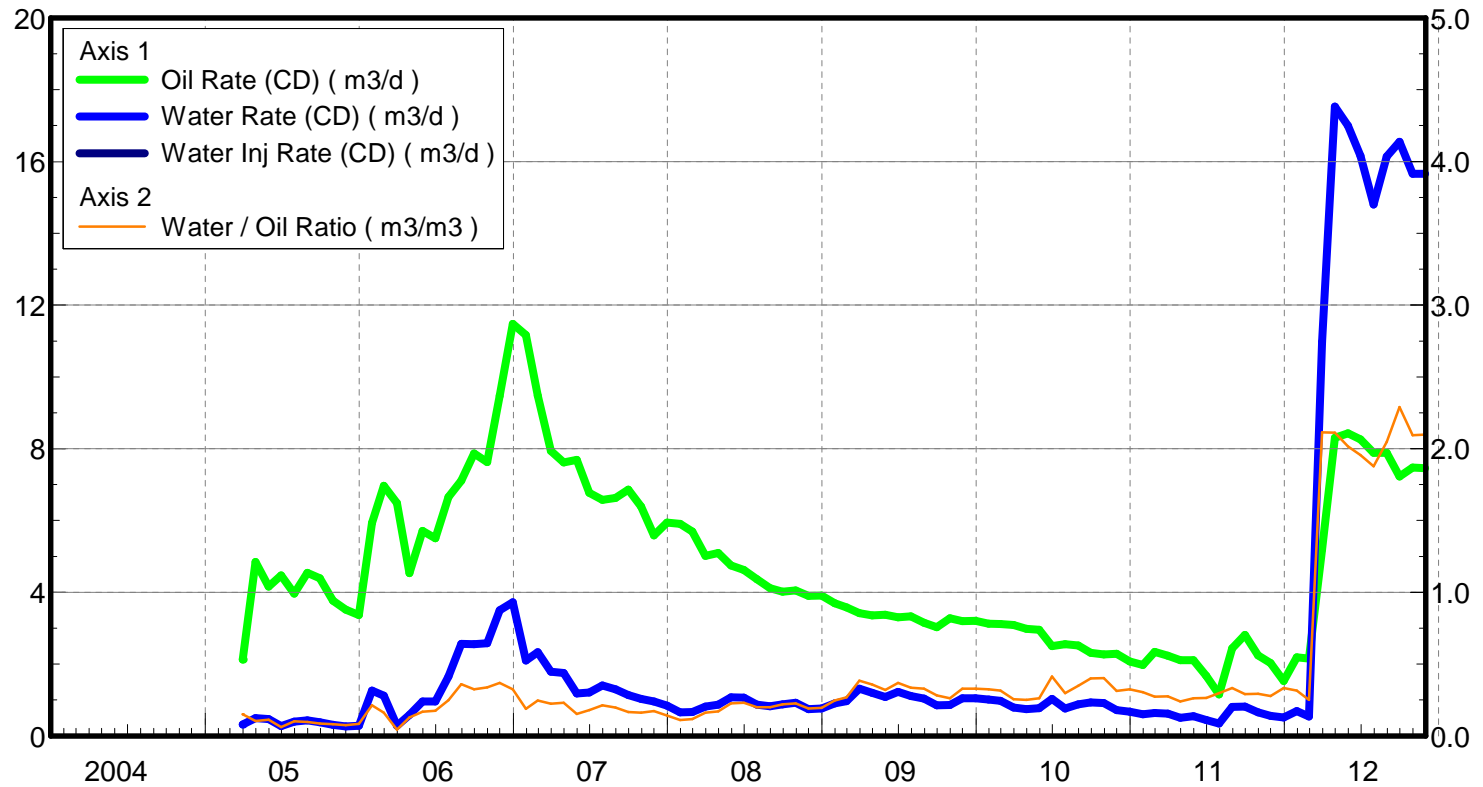
March 07, 2013

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 5.71 m3/d

Water Rate (CD) : 13.98 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
3/31/2005	2.13	0.32	0.15		0.07	0.01	0.00	0.000	0.000
4/30/2005	4.84	0.50	0.10		0.21	0.02	0.00	0.000	0.000
5/31/2005	4.16	0.47	0.11		0.34	0.04	0.00	0.000	0.000
6/30/2005	4.47	0.28	0.06		0.47	0.05	0.00	0.000	0.000
7/31/2005	3.96	0.40	0.10		0.60	0.06	0.00	0.000	0.000
8/31/2005	4.55	0.44	0.10		0.74	0.07	0.00	0.000	0.000
9/30/2005	4.39	0.38	0.09		0.87	0.09	0.00	0.000	0.000
10/31/2005	3.77	0.31	0.08		0.99	0.09	0.00	0.000	0.000
11/30/2005	3.52	0.26	0.07		1.09	0.10	0.00	0.000	0.000
12/31/2005	3.37	0.28	0.08		1.20	0.11	0.00	0.000	0.000
1/31/2006	5.94	1.26	0.21		1.38	0.15	0.00	0.000	0.000
2/28/2006	6.97	1.12	0.16		1.58	0.18	0.00	0.000	0.000
3/31/2006	6.48	0.28	0.04		1.78	0.19	0.00	0.000	0.000
4/30/2006	4.54	0.58	0.13		1.91	0.21	0.00	0.000	0.000
5/31/2006	5.71	0.96	0.17		2.09	0.24	0.00	0.000	0.000
6/30/2006	5.50	0.96	0.17		2.25	0.27	0.00	0.000	0.000
7/31/2006	6.65	1.65	0.25		2.46	0.32	0.00	0.000	0.000
8/31/2006	7.11	2.56	0.36		2.68	0.40	0.00	0.000	0.000
9/30/2006	7.86	2.56	0.32		2.92	0.47	0.00	0.000	0.000
10/31/2006	7.63	2.58	0.34		3.15	0.55	0.00	0.000	0.000
11/30/2006	9.47	3.50	0.37		3.44	0.66	0.00	0.000	0.000
12/31/2006	11.47	3.72	0.32		3.79	0.77	0.00	0.000	0.000
1/31/2007	11.16	2.10	0.19		4.14	0.84	0.00	0.000	0.000
2/28/2007	9.48	2.33	0.25		4.41	0.90	0.00	0.000	0.000
3/31/2007	7.94	1.78	0.22		4.65	0.96	0.00	0.000	0.000
4/30/2007	7.62	1.76	0.23		4.88	1.01	0.00	0.000	0.000
5/31/2007	7.69	1.18	0.15		5.12	1.05	0.00	0.000	0.000
6/30/2007	6.77	1.21	0.18		5.32	1.09	0.00	0.000	0.000
7/31/2007	6.57	1.40	0.21		5.52	1.13	0.00	0.000	0.000
8/31/2007	6.63	1.30	0.20		5.73	1.17	0.00	0.000	0.000
9/30/2007	6.86	1.13	0.17		5.94	1.20	0.00	0.000	0.000
10/31/2007	6.39	1.03	0.16		6.13	1.23	0.00	0.000	0.000
11/30/2007	5.59	0.96	0.17		6.30	1.26	0.00	0.000	0.000
12/31/2007	5.94	0.85	0.14		6.49	1.29	0.00	0.000	0.000
1/31/2008	5.90	0.66	0.11		6.67	1.31	0.00	0.000	0.000
2/29/2008	5.69	0.67	0.12		6.83	1.33	0.00	0.000	0.000
3/31/2008	5.01	0.81	0.16		6.99	1.35	0.00	0.000	0.000
4/30/2008	5.09	0.87	0.17		7.14	1.38	0.00	0.000	0.000
5/31/2008	4.75	1.07	0.23		7.29	1.41	0.00	0.000	0.000
6/30/2008	4.62	1.07	0.23		7.43	1.45	0.00	0.000	0.000
7/31/2008	4.36	0.87	0.20		7.56	1.47	0.00	0.000	0.000
8/31/2008	4.11	0.83	0.20		7.69	1.50	0.00	0.000	0.000
9/30/2008	4.01	0.88	0.22		7.81	1.53	0.00	0.000	0.000
10/31/2008	4.05	0.92	0.23		7.94	1.55	0.00	0.000	0.000
11/30/2008	3.90	0.74	0.19		8.05	1.58	0.00	0.000	0.000
12/31/2008	3.91	0.76	0.19		8.18	1.60	0.00	0.000	0.000
1/31/2009	3.70	0.91	0.25		8.29	1.63	0.00	0.000	0.000
2/28/2009	3.58	0.96	0.27		8.39	1.65	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
3/31/2009	3.42	1.31	0.38		8.50	1.70	0.00	0.000	0.000
4/30/2009	3.35	1.20	0.36		8.60	1.73	0.00	0.000	0.000
5/31/2009	3.37	1.08	0.32		8.70	1.76	0.00	0.000	0.000
6/30/2009	3.31	1.22	0.37		8.80	1.80	0.00	0.000	0.000
7/31/2009	3.33	1.11	0.33		8.90	1.84	0.00	0.000	0.000
8/31/2009	3.15	1.04	0.33		9.00	1.87	0.00	0.000	0.000
9/30/2009	3.02	0.85	0.28		9.09	1.89	0.00	0.000	0.000
10/31/2009	3.28	0.86	0.26		9.19	1.92	0.00	0.000	0.000
11/30/2009	3.19	1.05	0.33		9.29	1.95	0.00	0.000	0.000
12/31/2009	3.20	1.05	0.33		9.39	1.98	0.00	0.000	0.000
1/31/2010	3.13	1.01	0.32		9.49	2.02	0.00	0.000	0.000
2/28/2010	3.11	0.98	0.31		9.57	2.04	0.00	0.000	0.000
3/31/2010	3.09	0.79	0.25		9.67	2.07	0.00	0.000	0.000
4/30/2010	2.98	0.75	0.25		9.76	2.09	0.00	0.000	0.000
5/31/2010	2.95	0.78	0.26		9.85	2.11	0.00	0.000	0.000
6/30/2010	2.50	1.03	0.41		9.92	2.15	0.00	0.000	0.000
7/31/2010	2.56	0.76	0.30		10.00	2.17	0.00	0.000	0.000
8/31/2010	2.52	0.88	0.35		10.08	2.20	0.00	0.000	0.000
9/30/2010	2.32	0.93	0.40		10.15	2.22	0.00	0.000	0.000
10/31/2010	2.27	0.91	0.40		10.22	2.25	0.00	0.000	0.000
11/30/2010	2.29	0.72	0.31		10.29	2.27	0.00	0.000	0.000
12/31/2010	2.08	0.68	0.33		10.36	2.29	0.00	0.000	0.000
1/31/2011	1.97	0.60	0.30		10.42	2.31	0.00	0.000	0.000
2/28/2011	2.34	0.64	0.27		10.48	2.33	0.00	0.000	0.000
3/31/2011	2.23	0.62	0.28		10.55	2.35	0.00	0.000	0.000
4/30/2011	2.11	0.51	0.24		10.61	2.37	0.00	0.000	0.000
5/31/2011	2.11	0.55	0.26		10.68	2.38	0.00	0.000	0.000
6/30/2011	1.68	0.44	0.26		10.73	2.40	0.00	0.000	0.000
7/31/2011	1.16	0.35	0.30		10.77	2.41	0.00	0.000	0.000
8/31/2011	2.44	0.81	0.33		10.84	2.43	0.00	0.000	0.000
9/30/2011	2.81	0.82	0.29		10.93	2.46	0.00	0.000	0.000
10/31/2011	2.25	0.66	0.29		11.00	2.48	0.00	0.000	0.000
11/30/2011	2.03	0.56	0.28		11.06	2.49	0.00	0.000	0.000
12/31/2011	1.53	0.51	0.33		11.10	2.51	0.00	0.000	0.000
1/31/2012	2.19	0.69	0.32		11.17	2.53	0.00	0.000	0.000
2/29/2012	2.15	0.54	0.25		11.23	2.55	0.00	0.000	0.000
3/31/2012	5.19	10.98	2.11		11.39	2.89	0.00	0.000	0.000
4/30/2012	8.30	17.53	2.11		11.64	3.41	0.00	0.000	0.000
5/31/2012	8.43	16.99	2.02		11.91	3.94	0.00	0.000	0.000
6/30/2012	8.26	16.16	1.96		12.15	4.42	0.00	0.000	0.000
7/31/2012	7.89	14.81	1.88		12.40	4.88	0.00	0.000	0.000
8/31/2012	7.89	16.14	2.05		12.64	5.38	0.00	0.000	0.000
9/30/2012	7.23	16.55	2.29		12.86	5.88	0.00	0.000	0.000
10/31/2012	7.48	15.66	2.09		13.09	6.37	0.00	0.000	0.000
11/30/2012	7.46	15.66	2.10		13.31	6.84	0.00	0.000	0.000
12/31/2012	5.71	13.98	2.45		13.49	7.27	0.00	0.000	0.000

# Pattern: 03/05-15-008-29Inj Set: SinclairUnit#7

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.32 m3/m3

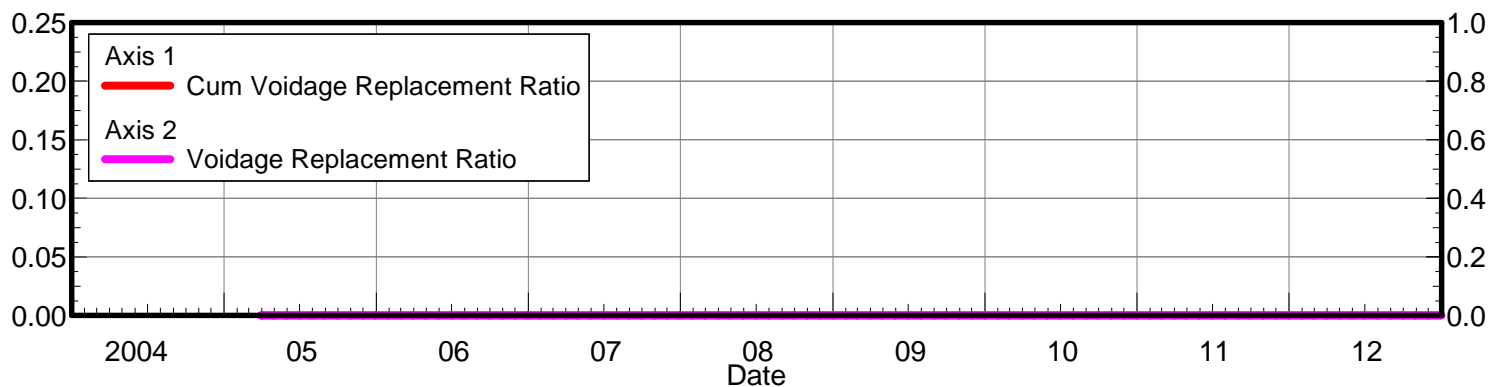
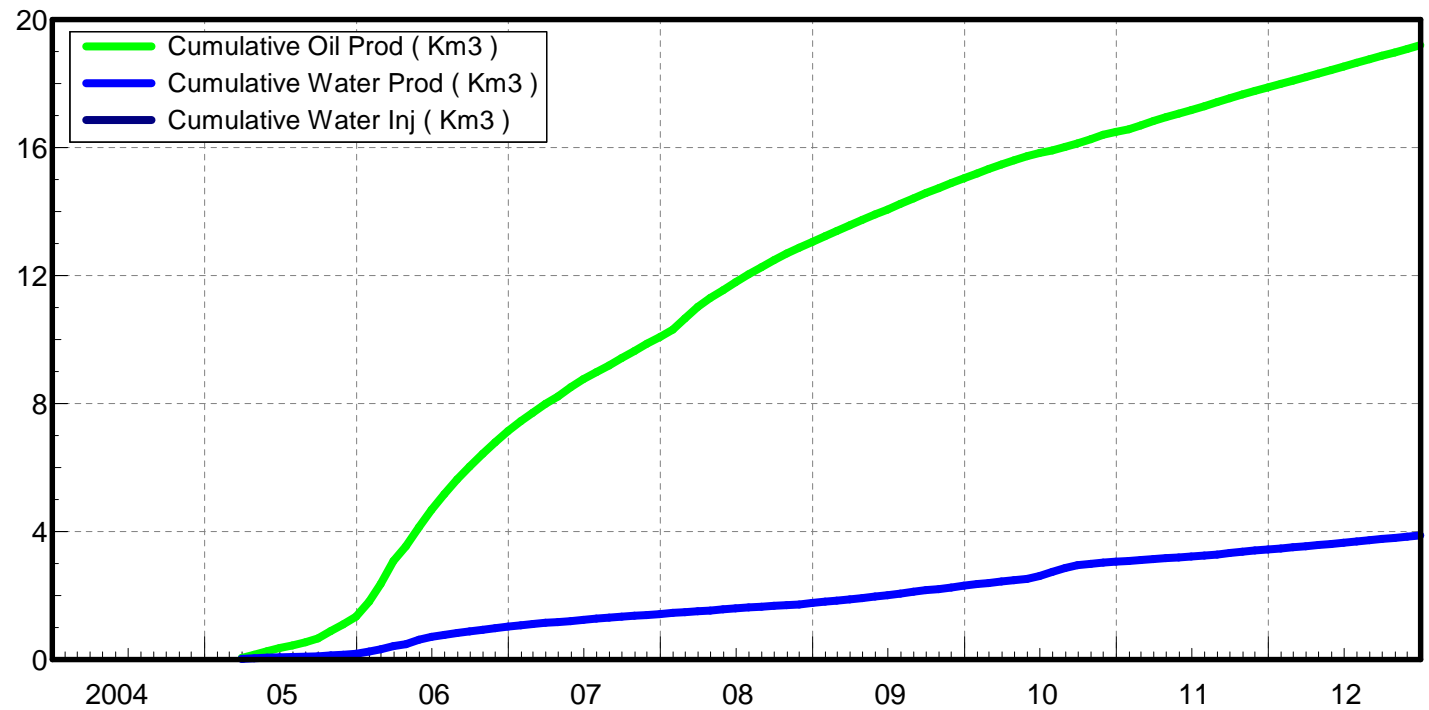
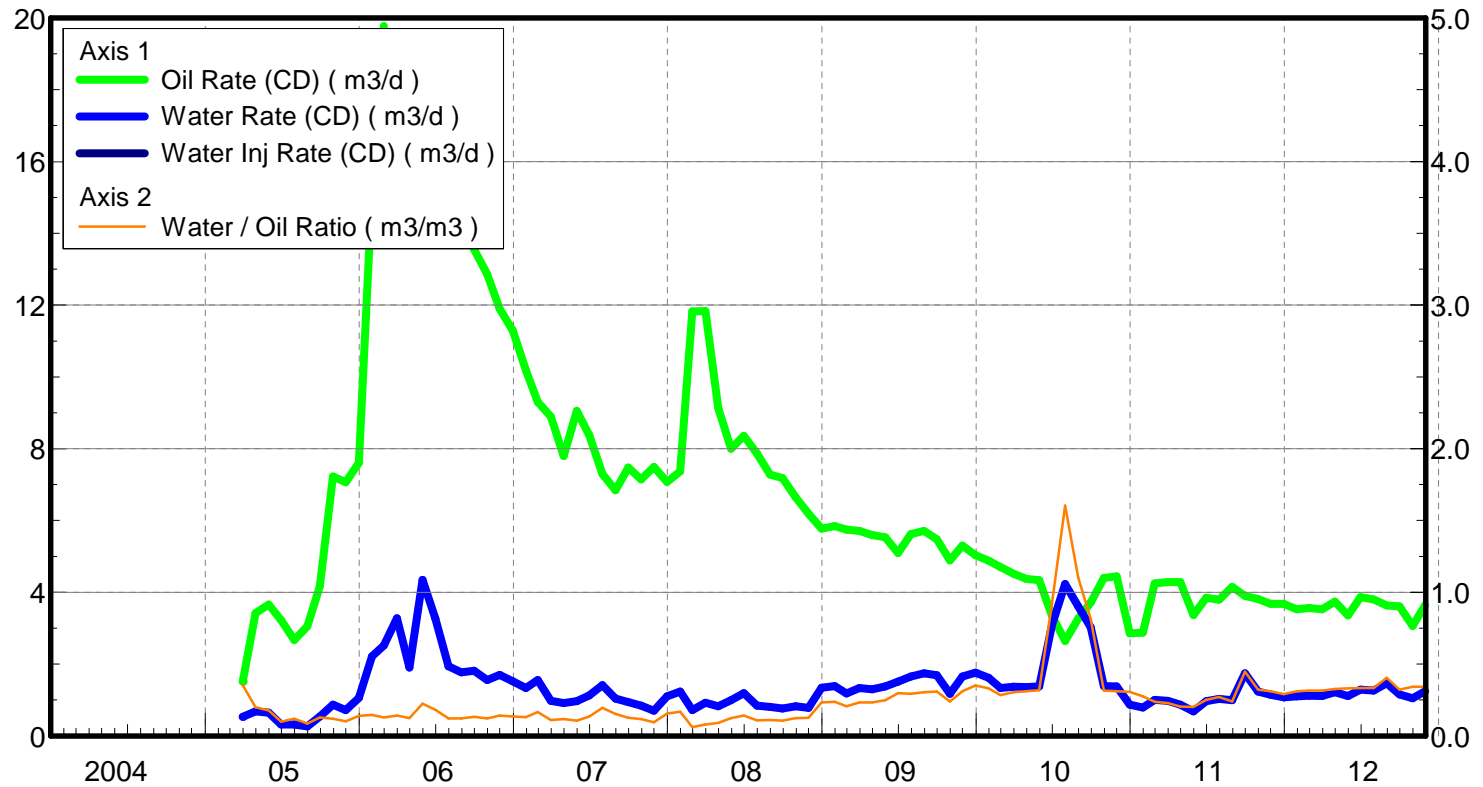
March 07, 2013

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 3.92 m3/d

Water Rate (CD) : 1.27 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
3/31/2005	1.51	0.54	0.35		0.05	0.02	0.00	0.000	0.000
4/30/2005	3.42	0.68	0.20		0.15	0.04	0.00	0.000	0.000
5/31/2005	3.66	0.65	0.18		0.26	0.06	0.00	0.000	0.000
6/30/2005	3.22	0.32	0.10		0.36	0.07	0.00	0.000	0.000
7/31/2005	2.67	0.32	0.12		0.44	0.08	0.00	0.000	0.000
8/31/2005	3.06	0.26	0.08		0.54	0.08	0.00	0.000	0.000
9/30/2005	4.17	0.54	0.13		0.66	0.10	0.00	0.000	0.000
10/31/2005	7.23	0.87	0.12		0.89	0.13	0.00	0.000	0.000
11/30/2005	7.07	0.72	0.10		1.10	0.15	0.00	0.000	0.000
12/31/2005	7.61	1.06	0.14		1.33	0.18	0.00	0.000	0.000
1/31/2006	15.16	2.22	0.15		1.80	0.25	0.00	0.000	0.000
2/28/2006	19.77	2.52	0.13		2.36	0.32	0.00	0.000	0.000
3/31/2006	23.26	3.27	0.14		3.08	0.42	0.00	0.000	0.000
4/30/2006	15.32	1.90	0.12		3.54	0.48	0.00	0.000	0.000
5/31/2006	19.40	4.34	0.22		4.14	0.61	0.00	0.000	0.000
6/30/2006	17.87	3.27	0.18		4.68	0.71	0.00	0.000	0.000
7/31/2006	16.04	1.94	0.12		5.17	0.77	0.00	0.000	0.000
8/31/2006	14.63	1.77	0.12		5.63	0.83	0.00	0.000	0.000
9/30/2006	13.56	1.81	0.13		6.03	0.88	0.00	0.000	0.000
10/31/2006	12.85	1.56	0.12		6.43	0.93	0.00	0.000	0.000
11/30/2006	11.89	1.70	0.14		6.79	0.98	0.00	0.000	0.000
12/31/2006	11.29	1.52	0.13		7.14	1.03	0.00	0.000	0.000
1/31/2007	10.19	1.34	0.13		7.45	1.07	0.00	0.000	0.000
2/28/2007	9.30	1.55	0.17		7.72	1.11	0.00	0.000	0.000
3/31/2007	8.89	0.98	0.11		7.99	1.14	0.00	0.000	0.000
4/30/2007	7.79	0.92	0.12		8.22	1.17	0.00	0.000	0.000
5/31/2007	9.05	0.96	0.11		8.51	1.20	0.00	0.000	0.000
6/30/2007	8.38	1.13	0.14		8.76	1.24	0.00	0.000	0.000
7/31/2007	7.30	1.42	0.19		8.98	1.28	0.00	0.000	0.000
8/31/2007	6.85	1.04	0.15		9.20	1.31	0.00	0.000	0.000
9/30/2007	7.48	0.94	0.13		9.42	1.34	0.00	0.000	0.000
10/31/2007	7.15	0.84	0.12		9.64	1.37	0.00	0.000	0.000
11/30/2007	7.49	0.70	0.09		9.87	1.39	0.00	0.000	0.000
12/31/2007	7.08	1.10	0.16		10.09	1.42	0.00	0.000	0.000
1/31/2008	7.36	1.24	0.17		10.31	1.46	0.00	0.000	0.000
2/29/2008	11.83	0.72	0.06		10.66	1.48	0.00	0.000	0.000
3/31/2008	11.84	0.93	0.08		11.02	1.51	0.00	0.000	0.000
4/30/2008	9.13	0.82	0.09		11.30	1.53	0.00	0.000	0.000
5/31/2008	8.00	0.99	0.12		11.55	1.56	0.00	0.000	0.000
6/30/2008	8.36	1.19	0.14		11.80	1.60	0.00	0.000	0.000
7/31/2008	7.86	0.85	0.11		12.04	1.63	0.00	0.000	0.000
8/31/2008	7.28	0.81	0.11		12.27	1.65	0.00	0.000	0.000
9/30/2008	7.18	0.77	0.11		12.48	1.67	0.00	0.000	0.000
10/31/2008	6.65	0.82	0.12		12.69	1.70	0.00	0.000	0.000
11/30/2008	6.20	0.79	0.13		12.87	1.72	0.00	0.000	0.000
12/31/2008	5.77	1.34	0.23		13.05	1.77	0.00	0.000	0.000
1/31/2009	5.84	1.39	0.24		13.23	1.81	0.00	0.000	0.000
2/28/2009	5.74	1.18	0.21		13.39	1.84	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
3/31/2009	5.71	1.33	0.23		13.57	1.88	0.00	0.000	0.000
4/30/2009	5.60	1.30	0.23		13.74	1.92	0.00	0.000	0.000
5/31/2009	5.54	1.38	0.25		13.91	1.96	0.00	0.000	0.000
6/30/2009	5.10	1.51	0.30		14.06	2.01	0.00	0.000	0.000
7/31/2009	5.62	1.65	0.29		14.24	2.06	0.00	0.000	0.000
8/31/2009	5.71	1.74	0.30		14.41	2.12	0.00	0.000	0.000
9/30/2009	5.48	1.69	0.31		14.58	2.17	0.00	0.000	0.000
10/31/2009	4.89	1.18	0.24		14.73	2.20	0.00	0.000	0.000
11/30/2009	5.30	1.65	0.31		14.89	2.25	0.00	0.000	0.000
12/31/2009	5.03	1.76	0.35		15.05	2.31	0.00	0.000	0.000
1/31/2010	4.88	1.61	0.33		15.20	2.36	0.00	0.000	0.000
2/28/2010	4.70	1.34	0.28		15.33	2.39	0.00	0.000	0.000
3/31/2010	4.51	1.37	0.30		15.47	2.44	0.00	0.000	0.000
4/30/2010	4.38	1.36	0.31		15.60	2.48	0.00	0.000	0.000
5/31/2010	4.34	1.38	0.32		15.73	2.52	0.00	0.000	0.000
6/30/2010	3.35	3.09	0.92		15.83	2.61	0.00	0.000	0.000
7/31/2010	2.64	4.23	1.60		15.92	2.74	0.00	0.000	0.000
8/31/2010	3.27	3.61	1.10		16.02	2.86	0.00	0.000	0.000
9/30/2010	3.71	3.02	0.81		16.13	2.95	0.00	0.000	0.000
10/31/2010	4.40	1.39	0.32		16.27	2.99	0.00	0.000	0.000
11/30/2010	4.44	1.38	0.31		16.40	3.03	0.00	0.000	0.000
12/31/2010	2.86	0.87	0.31		16.49	3.06	0.00	0.000	0.000
1/31/2011	2.88	0.79	0.28		16.58	3.08	0.00	0.000	0.000
2/28/2011	4.25	1.01	0.24		16.70	3.11	0.00	0.000	0.000
3/31/2011	4.28	0.98	0.23		16.83	3.14	0.00	0.000	0.000
4/30/2011	4.28	0.87	0.20		16.96	3.17	0.00	0.000	0.000
5/31/2011	3.37	0.68	0.20		17.06	3.19	0.00	0.000	0.000
6/30/2011	3.85	0.97	0.25		17.18	3.22	0.00	0.000	0.000
7/31/2011	3.80	1.03	0.27		17.29	3.25	0.00	0.000	0.000
8/31/2011	4.15	1.00	0.24		17.42	3.28	0.00	0.000	0.000
9/30/2011	3.90	1.75	0.45		17.54	3.33	0.00	0.000	0.000
10/31/2011	3.81	1.23	0.32		17.66	3.37	0.00	0.000	0.000
11/30/2011	3.67	1.15	0.31		17.77	3.41	0.00	0.000	0.000
12/31/2011	3.68	1.07	0.29		17.88	3.44	0.00	0.000	0.000
1/31/2012	3.53	1.10	0.31		17.99	3.47	0.00	0.000	0.000
2/29/2012	3.56	1.12	0.31		18.10	3.50	0.00	0.000	0.000
3/31/2012	3.53	1.11	0.32		18.20	3.54	0.00	0.000	0.000
4/30/2012	3.74	1.22	0.33		18.32	3.58	0.00	0.000	0.000
5/31/2012	3.36	1.11	0.33		18.42	3.61	0.00	0.000	0.000
6/30/2012	3.86	1.29	0.33		18.54	3.65	0.00	0.000	0.000
7/31/2012	3.80	1.26	0.33		18.65	3.69	0.00	0.000	0.000
8/31/2012	3.63	1.47	0.40		18.77	3.73	0.00	0.000	0.000
9/30/2012	3.61	1.16	0.32		18.88	3.77	0.00	0.000	0.000
10/31/2012	3.06	1.05	0.34		18.97	3.80	0.00	0.000	0.000
11/30/2012	3.64	1.25	0.34		19.08	3.84	0.00	0.000	0.000
12/31/2012	3.92	1.27	0.32		19.20	3.88	0.00	0.000	0.000

# Pattern: 02/05-15-008-29Inj Set: SinclairUnit#7

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.26 m3/m3

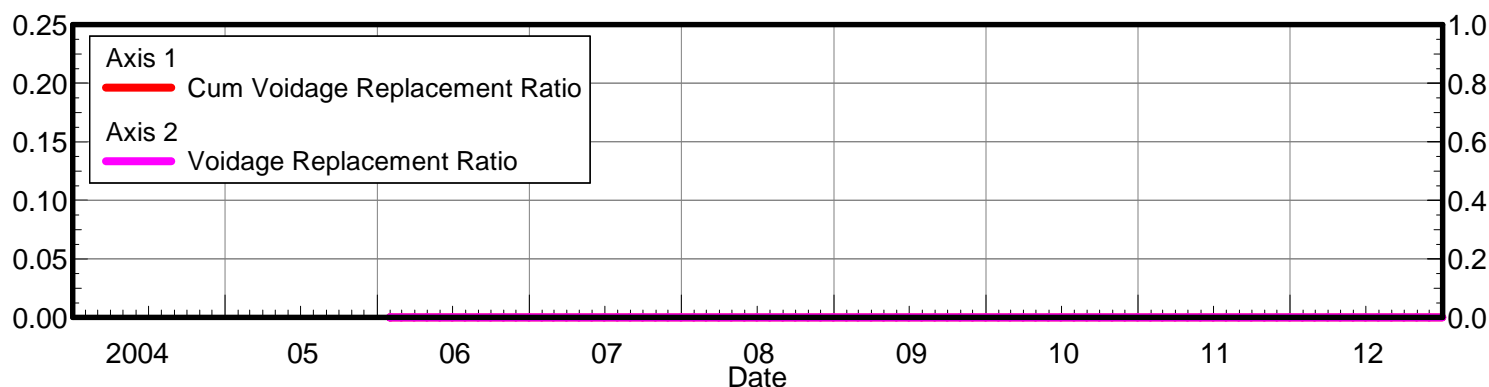
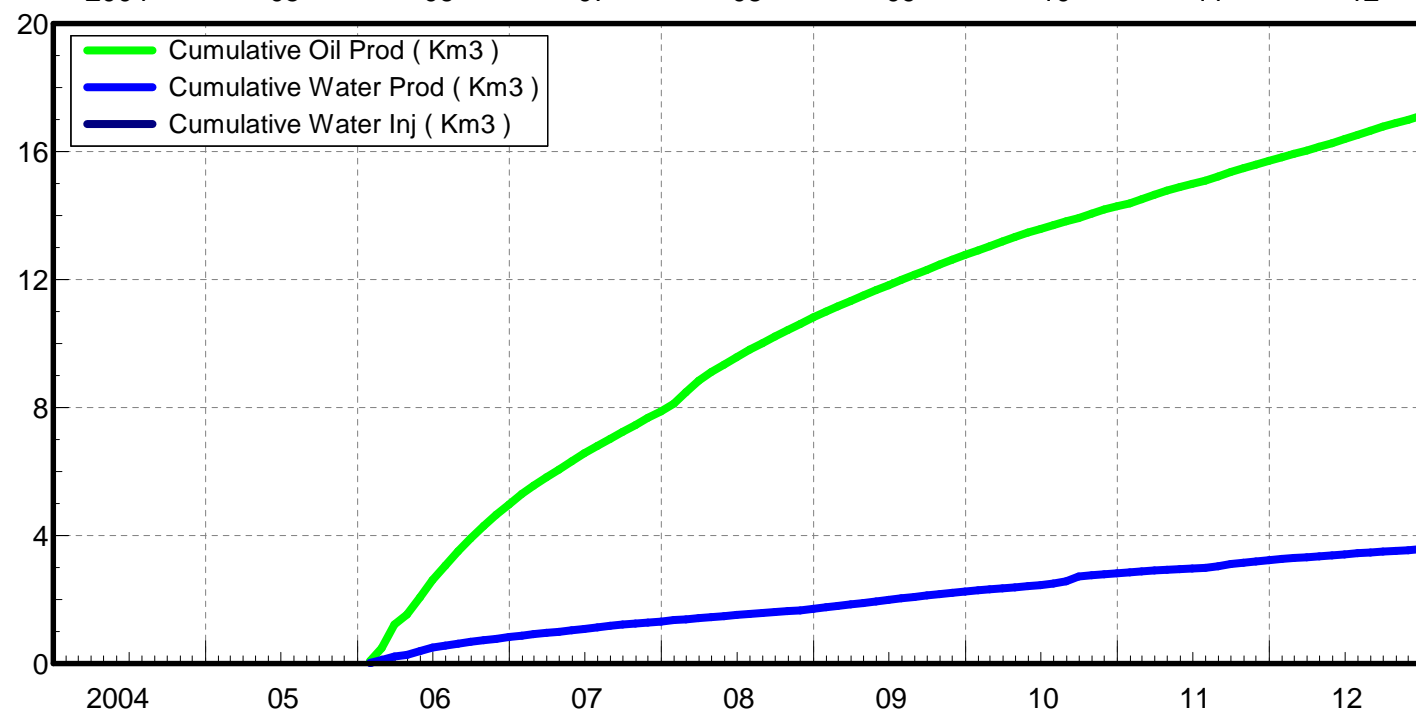
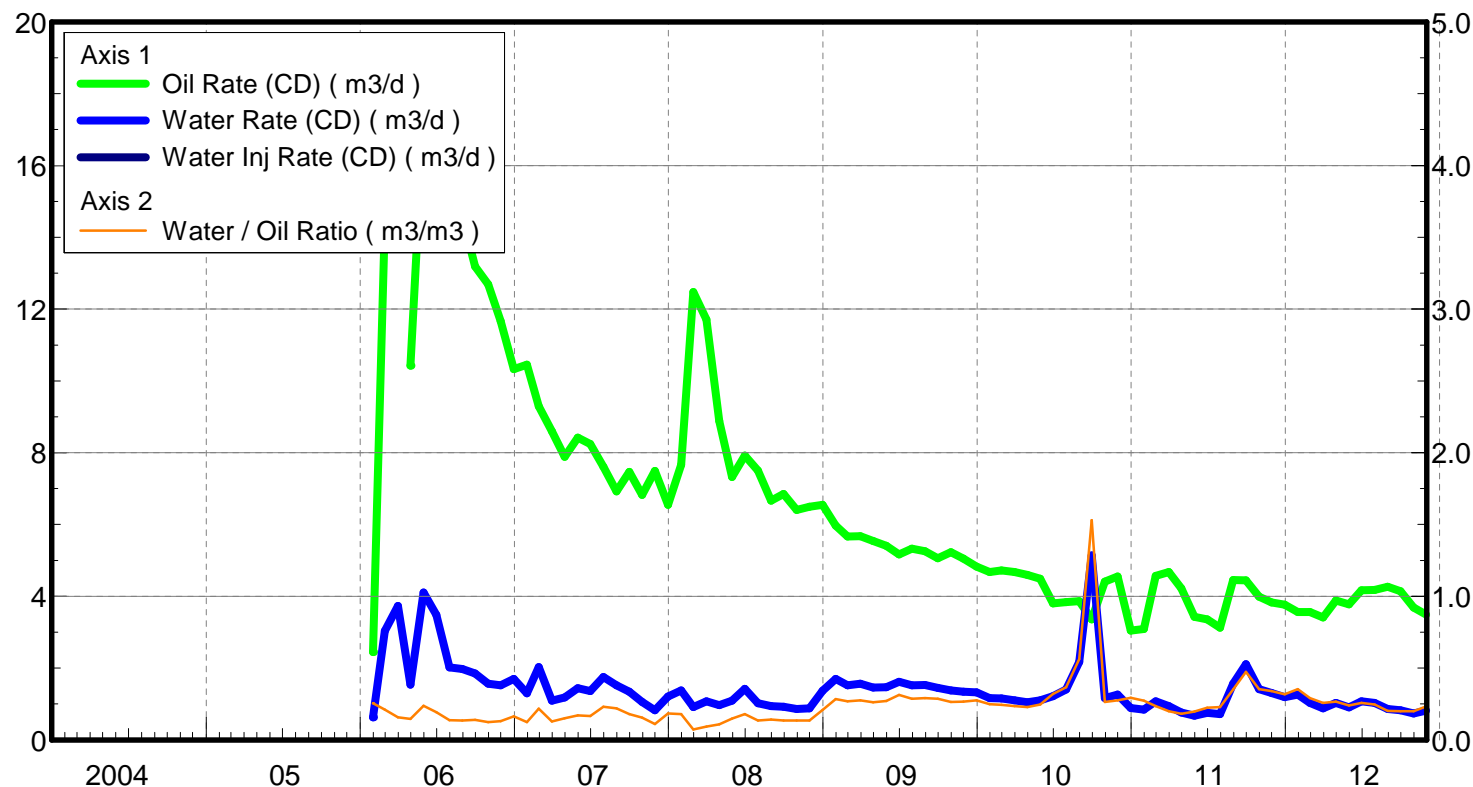
March 07, 2013

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 4.14 m3/d

Water Rate (CD) : 1.06 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
1/31/2006	2.45	0.63	0.26		0.08	0.02	0.00	0.000	0.000
2/28/2006	14.45	3.04	0.21		0.48	0.10	0.00	0.000	0.000
3/31/2006	23.80	3.73	0.16		1.22	0.22	0.00	0.000	0.000
4/30/2006	10.43	1.53	0.15		1.53	0.27	0.00	0.000	0.000
5/31/2006	17.30	4.11	0.24		2.07	0.39	0.00	0.000	0.000
6/30/2006	17.98	3.48	0.19		2.61	0.50	0.00	0.000	0.000
7/31/2006	14.64	2.02	0.14		3.06	0.56	0.00	0.000	0.000
8/31/2006	14.58	1.97	0.14		3.51	0.62	0.00	0.000	0.000
9/30/2006	13.19	1.85	0.14		3.91	0.68	0.00	0.000	0.000
10/31/2006	12.69	1.56	0.12		4.30	0.73	0.00	0.000	0.000
11/30/2006	11.66	1.52	0.13		4.65	0.77	0.00	0.000	0.000
12/31/2006	10.32	1.70	0.16		4.97	0.82	0.00	0.000	0.000
1/31/2007	10.45	1.30	0.12		5.30	0.86	0.00	0.000	0.000
2/28/2007	9.30	2.03	0.22		5.56	0.92	0.00	0.000	0.000
3/31/2007	8.60	1.10	0.13		5.82	0.96	0.00	0.000	0.000
4/30/2007	7.89	1.19	0.15		6.06	0.99	0.00	0.000	0.000
5/31/2007	8.42	1.44	0.17		6.32	1.04	0.00	0.000	0.000
6/30/2007	8.24	1.36	0.17		6.57	1.08	0.00	0.000	0.000
7/31/2007	7.61	1.75	0.23		6.80	1.13	0.00	0.000	0.000
8/31/2007	6.92	1.52	0.22		7.02	1.18	0.00	0.000	0.000
9/30/2007	7.47	1.34	0.18		7.24	1.22	0.00	0.000	0.000
10/31/2007	6.82	1.05	0.15		7.45	1.25	0.00	0.000	0.000
11/30/2007	7.49	0.83	0.11		7.68	1.28	0.00	0.000	0.000
12/31/2007	6.55	1.21	0.19		7.88	1.31	0.00	0.000	0.000
1/31/2008	7.66	1.38	0.18		8.12	1.36	0.00	0.000	0.000
2/29/2008	12.48	0.91	0.07		8.48	1.38	0.00	0.000	0.000
3/31/2008	11.70	1.08	0.09		8.84	1.42	0.00	0.000	0.000
4/30/2008	8.88	0.97	0.11		9.11	1.44	0.00	0.000	0.000
5/31/2008	7.33	1.09	0.15		9.34	1.48	0.00	0.000	0.000
6/30/2008	7.92	1.42	0.18		9.57	1.52	0.00	0.000	0.000
7/31/2008	7.50	1.02	0.14		9.81	1.55	0.00	0.000	0.000
8/31/2008	6.66	0.94	0.14		10.01	1.58	0.00	0.000	0.000
9/30/2008	6.85	0.93	0.13		10.22	1.61	0.00	0.000	0.000
10/31/2008	6.41	0.86	0.13		10.42	1.64	0.00	0.000	0.000
11/30/2008	6.50	0.88	0.14		10.61	1.66	0.00	0.000	0.000
12/31/2008	6.55	1.37	0.21		10.82	1.71	0.00	0.000	0.000
1/31/2009	5.97	1.70	0.29		11.00	1.76	0.00	0.000	0.000
2/28/2009	5.67	1.52	0.27		11.16	1.80	0.00	0.000	0.000
3/31/2009	5.67	1.57	0.28		11.34	1.85	0.00	0.000	0.000
4/30/2009	5.54	1.46	0.26		11.50	1.89	0.00	0.000	0.000
5/31/2009	5.41	1.47	0.27		11.67	1.94	0.00	0.000	0.000
6/30/2009	5.17	1.62	0.31		11.82	1.99	0.00	0.000	0.000
7/31/2009	5.33	1.52	0.29		11.99	2.03	0.00	0.000	0.000
8/31/2009	5.26	1.53	0.29		12.15	2.08	0.00	0.000	0.000
9/30/2009	5.06	1.45	0.29		12.30	2.12	0.00	0.000	0.000
10/31/2009	5.23	1.38	0.26		12.47	2.17	0.00	0.000	0.000
11/30/2009	5.05	1.34	0.27		12.62	2.21	0.00	0.000	0.000
12/31/2009	4.83	1.33	0.27		12.77	2.25	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
1/31/2010	4.67	1.16	0.25		12.91	2.29	0.00	0.000	0.000
2/28/2010	4.72	1.15	0.24		13.04	2.32	0.00	0.000	0.000
3/31/2010	4.68	1.10	0.23		13.19	2.35	0.00	0.000	0.000
4/30/2010	4.59	1.05	0.23		13.33	2.38	0.00	0.000	0.000
5/31/2010	4.49	1.10	0.25		13.47	2.42	0.00	0.000	0.000
6/30/2010	3.81	1.22	0.32		13.58	2.45	0.00	0.000	0.000
7/31/2010	3.84	1.41	0.37		13.70	2.50	0.00	0.000	0.000
8/31/2010	3.86	2.17	0.56		13.82	2.56	0.00	0.000	0.000
9/30/2010	3.36	5.14	1.53		13.92	2.72	0.00	0.000	0.000
10/31/2010	4.40	1.16	0.26		14.06	2.75	0.00	0.000	0.000
11/30/2010	4.55	1.26	0.28		14.19	2.79	0.00	0.000	0.000
12/31/2010	3.04	0.89	0.29		14.29	2.82	0.00	0.000	0.000
1/31/2011	3.09	0.84	0.27		14.38	2.85	0.00	0.000	0.000
2/28/2011	4.57	1.08	0.24		14.51	2.88	0.00	0.000	0.000
3/31/2011	4.68	0.94	0.20		14.66	2.91	0.00	0.000	0.000
4/30/2011	4.22	0.77	0.18		14.78	2.93	0.00	0.000	0.000
5/31/2011	3.43	0.68	0.20		14.89	2.95	0.00	0.000	0.000
6/30/2011	3.36	0.76	0.23		14.99	2.97	0.00	0.000	0.000
7/31/2011	3.12	0.71	0.23		15.09	2.99	0.00	0.000	0.000
8/31/2011	4.45	1.56	0.35		15.22	3.04	0.00	0.000	0.000
9/30/2011	4.44	2.11	0.47		15.36	3.11	0.00	0.000	0.000
10/31/2011	3.99	1.41	0.35		15.48	3.15	0.00	0.000	0.000
11/30/2011	3.83	1.30	0.34		15.60	3.19	0.00	0.000	0.000
12/31/2011	3.76	1.19	0.32		15.71	3.23	0.00	0.000	0.000
1/31/2012	3.56	1.26	0.35		15.82	3.26	0.00	0.000	0.000
2/29/2012	3.56	1.03	0.29		15.93	3.29	0.00	0.000	0.000
3/31/2012	3.41	0.88	0.26		16.03	3.32	0.00	0.000	0.000
4/30/2012	3.88	1.03	0.27		16.15	3.35	0.00	0.000	0.000
5/31/2012	3.78	0.91	0.24		16.27	3.38	0.00	0.000	0.000
6/30/2012	4.17	1.08	0.26		16.39	3.41	0.00	0.000	0.000
7/31/2012	4.18	1.03	0.25		16.52	3.45	0.00	0.000	0.000
8/31/2012	4.26	0.86	0.20		16.65	3.47	0.00	0.000	0.000
9/30/2012	4.14	0.82	0.20		16.78	3.50	0.00	0.000	0.000
10/31/2012	3.68	0.74	0.20		16.89	3.52	0.00	0.000	0.000
11/30/2012	3.49	0.81	0.23		17.00	3.54	0.00	0.000	0.000
12/31/2012	4.14	1.06	0.26		17.12	3.58	0.00	0.000	0.000

# Pattern: 04/12-15-008-29Inj Set: SinclairUnit#7

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.72 m3/m3

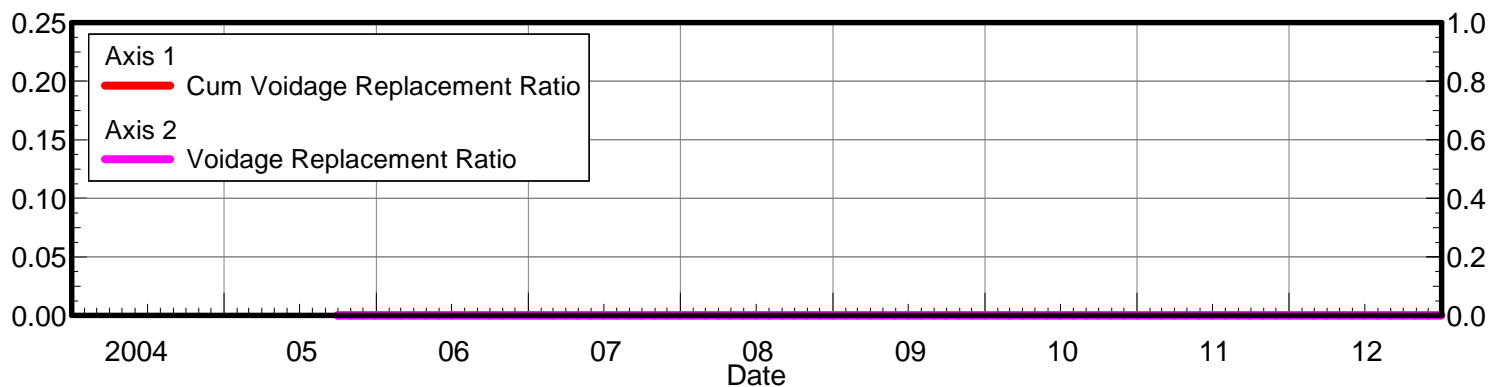
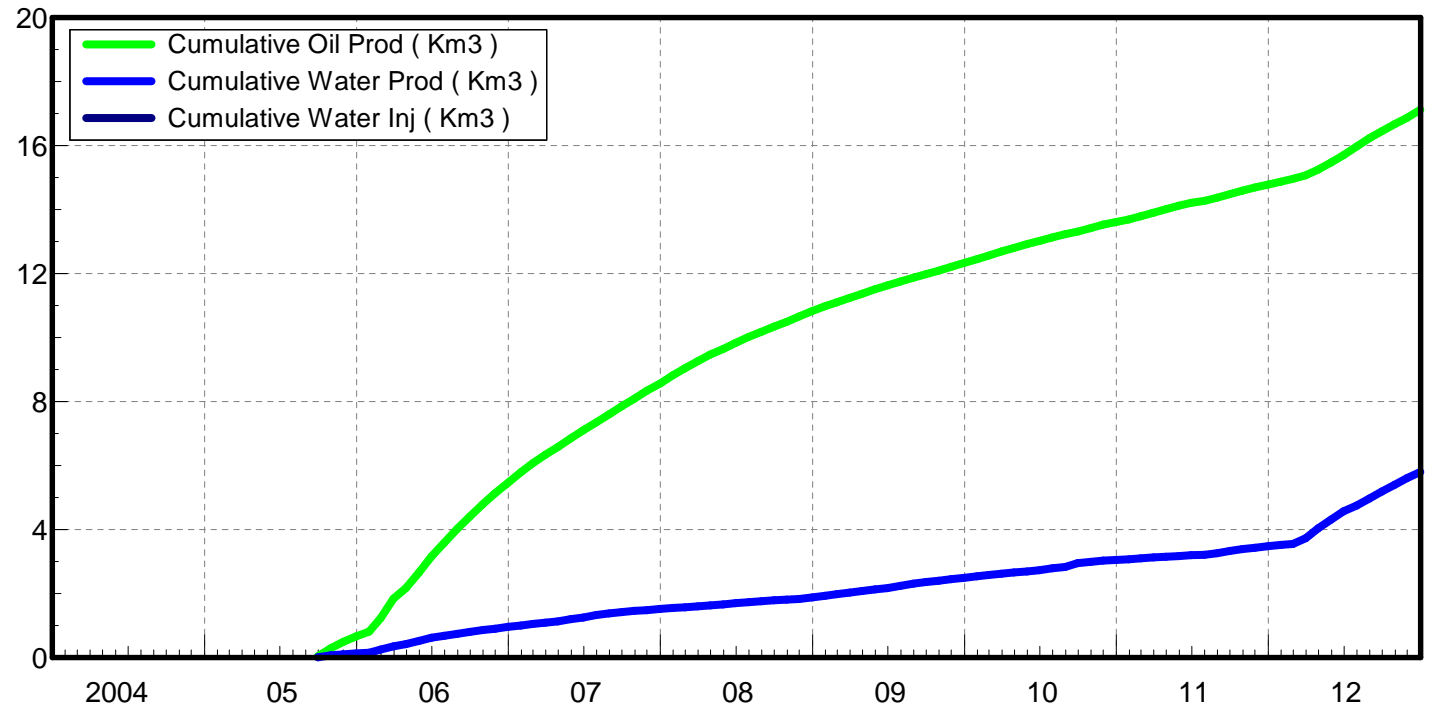
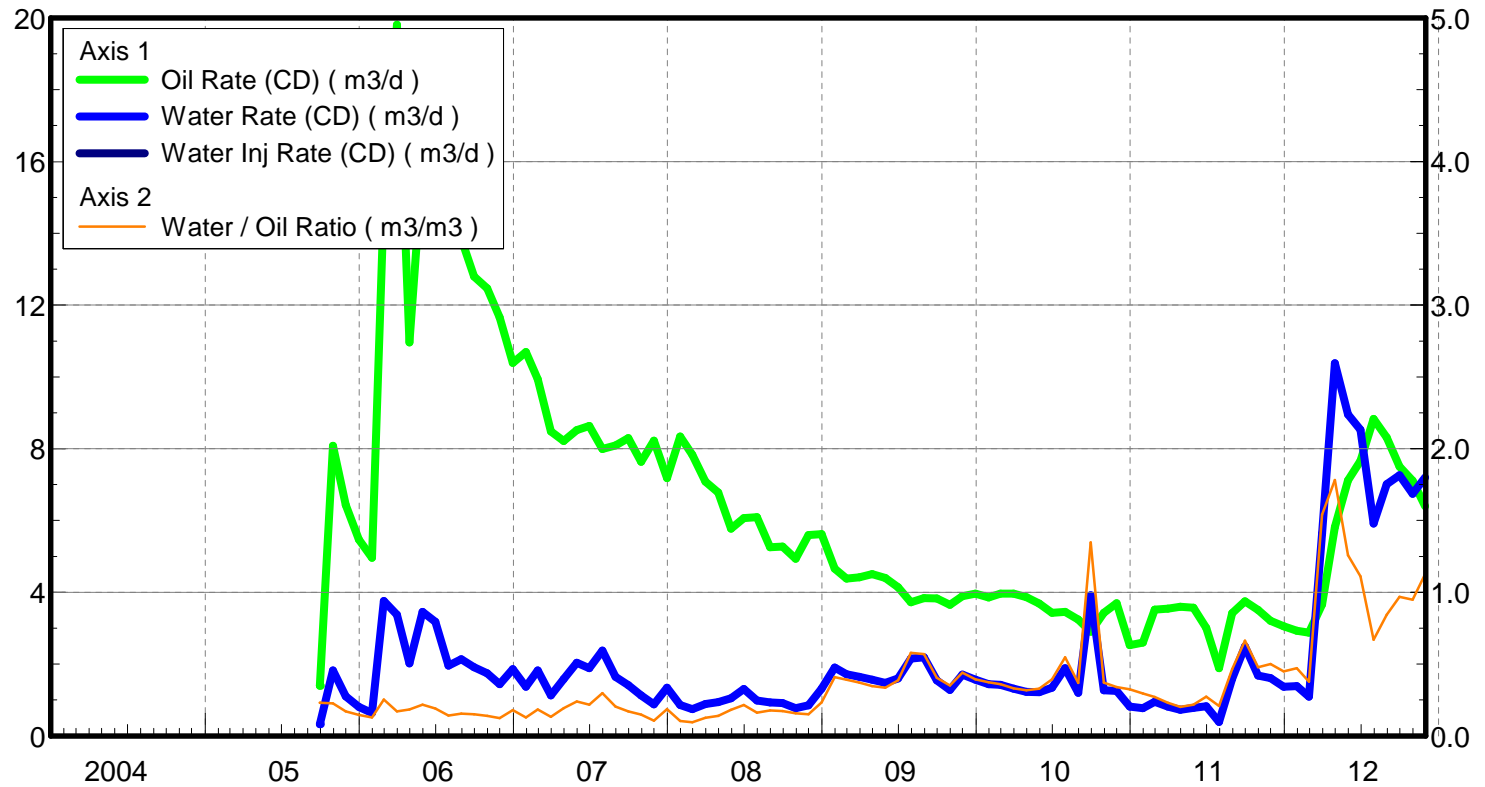
March 07, 2013

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 8.28 m3/d

Water Rate (CD) : 5.93 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
9/30/2005	1.39	0.32	0.23		0.04	0.01	0.00	0.000	0.000
10/31/2005	8.08	1.82	0.23		0.29	0.07	0.00	0.000	0.000
11/30/2005	6.43	1.10	0.17		0.49	0.10	0.00	0.000	0.000
12/31/2005	5.47	0.80	0.15		0.65	0.12	0.00	0.000	0.000
1/31/2006	4.96	0.64	0.13		0.81	0.14	0.00	0.000	0.000
2/28/2006	14.87	3.76	0.25		1.22	0.25	0.00	0.000	0.000
3/31/2006	19.81	3.37	0.17		1.84	0.35	0.00	0.000	0.000
4/30/2006	10.96	2.02	0.18		2.17	0.41	0.00	0.000	0.000
5/31/2006	15.95	3.46	0.22		2.66	0.52	0.00	0.000	0.000
6/30/2006	16.64	3.18	0.19		3.16	0.62	0.00	0.000	0.000
7/31/2006	13.86	1.96	0.14		3.59	0.68	0.00	0.000	0.000
8/31/2006	13.85	2.14	0.15		4.02	0.74	0.00	0.000	0.000
9/30/2006	12.80	1.91	0.15		4.40	0.80	0.00	0.000	0.000
10/31/2006	12.47	1.74	0.14		4.79	0.86	0.00	0.000	0.000
11/30/2006	11.65	1.44	0.12		5.14	0.90	0.00	0.000	0.000
12/31/2006	10.39	1.86	0.18		5.46	0.96	0.00	0.000	0.000
1/31/2007	10.70	1.37	0.13		5.79	1.00	0.00	0.000	0.000
2/28/2007	9.94	1.82	0.18		6.07	1.05	0.00	0.000	0.000
3/31/2007	8.48	1.13	0.13		6.34	1.08	0.00	0.000	0.000
4/30/2007	8.22	1.58	0.19		6.58	1.13	0.00	0.000	0.000
5/31/2007	8.52	2.04	0.24		6.85	1.20	0.00	0.000	0.000
6/30/2007	8.63	1.88	0.22		7.10	1.25	0.00	0.000	0.000
7/31/2007	7.99	2.38	0.30		7.35	1.33	0.00	0.000	0.000
8/31/2007	8.09	1.65	0.20		7.60	1.38	0.00	0.000	0.000
9/30/2007	8.29	1.41	0.17		7.85	1.42	0.00	0.000	0.000
10/31/2007	7.63	1.13	0.15		8.09	1.45	0.00	0.000	0.000
11/30/2007	8.22	0.88	0.11		8.34	1.48	0.00	0.000	0.000
12/31/2007	7.18	1.34	0.19		8.56	1.52	0.00	0.000	0.000
1/31/2008	8.34	0.86	0.10		8.82	1.55	0.00	0.000	0.000
2/29/2008	7.83	0.75	0.10		9.04	1.57	0.00	0.000	0.000
3/31/2008	7.08	0.89	0.13		9.26	1.60	0.00	0.000	0.000
4/30/2008	6.78	0.94	0.14		9.47	1.63	0.00	0.000	0.000
5/31/2008	5.77	1.05	0.18		9.65	1.66	0.00	0.000	0.000
6/30/2008	6.06	1.31	0.22		9.83	1.70	0.00	0.000	0.000
7/31/2008	6.09	0.99	0.16		10.02	1.73	0.00	0.000	0.000
8/31/2008	5.26	0.93	0.18		10.18	1.76	0.00	0.000	0.000
9/30/2008	5.27	0.91	0.17		10.34	1.78	0.00	0.000	0.000
10/31/2008	4.94	0.78	0.16		10.49	1.81	0.00	0.000	0.000
11/30/2008	5.59	0.85	0.15		10.66	1.83	0.00	0.000	0.000
12/31/2008	5.62	1.31	0.23		10.83	1.87	0.00	0.000	0.000
1/31/2009	4.65	1.90	0.41		10.98	1.93	0.00	0.000	0.000
2/28/2009	4.38	1.72	0.39		11.10	1.98	0.00	0.000	0.000
3/31/2009	4.41	1.64	0.37		11.24	2.03	0.00	0.000	0.000
4/30/2009	4.51	1.56	0.35		11.37	2.08	0.00	0.000	0.000
5/31/2009	4.40	1.47	0.34		11.51	2.13	0.00	0.000	0.000
6/30/2009	4.14	1.60	0.39		11.63	2.17	0.00	0.000	0.000
7/31/2009	3.72	2.16	0.58		11.75	2.24	0.00	0.000	0.000
8/31/2009	3.84	2.19	0.57		11.87	2.31	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
9/30/2009	3.83	1.55	0.40		11.98	2.35	0.00	0.000	0.000
10/31/2009	3.65	1.28	0.35		12.09	2.39	0.00	0.000	0.000
11/30/2009	3.89	1.71	0.44		12.21	2.45	0.00	0.000	0.000
12/31/2009	3.96	1.56	0.39		12.33	2.49	0.00	0.000	0.000
1/31/2010	3.86	1.44	0.37		12.45	2.54	0.00	0.000	0.000
2/28/2010	3.96	1.43	0.36		12.57	2.58	0.00	0.000	0.000
3/31/2010	3.96	1.31	0.33		12.69	2.62	0.00	0.000	0.000
4/30/2010	3.86	1.23	0.32		12.80	2.66	0.00	0.000	0.000
5/31/2010	3.69	1.21	0.33		12.92	2.69	0.00	0.000	0.000
6/30/2010	3.43	1.35	0.39		13.02	2.73	0.00	0.000	0.000
7/31/2010	3.46	1.89	0.55		13.13	2.79	0.00	0.000	0.000
8/31/2010	3.24	1.20	0.37		13.23	2.83	0.00	0.000	0.000
9/30/2010	2.91	3.92	1.35		13.32	2.95	0.00	0.000	0.000
10/31/2010	3.42	1.27	0.37		13.42	2.99	0.00	0.000	0.000
11/30/2010	3.70	1.26	0.34		13.53	3.02	0.00	0.000	0.000
12/31/2010	2.53	0.82	0.32		13.61	3.05	0.00	0.000	0.000
1/31/2011	2.60	0.77	0.30		13.69	3.07	0.00	0.000	0.000
2/28/2011	3.51	0.95	0.27		13.79	3.10	0.00	0.000	0.000
3/31/2011	3.54	0.82	0.23		13.90	3.13	0.00	0.000	0.000
4/30/2011	3.60	0.73	0.20		14.01	3.15	0.00	0.000	0.000
5/31/2011	3.57	0.78	0.22		14.12	3.17	0.00	0.000	0.000
6/30/2011	3.01	0.82	0.27		14.21	3.20	0.00	0.000	0.000
7/31/2011	1.89	0.39	0.21		14.27	3.21	0.00	0.000	0.000
8/31/2011	3.42	1.59	0.46		14.37	3.26	0.00	0.000	0.000
9/30/2011	3.75	2.49	0.66		14.49	3.33	0.00	0.000	0.000
10/31/2011	3.50	1.68	0.48		14.59	3.38	0.00	0.000	0.000
11/30/2011	3.21	1.61	0.50		14.69	3.43	0.00	0.000	0.000
12/31/2011	3.05	1.37	0.45		14.79	3.48	0.00	0.000	0.000
1/31/2012	2.93	1.39	0.47		14.88	3.52	0.00	0.000	0.000
2/29/2012	2.88	1.09	0.38		14.96	3.55	0.00	0.000	0.000
3/31/2012	3.66	5.64	1.54		15.07	3.72	0.00	0.000	0.000
4/30/2012	5.82	10.38	1.78		15.25	4.04	0.00	0.000	0.000
5/31/2012	7.12	8.95	1.26		15.47	4.31	0.00	0.000	0.000
6/30/2012	7.67	8.53	1.11		15.70	4.57	0.00	0.000	0.000
7/31/2012	8.83	5.92	0.67		15.97	4.75	0.00	0.000	0.000
8/31/2012	8.31	7.01	0.84		16.23	4.97	0.00	0.000	0.000
9/30/2012	7.50	7.26	0.97		16.46	5.19	0.00	0.000	0.000
10/31/2012	7.11	6.75	0.95		16.68	5.40	0.00	0.000	0.000
11/30/2012	6.39	7.20	1.13		16.87	5.61	0.00	0.000	0.000
12/31/2012	8.28	5.93	0.72		17.12	5.80	0.00	0.000	0.000

# Pattern: 02/01-23-008-29Inj Set: SinclairUnit#7

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.81 m3/m3

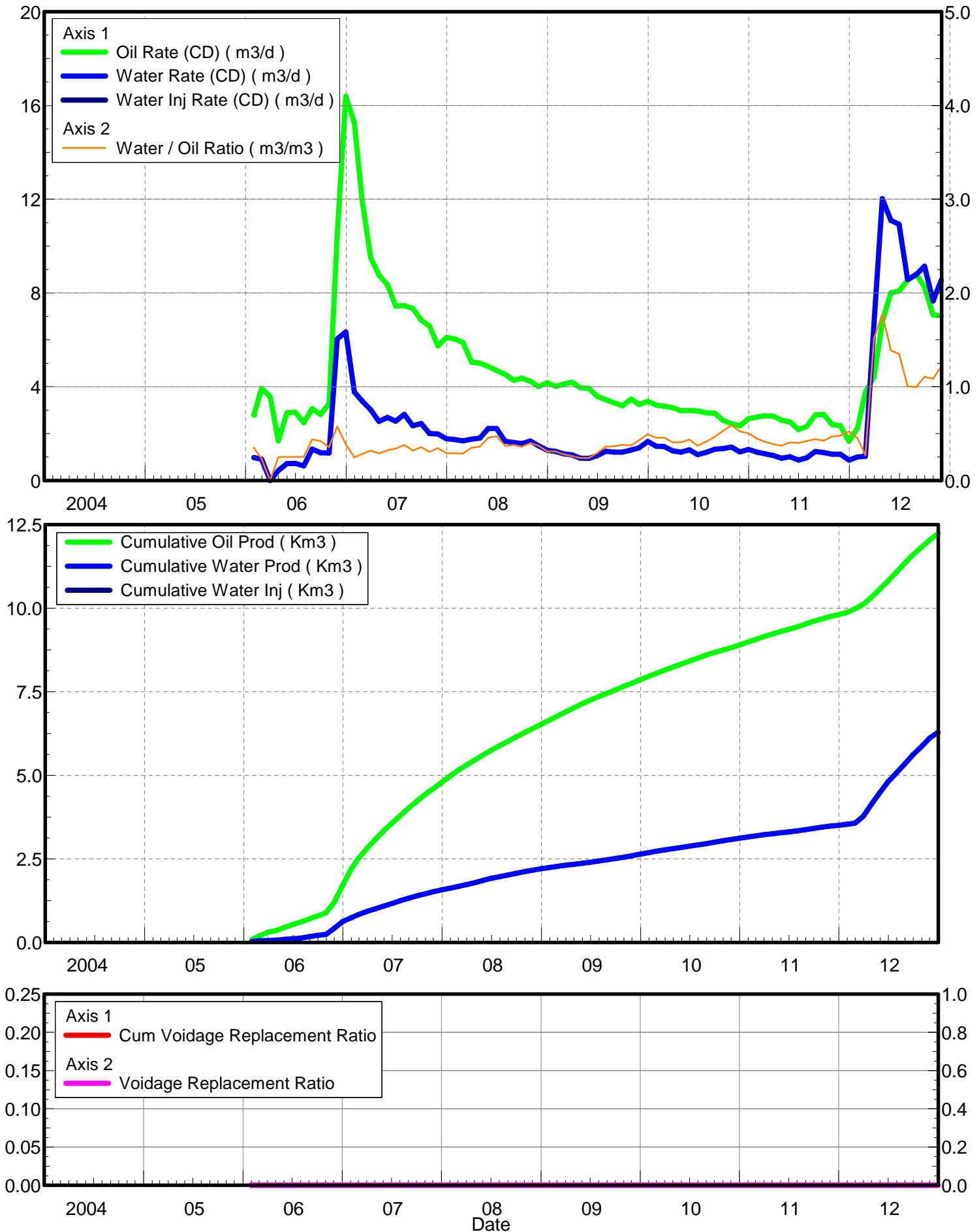
March 07, 2013

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 6.81 m3/d

Water Rate (CD) : 5.53 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
1/31/2006	2.80	0.97	0.35		0.09	0.03	0.00	0.000	0.000
2/28/2006	3.93	0.91	0.23		0.20	0.06	0.00	0.000	0.000
3/31/2006	3.57	0.00	0.00		0.31	0.06	0.00	0.000	0.000
4/30/2006	1.69	0.42	0.25		0.36	0.07	0.00	0.000	0.000
5/31/2006	2.89	0.72	0.25		0.45	0.09	0.00	0.000	0.000
6/30/2006	2.92	0.73	0.25		0.54	0.11	0.00	0.000	0.000
7/31/2006	2.46	0.62	0.25		0.61	0.13	0.00	0.000	0.000
8/31/2006	3.06	1.34	0.44		0.71	0.17	0.00	0.000	0.000
9/30/2006	2.81	1.18	0.42		0.79	0.21	0.00	0.000	0.000
10/31/2006	3.28	1.17	0.36		0.89	0.24	0.00	0.000	0.000
11/30/2006	10.47	6.04	0.58		1.21	0.43	0.00	0.000	0.000
12/31/2006	16.39	6.33	0.39		1.71	0.62	0.00	0.000	0.000
1/31/2007	15.26	3.78	0.25		2.19	0.74	0.00	0.000	0.000
2/28/2007	11.98	3.39	0.28		2.52	0.83	0.00	0.000	0.000
3/31/2007	9.52	3.02	0.32		2.82	0.93	0.00	0.000	0.000
4/30/2007	8.76	2.52	0.29		3.08	1.00	0.00	0.000	0.000
5/31/2007	8.34	2.68	0.32		3.34	1.09	0.00	0.000	0.000
6/30/2007	7.44	2.53	0.34		3.56	1.16	0.00	0.000	0.000
7/31/2007	7.46	2.82	0.38		3.79	1.25	0.00	0.000	0.000
8/31/2007	7.34	2.33	0.32		4.02	1.32	0.00	0.000	0.000
9/30/2007	6.85	2.43	0.36		4.23	1.40	0.00	0.000	0.000
10/31/2007	6.59	2.00	0.30		4.43	1.46	0.00	0.000	0.000
11/30/2007	5.75	1.98	0.34		4.60	1.52	0.00	0.000	0.000
12/31/2007	6.10	1.78	0.29		4.79	1.57	0.00	0.000	0.000
1/31/2008	6.03	1.75	0.29		4.98	1.63	0.00	0.000	0.000
2/29/2008	5.89	1.69	0.29		5.15	1.68	0.00	0.000	0.000
3/31/2008	5.05	1.76	0.35		5.31	1.73	0.00	0.000	0.000
4/30/2008	5.01	1.81	0.36		5.46	1.78	0.00	0.000	0.000
5/31/2008	4.86	2.22	0.46		5.61	1.85	0.00	0.000	0.000
6/30/2008	4.70	2.22	0.47		5.75	1.92	0.00	0.000	0.000
7/31/2008	4.53	1.67	0.37		5.89	1.97	0.00	0.000	0.000
8/31/2008	4.28	1.62	0.38		6.02	2.02	0.00	0.000	0.000
9/30/2008	4.36	1.57	0.36		6.15	2.07	0.00	0.000	0.000
10/31/2008	4.23	1.68	0.40		6.28	2.12	0.00	0.000	0.000
11/30/2008	4.00	1.48	0.37		6.40	2.16	0.00	0.000	0.000
12/31/2008	4.17	1.29	0.31		6.53	2.20	0.00	0.000	0.000
1/31/2009	4.02	1.24	0.31		6.66	2.24	0.00	0.000	0.000
2/28/2009	4.11	1.14	0.28		6.77	2.28	0.00	0.000	0.000
3/31/2009	4.19	1.09	0.26		6.90	2.31	0.00	0.000	0.000
4/30/2009	3.95	0.95	0.24		7.02	2.34	0.00	0.000	0.000
5/31/2009	3.93	0.94	0.24		7.14	2.37	0.00	0.000	0.000
6/30/2009	3.59	1.05	0.29		7.25	2.40	0.00	0.000	0.000
7/31/2009	3.45	1.24	0.36		7.36	2.44	0.00	0.000	0.000
8/31/2009	3.31	1.20	0.36		7.46	2.47	0.00	0.000	0.000
9/30/2009	3.19	1.21	0.38		7.56	2.51	0.00	0.000	0.000
10/31/2009	3.47	1.30	0.37		7.66	2.55	0.00	0.000	0.000
11/30/2009	3.24	1.39	0.43		7.76	2.59	0.00	0.000	0.000
12/31/2009	3.37	1.66	0.49		7.86	2.64	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
1/31/2010	3.22	1.46	0.45		7.96	2.69	0.00	0.000	0.000
2/28/2010	3.17	1.45	0.46		8.05	2.73	0.00	0.000	0.000
3/31/2010	3.11	1.26	0.41		8.15	2.77	0.00	0.000	0.000
4/30/2010	2.97	1.21	0.41		8.24	2.81	0.00	0.000	0.000
5/31/2010	2.99	1.30	0.44		8.33	2.85	0.00	0.000	0.000
6/30/2010	2.96	1.10	0.37		8.42	2.88	0.00	0.000	0.000
7/31/2010	2.89	1.20	0.42		8.51	2.92	0.00	0.000	0.000
8/31/2010	2.87	1.33	0.47		8.60	2.96	0.00	0.000	0.000
9/30/2010	2.56	1.36	0.53		8.68	3.00	0.00	0.000	0.000
10/31/2010	2.42	1.42	0.59		8.75	3.04	0.00	0.000	0.000
11/30/2010	2.33	1.22	0.52		8.82	3.08	0.00	0.000	0.000
12/31/2010	2.63	1.32	0.50		8.90	3.12	0.00	0.000	0.000
1/31/2011	2.70	1.21	0.45		8.99	3.16	0.00	0.000	0.000
2/28/2011	2.76	1.14	0.41		9.06	3.19	0.00	0.000	0.000
3/31/2011	2.74	1.06	0.39		9.15	3.22	0.00	0.000	0.000
4/30/2011	2.57	0.95	0.37		9.23	3.25	0.00	0.000	0.000
5/31/2011	2.50	1.01	0.40		9.30	3.28	0.00	0.000	0.000
6/30/2011	2.17	0.87	0.40		9.37	3.31	0.00	0.000	0.000
7/31/2011	2.30	0.97	0.42		9.44	3.34	0.00	0.000	0.000
8/31/2011	2.80	1.23	0.44		9.53	3.38	0.00	0.000	0.000
9/30/2011	2.81	1.20	0.43		9.61	3.41	0.00	0.000	0.000
10/31/2011	2.38	1.12	0.47		9.68	3.45	0.00	0.000	0.000
11/30/2011	2.33	1.12	0.48		9.75	3.48	0.00	0.000	0.000
12/31/2011	1.67	0.87	0.52		9.81	3.51	0.00	0.000	0.000
1/31/2012	2.22	1.00	0.45		9.87	3.54	0.00	0.000	0.000
2/29/2012	3.77	1.03	0.27		9.98	3.57	0.00	0.000	0.000
3/31/2012	4.42	6.68	1.51		10.12	3.78	0.00	0.000	0.000
4/30/2012	6.77	12.02	1.78		10.32	4.14	0.00	0.000	0.000
5/31/2012	8.01	11.09	1.39		10.57	4.48	0.00	0.000	0.000
6/30/2012	8.09	10.94	1.35		10.82	4.81	0.00	0.000	0.000
7/31/2012	8.55	8.58	1.00		11.08	5.07	0.00	0.000	0.000
8/31/2012	8.81	8.77	1.00		11.35	5.35	0.00	0.000	0.000
9/30/2012	8.26	9.14	1.11		11.60	5.62	0.00	0.000	0.000
10/31/2012	7.06	7.66	1.08		11.82	5.86	0.00	0.000	0.000
11/30/2012	7.03	8.55	1.22		12.03	6.11	0.00	0.000	0.000
12/31/2012	6.81	5.53	0.81		12.24	6.29	0.00	0.000	0.000