

**SINCLAIR UNIT NO. 3**  
**WATERFLOOD EOR PROJECT**  
**ANNUAL REPORT FOR 2013**

**March 31, 2014**

**Tundra Oil and Gas Partnership**

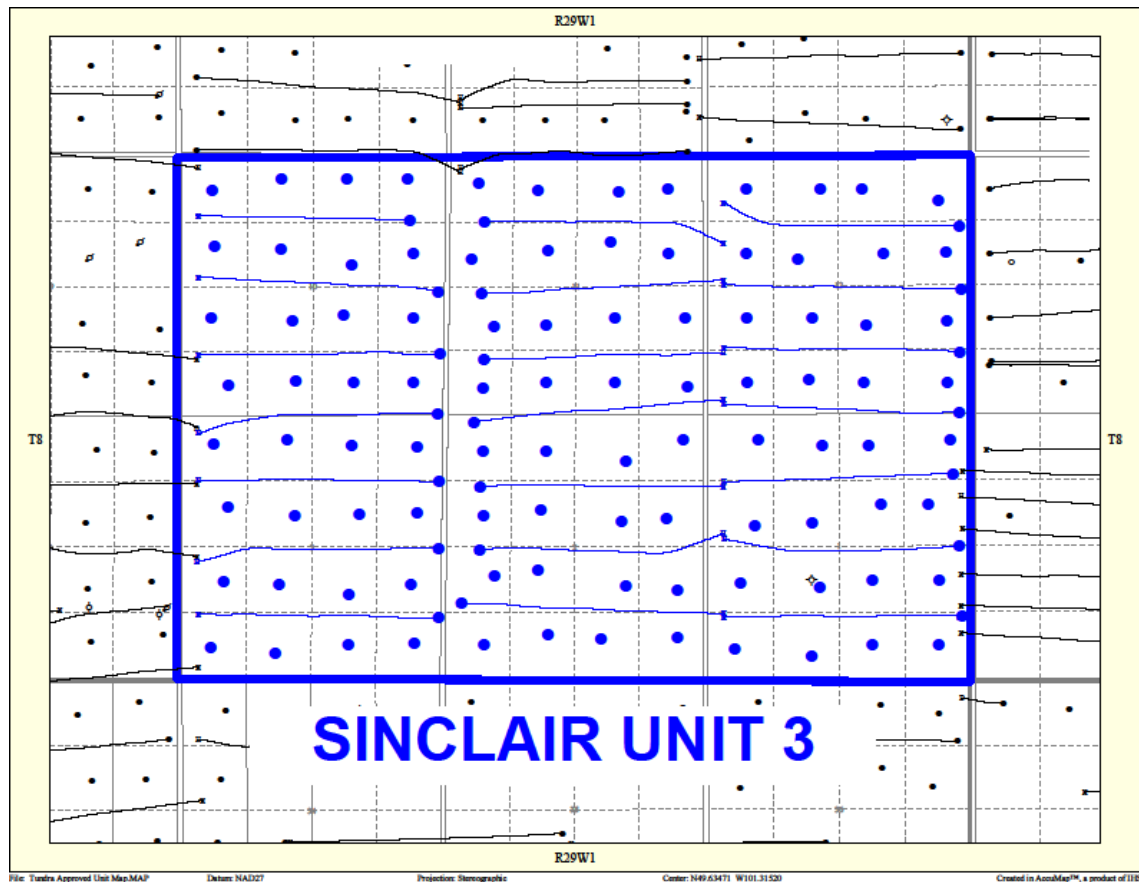
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## **INTRODUCTION**

Sinclair Unit No. 3 Enhanced Oil Recovery (EOR) Waterflood Project was approved under Waterflood Order No 18 effective November 1, 2009 with Tundra Oil and Gas (Tundra) as Operator. The EOR project area contains 98 producing wells and 19 horizontal injectors in 6 sections in Township 8, Range 29 W1 as shown in the figure below.

**Figure 1: Sinclair Unit No. 3 Area Outline**



In accordance with Section 73 of the Manitoba Drilling and Production Regulation, Tundra hereby submits the 2013 Annual Progress Report for Sinclair Unit No. 3 as required by Waterflood Order No 18.

## **DISCUSSION**

### **Production History**

For the wells included in Sinclair Unit No. 3, production started in November 2004 with the 00/09-10-008-29W1 and 00/16-10-008-29W1 wells. Oil production peaked at 4.9 m<sup>3</sup>/d in September of 2006. This production was coming from 96 wells and totaled 468 m<sup>3</sup>/d for the whole Unit. Water injection began in July 2010. Water injection rates were 394 m<sup>3</sup>/d in December 2013 through 19 wells and the Unit was producing 163 m<sup>3</sup>/d of oil and 92 m<sup>3</sup>/d of water. The rates and WOR are plotted in Figure 2.

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

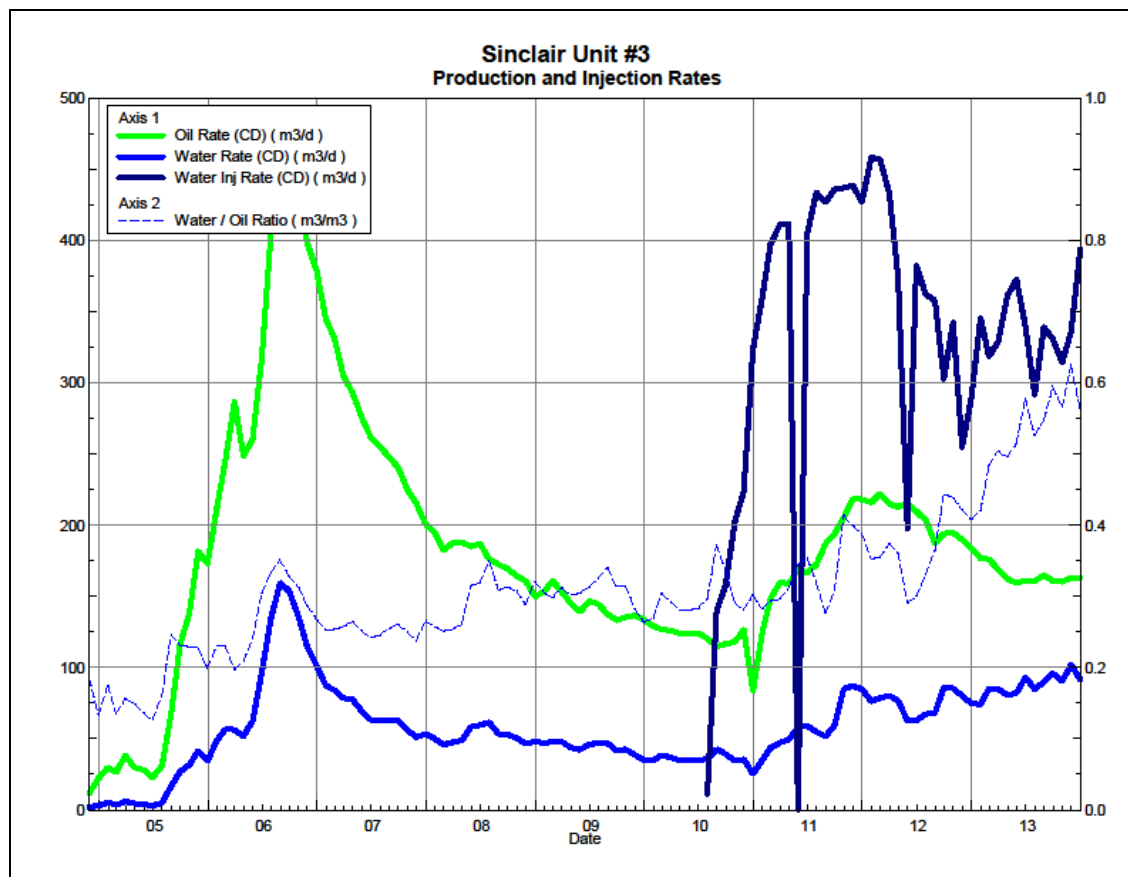
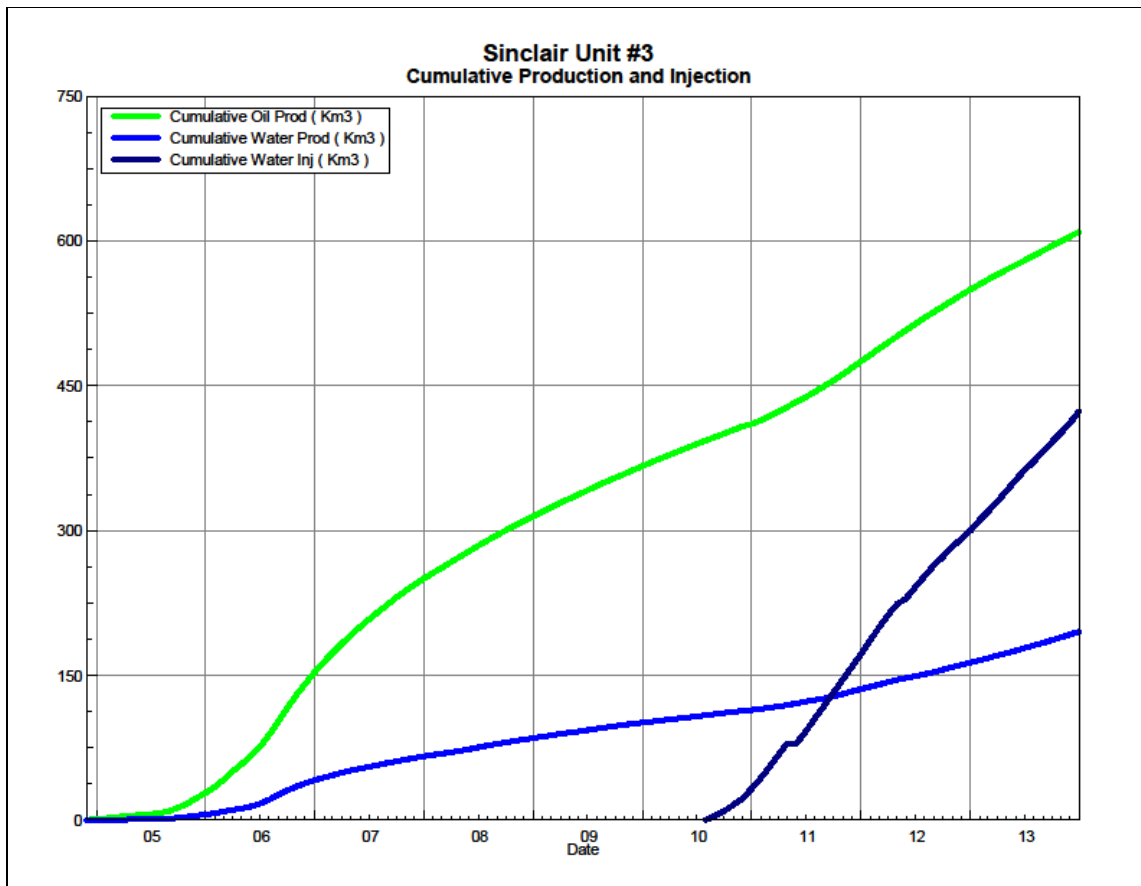


Figure 3 shows the cumulative production for Sinclair Unit No. 3 to the end of December 2013 as 610 E<sup>3</sup>m<sup>3</sup> of oil and 195 E<sup>3</sup>m<sup>3</sup> of water, representing a 12.5% recovery factor of the OOIP. The cumulative water injected is 424 E<sup>3</sup>m<sup>3</sup>.

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



## **Waterflood Development Plan**

### **Sinclair Unit No. 3 Waterflood (WF) Development Plan**

Sinclair Unit No. 3 is still in the early stages of water injection, with injection beginning in July 2010. As of December 2013, the Unit has 19 active horizontal injectors. In April 2013, the 02/16-10-008-29W1 well was converted to an injector. It is currently anticipated that the two remaining proposed injectors, 02/13-11 and 02/09-12, will be converted to injectors prior to the end of 2014. All injection wells are fracture stimulated to improve the injection rates.

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

## **Waterflood EOR Operating Strategy and Performance**

### **Water Source and Quality**

The injection water for Sinclair Unit No. 3 is sourced from the 16-32-007-29W1 well (Lodgepole formation). The water is treated at the 03-04-008-29W1 battery where it is filtered to 0.5 microns and has scale inhibitor added. The injection water is then distributed to the injectors through the dedicated infrastructure system.

### **Injection Wellhead Pressures**

The monthly wellhead injection pressure, for each injector well, is summarized in Appendix B. Since injection in this Unit is still in the early stages, many of the injectors are still building up to a target injection pressure of 6300 kPaa.

### **Reservoir Pressure**

Where possible, Tundra is committed to collecting pressures from every new injection well drilled. Currently, for Unit 3 the pressure data from 18 locations is available. Appendix A summarizes these results. The pressures were corrected to a common datum of -450 m SS for comparison. The table shows quite a range in pressure, from a low of 2100 kPaa to a high of 4900 kPaa. These values appear reasonable given their location in the pool and the corresponding production voidage in the surrounding area.

### **Well Servicing**

The following table summarizes the well servicing performed within Sinclair Unit No. 3 during 2013:

**Table 1: Sinclair Unit No. 3 Well Servicing**

00/06-10-008-29W1/0	Polish Rod Repair / Pump Change	1/14/2013
00/15-12-008-29W1/0	Pump Change	1/16/2013
00/07-12-008-29W1/0	Tubing Repair	1/30/2013
00/12-03-008-29W1/0	Polish Rod Repair / Pump Change	2/11/2013
00/08-11-008-29W1/0	Pump Change	3/16/2013
00/13-12-008-29W1/0	Pump Change	3/22/2013
00/13-01-008-29W1/0	Pump Change	4/2/2013
00/16-01-008-29W1/0	Pump Change	4/4/2013
00/08-01-008-29W1/0	Polish Rod Repair / Pump Change	5/15/2013
00/03-11-008-29W1/0	Hot Oil & Pump Change	5/16/2013
00/08-12-008-29W1/0	Pump Change	5/17/2013
00/07-02-008-29W1/0	Pump Change	5/29/2013
00/12-01-008-29W1/0	Scale Squeeze	6/5/2013
00/06-10-008-29W1/0	Pump Change	6/17/2013

**Table 1: Sinclair Unit No. 3 Well Servicing (Cont'd)**

00/16-01-008-29W1/0	HCR Acid Job	7/17/2013
02/09-12-008-29W1/0	Pump Change	7/19/2013
02/13-11-008-29W1/0	Pump Change	7/23/2013
02/01-01-008-29W1/0	Packer Repair	7/29/2013
00/07-12-008-29W1/0	Tubing Repair	8/19/2013
00/01-11-008-29W1/0	Pump Change	9/16/2013
00/02-03-008-29W1/0	Pump Change	9/26/2013
00/05-03-008-29W1/0	Pump Change	9/30/2013
00/01-12-008-29W1/0	HCR Acid Job	10/1/2013
00/07-01-008-29W1/0	Pump Change	10/1/2013
00/04-03-008-29W1/0	Pump Change & Acid Job	10/8/2013
00/03-10-008-29W1/0	Pump Change	10/9/2013
00/01-12-008-29W1/0	Pump Change	10/18/2013
00/05-01-008-29W1/0	Pump Change	10/28/2013
00/07-12-008-29W1/0	Tubing Repair	11/5/2013
02/04-11-008-29W1/0	Packer Repair	12/13/2013

**Voidage Replacement**

Water is being injected to re-pressurize the reservoir due to cumulative primary production voidage and corresponding pressure depletion. During the initial fill-up period, the instantaneous voidage replacement ratio (VRR) averages approximately 1.25 to 2.0 by individual patterns. The injector pattern VRRs will be discussed in the waterflood performance section of the report.

**Waterflood Performance Discussion**

At the end of 2013, Sinclair Unit No. 3 waterflood area had 21 injector patterns in place. However, only 19 of these patterns are on active water injection and the remaining 2 patterns should be on injection prior to the end of 2014. Water injection started in July 2010 at the 02/01-03, 03/01-10 and 02/08-10 injectors. From August 2010 to January 2011, 15 additional wells were converted to injectors. All 21 injection patterns are set up with a single horizontal injection well supporting production from four vertical wells to the north and four vertical wells to the south.

An overall summary for each injector pattern is presented in Appendix C. Plots and tables of the production and injection data along with the VRR information are presented in Appendix D for each of the injector patterns.

## List of Appendices

Appendix A: Sinclair Unit No. 3 Reservoir Pressure Summary Table

Appendix B: Monthly Injection Wellhead Pressures Table and Plots

Appendix C: Sinclair Unit No. 3 Injection Pattern Summary

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

02/01-01-008-29W1  
02/09-01-008-29W1  
02/16-01-008-29W1  
02/05-02-008-29W1  
03/05-02-008-29W1  
02/12-02-008-29W1  
02/13-02-008-29W1  
02/01-03-008-29W1  
02/08-03-008-29W1  
02/16-03-008-29W1  
02/01-10-008-29W1  
03/01-10-008-29W1  
02/08-10-008-29W1  
02/16-10-008-29W1  
02/04-11-008-29W1  
02/05-11-008-29W1  
02/13-11-008-29W1  
02/01-12-008-29W1  
03/01-12-008-29W1  
02/08-12-008-29W1  
02/09-12-008-29W1



# Appendix A

## Sinclair Unit #3 - Pressure Summary

Sinclair Horizontal Well Pressures

-450 m SS (datum depth)  
8.25 kPa/m (pressure gradient)  
93 kPa added to gauge pressure

Location	KB m	Open Hole	mKB		mTVD	MPP mKB	MPP mTVD	MPP mSS	Last Stable P	Pres @ MPP (kPaa)	Corrected to Datum	Start Date	End Date	Shut-in (days)	Last Temp °C
102/01-01-008-29W1/00	510.15	1065.0	1732.5	957.5	966.0	1398.8	961.7	-451.59	3954	4113	4100	3-Dec-10	18-Dec-10	15	30.8
102/09-01-008-29W1/00	505.33	1051.0	2353.0	948.9	947.3	1702.0	948.1	-442.76	2299	2430	2489	6-Jul-10	6-Aug-10	31	31.1
102/16-01-008-29W1/00														0	
102/05-02-008-29W1/00	505.07	1064.0	2427.0	950.0	956.13	1745.5	953.1	-448.00	1857	2107	2124	13-Jul-10	7-Aug-10	25	30.9
103/05-02-008-29W1/00															
102/12-02-008-29W1/00														0	
102/13-02-008-29W1/00	503.82	980.0	2430.0	943.1	951.8	1740.5	947.4	-443.62	3368	3621	3674	4-Mar-10	8-Jun-10	96	30.4
102/01-03-008-29W1/00	525.98	1086.0	2406.0	982.0	978.75	1746.0	980.4	-454.40	2772	2901	2865	8-Jun-10	23-Jun-10	15	30.7
102/08-03-008-29W1/00	525.00	1077.5	2428.0	977.6	974.91	1752.8	976.3	-451.26	1017	2556	2546	28-Jun-10	9-Jul-10	11	28.8
102/16-03-008-29W1/00	525.36	1078.0	2397.0	974.4	980.0	1737.5	977.2	-451.85	2530	2780	2765	11-Mar-10	29-Jun-10	110	30.5
102/01-10-008-29W1/00	528.28	1090.5	2408.0	975.2	972.48	1749.3	973.8	-445.55	2878	2619	2655	5-Jul-10	10-Jul-10	5	31.4
103/01-10-008-29W1/00	525.17	1073.0	2402.0	972.1	970.55	1737.5	971.3	-446.13	2482	3046	3078	30-Jun-10	6-Jul-10	6	31.2
102/08-10-008-29W1/00	528.49	1080.0	2399.0	972.8	968.26	1739.5	970.5	-442.05	2382	2569	2634	31-May-10	25-Jun-10	25	30.6
102/16-10-008-29W1/00	527.99	1093.5	2218.0	972.2	970.0	1503.0	971.1	-443.08	3077	3220	3277	25-Jul-11	30-Jul-11	5	31.3
102/04-11-008-29W1/00														0	
102/05-11-008-29W1/00	509.12	1047.0	2380.0	944.9	951.19	1713.5	948.0	-438.91	4545	4756	4847	15-Jun-10	28-Jul-10	43	30.6
102/13-11-008-29W1/00	511.01	1063.5	2380.0	947.1	951.49	1721.8	949.3	-438.29	2476	2623	2720	26-Aug-11	5-Sep-11	10	30.2
102/01-12-008-29W1/00	503.78	1037.5	2329.0	943.4	935.64	1683.3	939.5	-435.75	2976	3131	3249	10-Mar-10	7-Jun-10	89	30.6
103/01-12-008-29W1/00	505.97	1051.0	2342.0	943.8	937.36	1696.5	940.6	-434.60	4895	4777	4904	15-Jun-10	25-Jul-10	40	30.5
102/08-12-008-29W1/00	508.93	1051.0	2350.0	945.1	935.0	1700.5	940.0	-431.11	4453	4617	4773	24-Jun-10	24-Jul-10	30	30.2
102/09-12-008-29W1/00	510.02	1064.5	2367.0	943.8	936.16	1715.8	940.0	-430.0	2751	2865	3030	2-Sep-11	12-Sep-11	10	31.2

	Cemented liner - no pressure available														
AVERAGE	515.3	1061.9	2338.1	958.5	957.8	1693.1	958.1	-442.9		3219	3278			28.3	30.6

## Appendix B

### Average Monthly Injection Pressure (kPag)

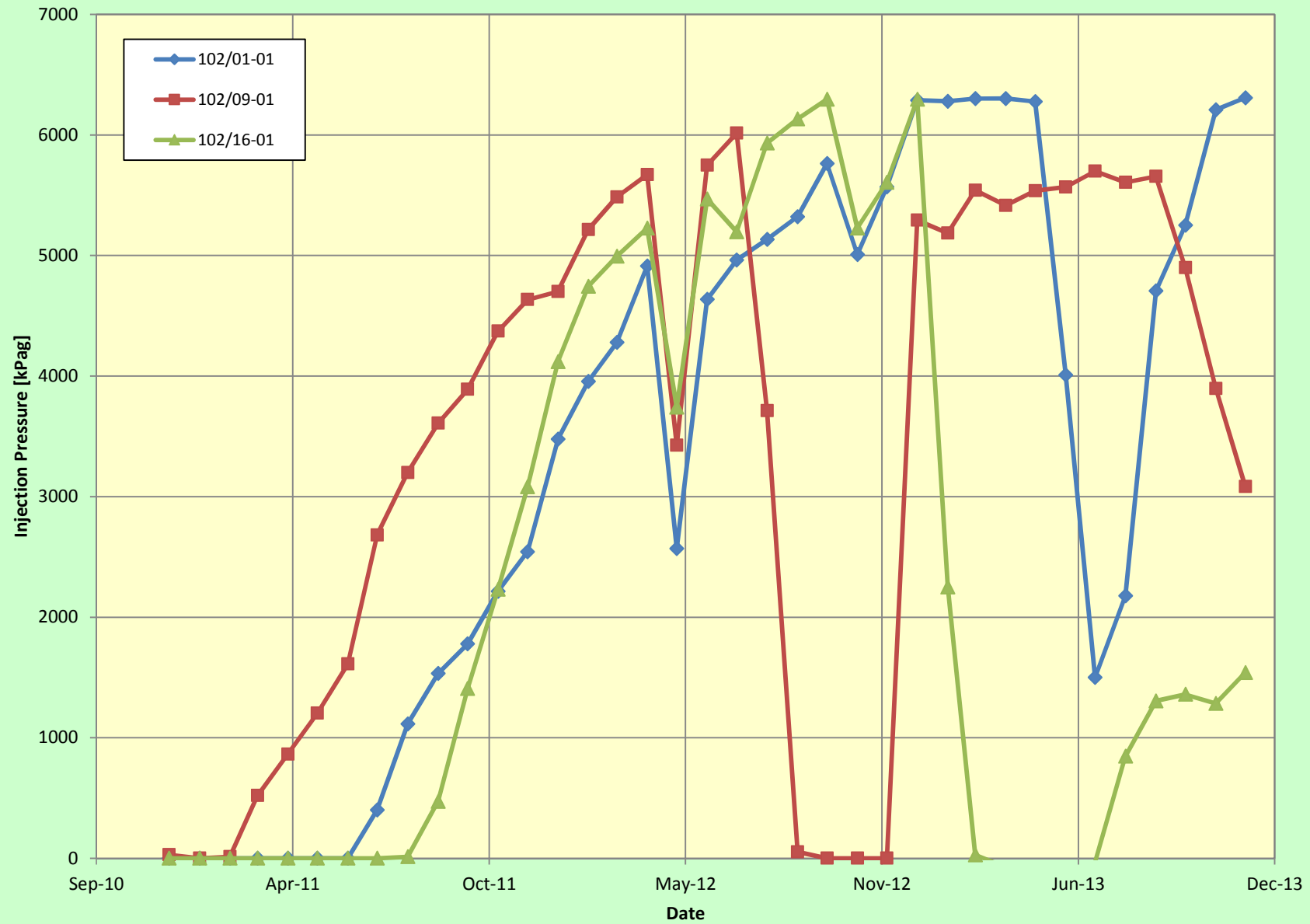
Month	Injection Pressure									
	Section 01			Section 02				Section 03		
	102/01-01	102/09-01	102/16-01	102/05-02	103/05-02	102/12-02	102/13-02	102/01-03	102/08-03	102/16-03
Jul-10	-	-	-	-	-	-	-	0	-	-
Aug-10	-	-	-	-	-	-	0	0	0	0
Sep-10	-	-	-	-	-	-	85	0	0	0
Oct-10	-	0	-	7	-	-	976	0	0	0
Nov-10	-	0	-	0	-	-	1712	0	0	0
Dec-10	-	29	0	213	-	0	3111	810	0	0
Jan-11	0	0	0	0	0	0	4226	1703	35	0
Feb-11	0	13	0	0	0	0	4823	2307	625	225
Mar-11	0	520	0	0	0	0	4826	2811	1156	785
Apr-11	0	863	0	0	0	0	4913	3387	1630	1237
May-11	0	1203	0	0	0	0	4642	3803	2082	1782
Jun-11	0	1611	0	0	0	0	4908	4147	2391	2170
Jul-11	402	2682	0	37	555	477	5461	4629	3181	2600
Aug-11	1116	3200	13	42	1292	1442	5497	4995	3898	2981
Sep-11	1534	3609	471	59	1763	2289	6024	5225	4278	3260
Oct-11	1779	3890	1408	470	1925	2568	6158	5201	4484	3622
Nov-11	2215	4372	2232	1129	2424	3441	6286	4926	4886	4194
Dec-11	2544	4634	3082	1504	2171	4318	6162	4409	5054	4327
Jan-12	3477	4701	4120	2445	3414	4969	6291	5277	5360	4784
Feb-12	3956	5215	4745	3124	3994	5004	6288	5490	5707	5187
Mar-12	4280	5485	4995	3544	4427	4989	6293	5511	5935	5421
Apr-12	4913	5671	5228	4072	3011	5042	6289	5569	6076	5457
May-12	2570	3426	3742	758	557	4013	5284	4209	3929	3495
Jun-12	4636	5750	5469	1103	0	5504	6299	6116	5580	5371
Jul-12	4963	6016	5196	1899	0	5487	6283	6284	5826	5817
Aug-12	5135	3713	5933	3400	0	6060	6262	6305	6225	5933
Sep-12	5323	53	6134	3976	0	6094	6202	6170	6103	5821
Oct-12	5763	0	6296	5084	354	6294	6289	6261	6285	6259
Nov-12	5009	0	5228	4877	695	5086	5780	5643	5585	5551
Dec-12	5570	0	5607	3641	1770	5297	5952	5838	5809	5730
Jan-13	6288	5294	6296	-84	2974	6287	5992	6277	6293	6306
Feb-13	6280	5186	2249	-84	3585	6106	6283	6264	6274	6282
Mar-13	6302	5542	28	352	4568	6278	6219	6300	6284	6304
Apr-13	6302	5415	-73	3393	4993	6298	6287	6320	6305	6304
May-13	6278	5536	-74	4856	5565	6302	6299	6283	6302	6303
Jun-13	4011	5567	-69	5799	5827	4208	6308	6284	6294	6290
Jul-13	1500	5700	-35	4906	6062	-13	6291	6280	6294	6289
Aug-13	2178	5608	847	6265	6257	610	6300	3397	6206	6261
Sep-13	4708	5657	1306	5224	6186	2314	6153	1655	4115	6272
Oct-13	5252	4899	1360	4359	6071	2982	3329	2093	1330	6001
Nov-13	6210	3897	1285	5835	6291	3839	899	2526	1947	6302
Dec-13	6310	3084	1541	6020	6285	5044	3339	3191	3055	6304

## Appendix B

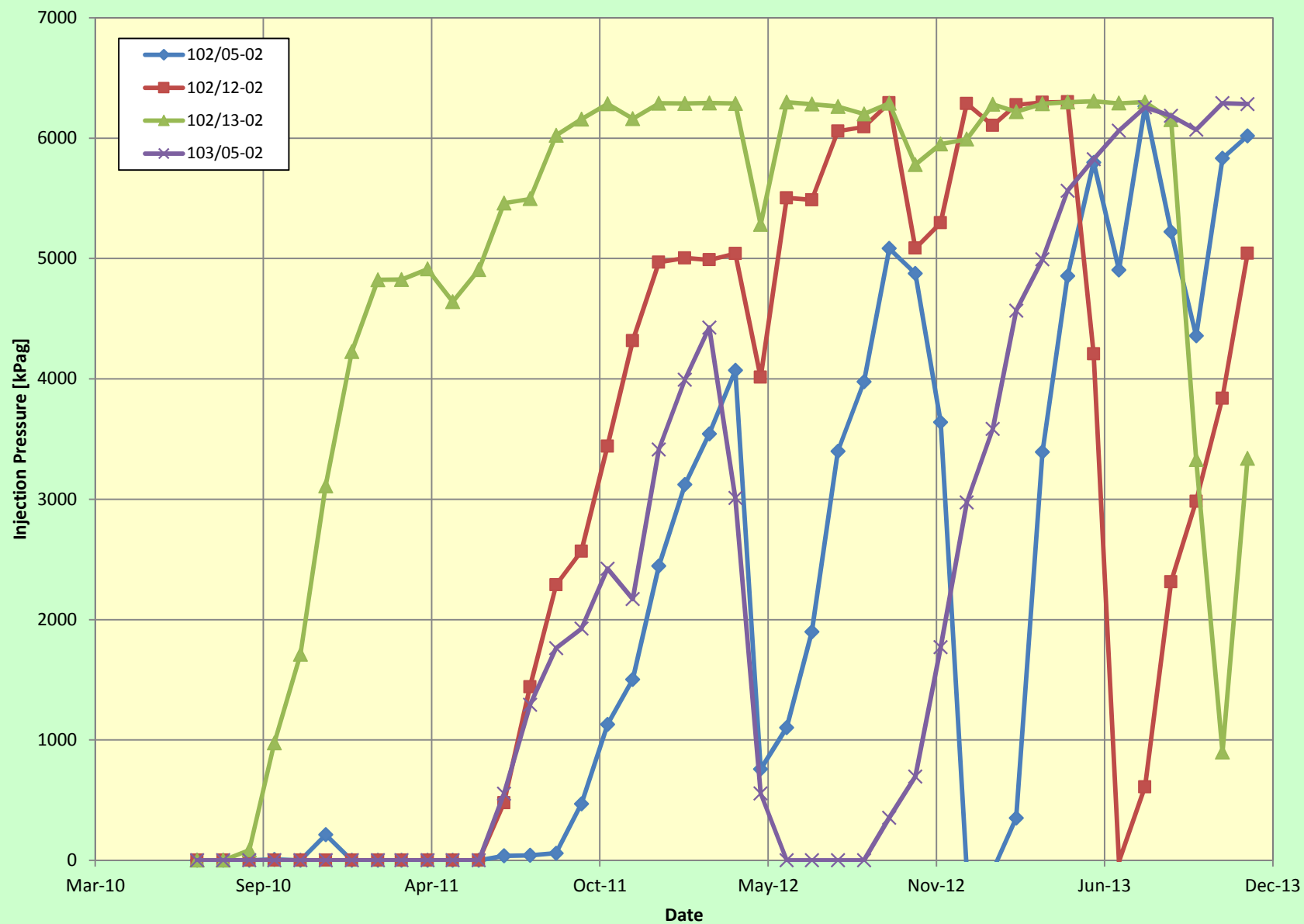
### Average Monthly Injection Pressure (kPag)

Month	Injection Pressure								
	Section 10				Section 11		Section 12		
	102/01-10	103/01-10	102/08-10	102/16-10	102/04-11	102/05-11	102/01-12	103/01-12	102/08-12
Jul-10	-	0	0	-	-	-	-	-	-
Aug-10	0	0	0	-	-	-	0	-	-
Sep-10	0	0	0	-	-	-	0	-	-
Oct-10	0	0	0	-	-	0	0	0	0
Nov-10	41	0	0	-	-	57	240	0	0
Dec-10	1099	0	0	-	0	119	1419	94	361
Jan-11	2288	435	37	-	45	661	2392	700	1122
Feb-11	3127	1134	533	-	1104	1996	3250	1305	1423
Mar-11	3695	1713	867	-	2226	3185	3740	2465	2544
Apr-11	4028	2242	1281	-	3060	3807	3925	3130	3045
May-11	4255	2569	1800	-	3561	4255	4190	3765	3503
Jun-11	4474	2910	2192	-	3805	4610	4487	4253	3773
Jul-11	4979	3505	2551	-	4339	4761	4523	4608	4190
Aug-11	5368	4095	2753	-	4648	4889	4900	4744	4427
Sep-11	5678	4228	3002	-	4846	4946	4994	4880	4592
Oct-11	5749	4520	3257	-	5169	5216	5196	4608	4904
Nov-11	6091	5043	3884	-	4993	5399	5463	5019	4956
Dec-11	6260	5103	4242	-	5064	5480	5513	5176	4989
Jan-12	6255	5525	4680	-	5439	5649	5745	5468	5344
Feb-12	6297	5865	4884	-	5009	5858	5668	5495	5483
Mar-12	6302	6141	4967	-	5443	6031	5408	5501	5478
Apr-12	6209	6190	5355	-	5626	6076	5761	5494	5499
May-12	4777	4098	3323	-	4897	5067	4490	4325	4166
Jun-12	6254	6289	5318	-	6308	6186	5965	5490	5494
Jul-12	6237	6152	5449	-	6304	6275	6144	5494	5490
Aug-12	6215	6260	5434	-	6227	6277	6259	5781	5760
Sep-12	6161	6142	5273	-	6126	6102	6160	6008	5584
Oct-12	6264	6301	5879	-	6300	6298	6294	6181	6250
Nov-12	5529	4215	4749	-	5449	5618	5614	5493	5355
Dec-12	5878	5302	5494	-	5792	5843	5484	5825	5774
Jan-13	6292	6298	6250	-	3875	6603	6287	6290	6286
Feb-13	6268	6076	6260	-	3908	6238	6279	6380	6187
Mar-13	6295	6308	6292	0	3713	6300	6269	6297	6297
Apr-13	6341	6305	6148	-61	4124	6283	6295	6298	6290
May-13	6297	6302	6315	-94	4185	6295	6296	6298	6299
Jun-13	6303	6297	6334	-91	4094	6294	6297	6289	6281
Jul-13	6300	6321	6333	-86	4194	6295	6302	6292	6281
Aug-13	6295	2289	6317	-75	1964	6304	6314	6123	6289
Sep-13	6199	2880	6266	1	3225	6280	5359	6272	6262
Oct-13	5900	3208	5943	434	3695	5844	2390	5875	5789
Nov-13	4049	3737	6279	880	3897	6299	181	6313	6295
Dec-13	2649	4662	6250	2144	3754	6059	688	6236	6238

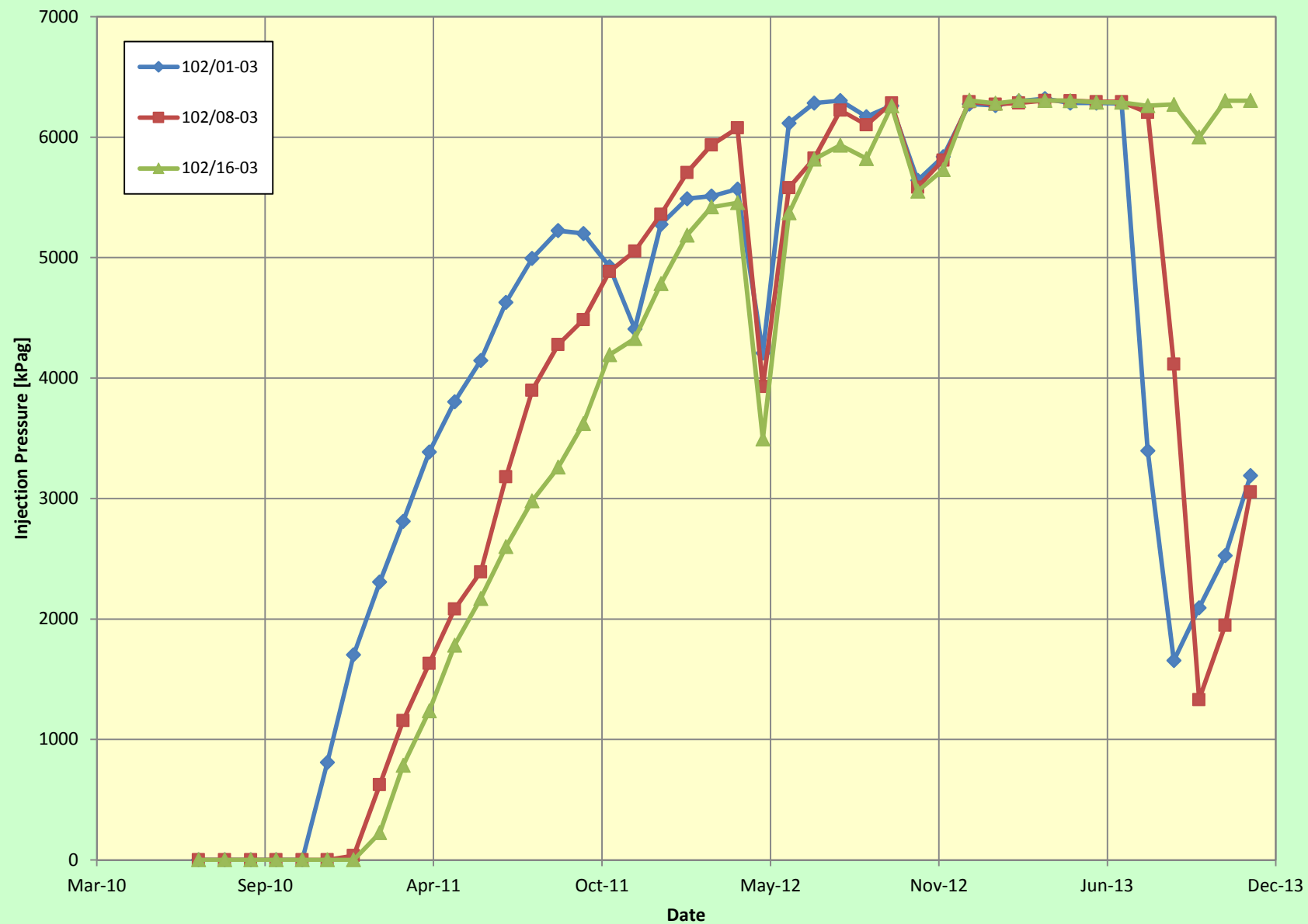
## Section 1 Injection Pressures vs Time



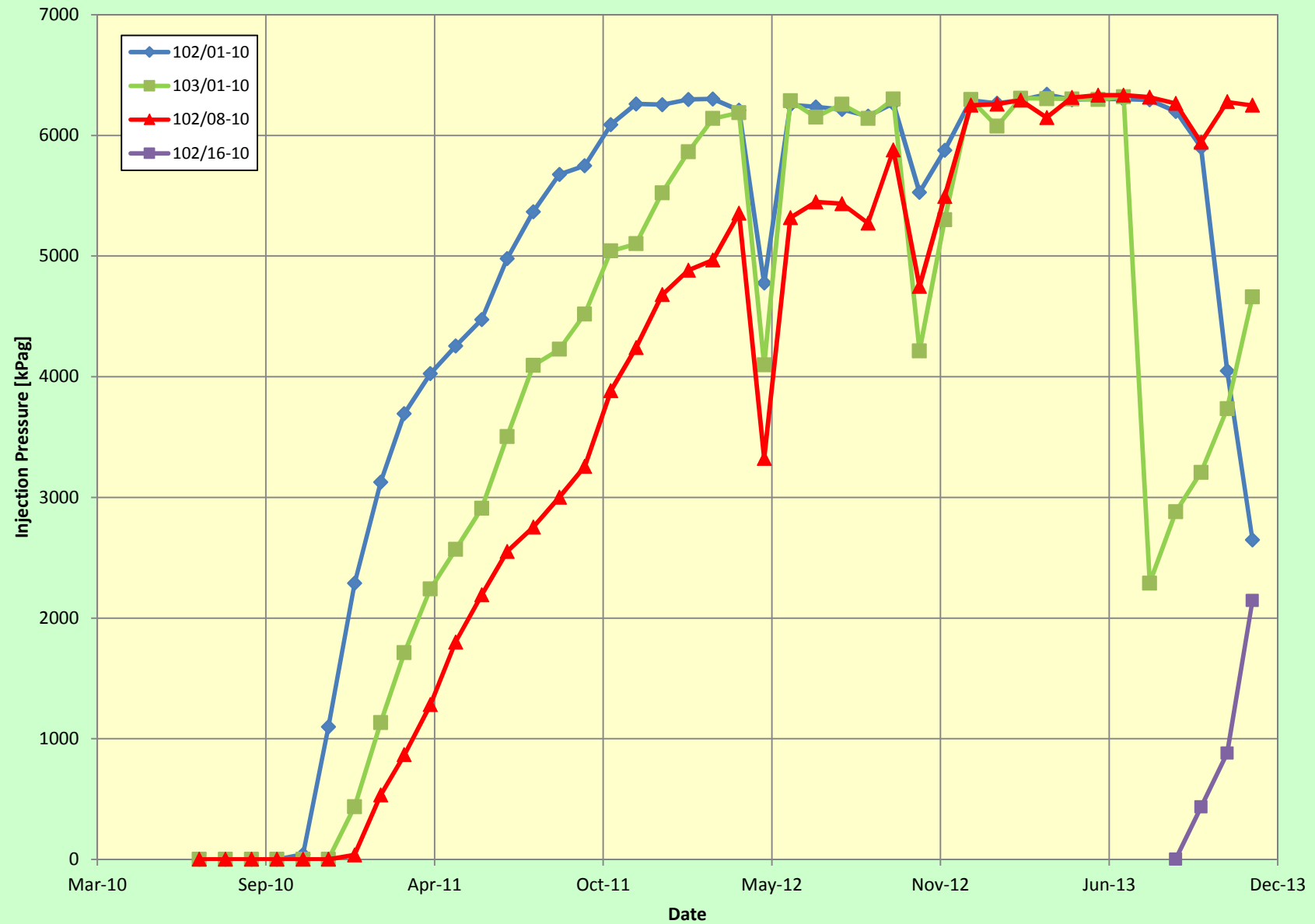
## Section 2 Injection Pressures vs Time



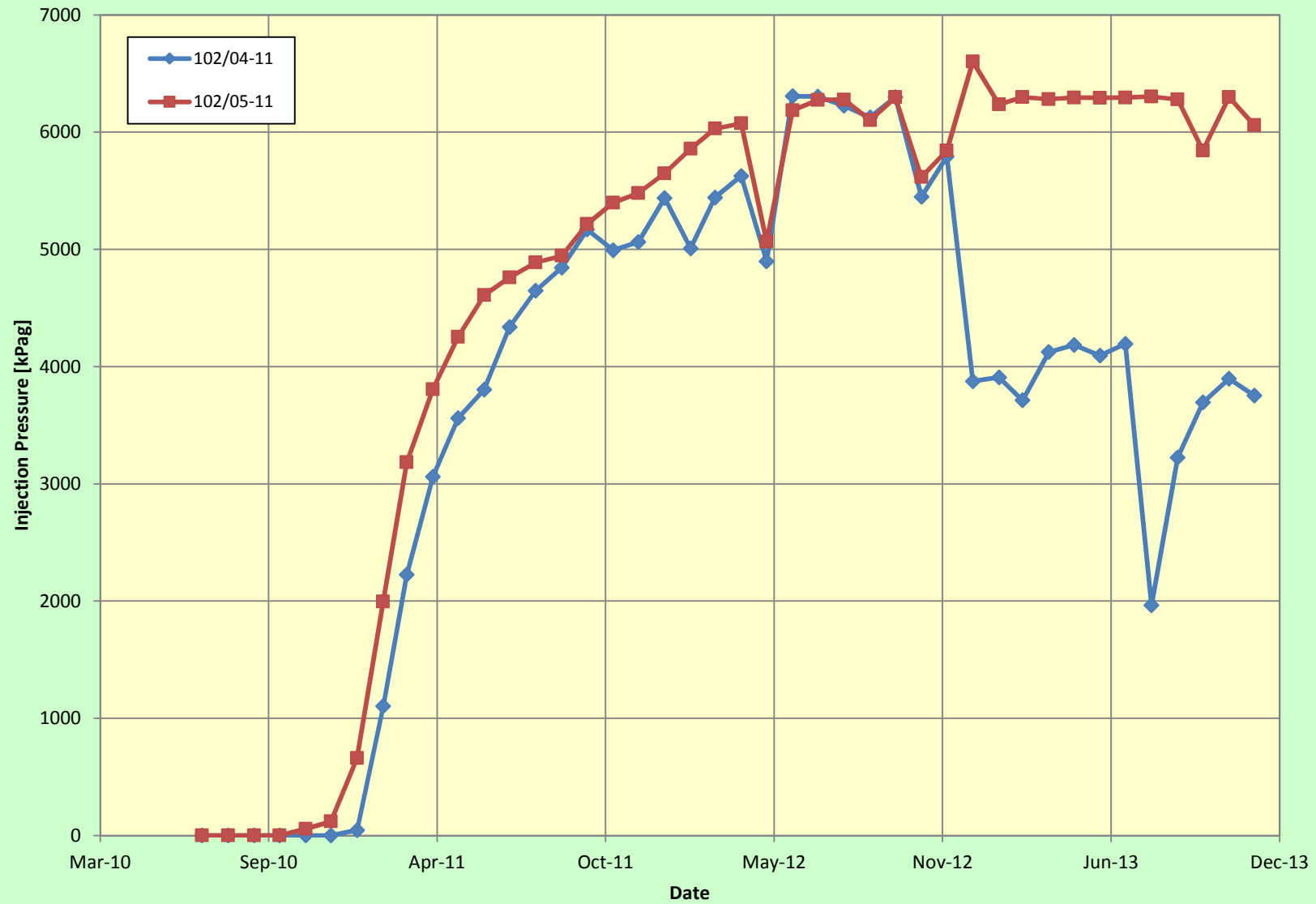
### Section 3 Injection Pressures vs Time



## Section 10 Injection Pressures vs Time

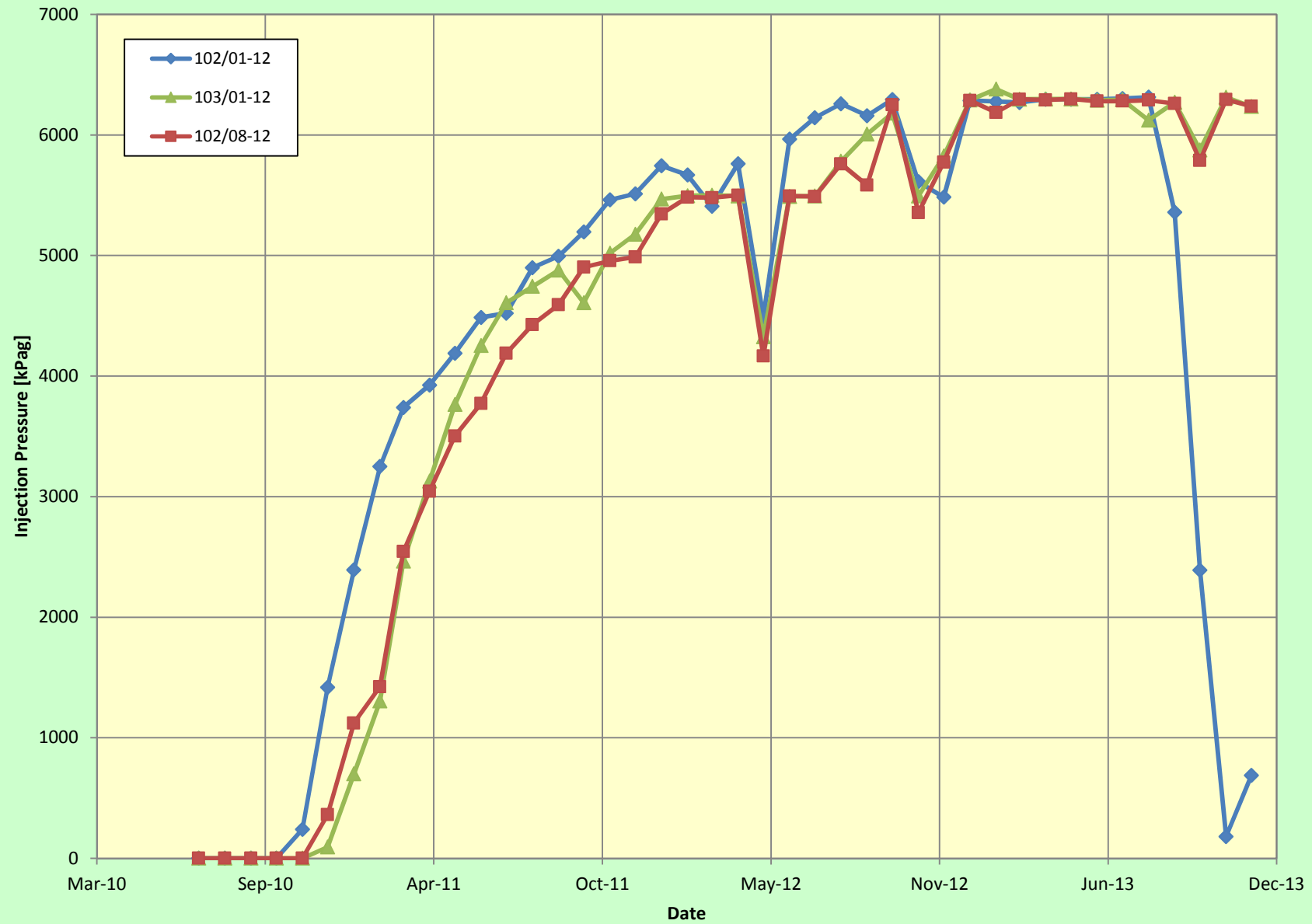


## Section 11 Injection Pressures vs Time





## Section 12 Injection Pressures vs Time



## Appendix C

### Sinclair Unit #3 Injection Pattern Summary as of December 2013

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
02/01-01-008-29W1 Injector	02/01-01	04-01	WTR Injection	01-01, 02-01, 03-01, 04-01	4	0.7	Nov 2005	Jan 2011	9.8	2.3	0.24	24.3	32.1	7.1	22.3	1.89	0.54
				05-01, 02/06-01, 07-01, 08-01	4	0.5											
02/09-01-008-29W1 Injector	02/09-01	12-01	WTR Injection	05-01, 02/06-01, 07-01, 08-01, 09-01, 10-01, 11-01, 12-01	8	0.5	Jan 2006	Oct 2010	10.8	9.5	0.87	0.0	31.3	14.3	20.4	0.00	0.43
02/16-01-008-29W1 Injector	02/16-01	13-01	WTR Injection	09-01, 10-01, 11-01, 12-01, 13-01, 14-01, 15-01, 16-01	8	0.5	Jun 2006	Dec 2010	10.2	9.4	0.93	27.7	28.5	15.0	22.5	1.36	0.49
03/05-02-008-29W1 Injector	03/05-02	08-01	WTR Injection	01-02, 02-02, 03-02, 04-02	4	0.7	Mar 2005	Jan 2011	8.7	3.4	0.39	26.4	29.4	6.1	21.7	2.07	0.58
				05-02, 06-02, 07-02, 08-02	4	0.5											
02/05-02-008-29W1 Injector	02/05-02	12-01	WTR Injection	05-02, 06-02, 07-02, 08-02, 09-02, 10-02, 11-02, 12-02	8	0.5	Jan 2006	Oct 2010	9.0	3.9	0.44	30.4	29.7	6.8	35.9	2.25	0.93
02/12-02-008-29W1 Injector	02/12-02	13-01	WTR Injection	09-02, 10-02, 11-02, 12-02, 13-02, 14-02, 15-02, 16-02	8	0.5	Jan 2006	Dec 2010	9.2	2.9	0.31	27.7	29.4	6.8	19.1	2.17	0.50
02/13-02-008-29W1 Injector	02/13-02	04-12	WTR Injection	13-02, 14-02, 15-02, 16-02, 01-11, 02-11, 03-11, 04-11	8	0.5	Dec 2005	Aug 2010	6.3	1.9	0.29	22.5	23.6	7.4	16.7	2.61	0.51
02/01-03-008-29W1 Injector	02/01-03	05-03	WTR Injection	01-03, 02-03, 03-03, 04-03	4	0.7	Mar 2005	Jul 2010	8.1	2.5	0.3	26.7	28.5	6.3	25.2	2.41	2.73
				05-03, 06-03, 07-03, 08-03	4	0.5											
02/08-03-008-29W1 Injector	02/08-03	05-03	WTR Injection	05-03, 06-03, 07-03, 08-03, 09-03, 10-03, 11-03, 12-03	8	0.5	Sep 2005	Aug 2010	9.8	3.9	0.4	26.7	32.6	6.6	29.2	1.86	2.51
02/16-03-008-29W1 Injector	02/16-03	13-03	WTR Injection	09-03, 10-03, 11-03, 12-03, 13-03, 14-03, 15-03, 16-03	8	0.5	Aug 2005	Aug 2010	9.7	3.0	0.31	20.3	30.5	6.0	29.8	1.52	0.77
03/01-10-008-29W1 Injector	03/01-10	13-03	WTR Injection	13-03, 14-03, 15-03, 16-03, 01-10, 02-10, 03-10, 04-10	8	0.5	Aug 2005	Jul 2010	7.9	2.7	0.35	26.3	26.2	6.7	25.8	2.35	0.74
02/01-10-008-29W1 Injector	02/01-10	04-10	WTR Injection	01-10, 02-10, 03-10, 04-10, 05-10, 06-10, 07-10, 08-10	8	0.5	Sep 2005	Aug 2010	8.5	3.1	0.36	16.3	26.6	7.2	22.5	1.33	0.63
02/08-10-008-29W1 Injector	02/08-10	12-10	WTR Injection	05-10, 06-10, 07-10, 08-10, 09-10, 10-10, 11-10, 12-10	8	0.5	Nov 2004	Jul 2010	8.2	4.0	0.49	23.3	27.9	7.3	29.7	1.83	0.80
02/16-10-008-29W1 Injector	02/16-10	13-10	WTR Injection	09-10, 10-10, 11-10, 12-10, 13-10, 14-10, 15-10, 16-10	8	0.5	Nov 2004	Apr 2013	5.9	3.4	0.57	26.9	27.9	7.9	5.6	2.79	0.15
02/04-11-008-29W1 Injector	02/04-11	04-12	WTR Injection	01-11, 02-11, 03-11, 04-11, 05-11, 06-11, 07-11, 08-11	8	0.5	Dec 2005	Dec 2010	2.8	1.1	0.38	0.0	14.5	6.5	11.7	0.00	0.53
02/05-11-008-29W1 Injector	02/05-11	12-12	WTR Injection	05-11, 06-11, 07-11, 08-11, 09-11, 10-11, 11-11, 12-11	8	0.5	Dec 2004	Oct 2010	2.2	1.0	0.44	11.9	15.3	4.6	19.4	3.55	0.92
02/13-11-008-29W1 Injector	02/13-11	12-12	Capable of OIL Prod	09-11, 10-11, 11-11, 12-11, 13-11, 14-11, 15-11, 16-11	8	0.5	Dec 2004		6.4	3.0	0.48	-	26.9	7.3	-	-	-
02/01-12-008-29W1 Injector	02/01-12	04-12	WTR Injection	13-01, 14-01, 15-01, 16-01, 01-12, 02-12, 03-12, 04-12	8	0.5	May 2006	Aug 2010	7.2	6.4	0.89	23.9	24.7	9.3	23.7	1.69	0.66
03/01-12-008-29W1 Injector	03/01-12	05-12	WTR Injection	01-12, 02-12, 03-12, 04-12, 05-12, 06-12, 07-12, 08-12	8	0.5	May 2006	Nov 2010	3.3	10.0	3	18.1	15.5	12.1	21.0	1.34	0.73
02/08-12-008-29W1 Injector	02/08-12	12-12	WTR Injection	05-12, 06-12, 07-12, 08-12, 09-12, 10-12, 11-12, 12-12	8	0.5	Feb 2005	Oct 2010	3.4	7.8	2.33	14.9	15.9	14.0	21.5	1.30	0.69
02/09-12-008-29W1 Injector	02/09-12	13-12	Capable of OIL Prod	09-12, 10-12, 11-12, 12-12, 13-12, 14-12, 15-12, 16-12	8	0.5	Feb 2005		5.4	4.3	0.8	-	23.5	13.4	-	-	-

**Appendix D**  
**Rates and VRR**  
**Plots and Tables**

# Pattern: 02/01-01-008-29Inj Set: Unit#3

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.24 m3/m3

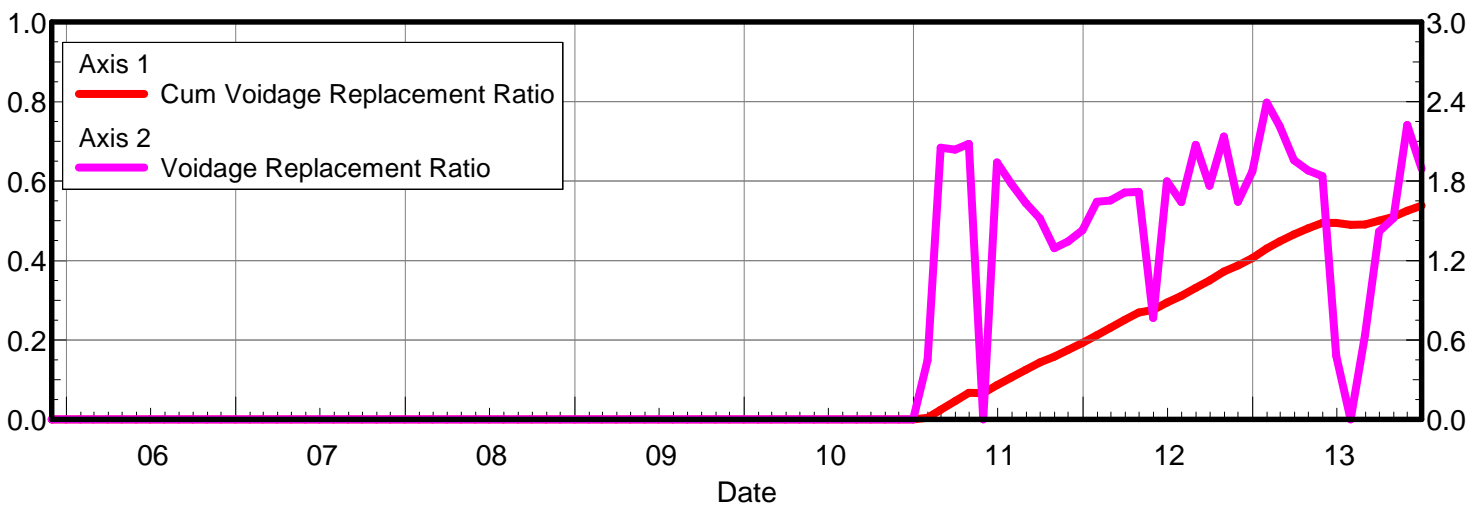
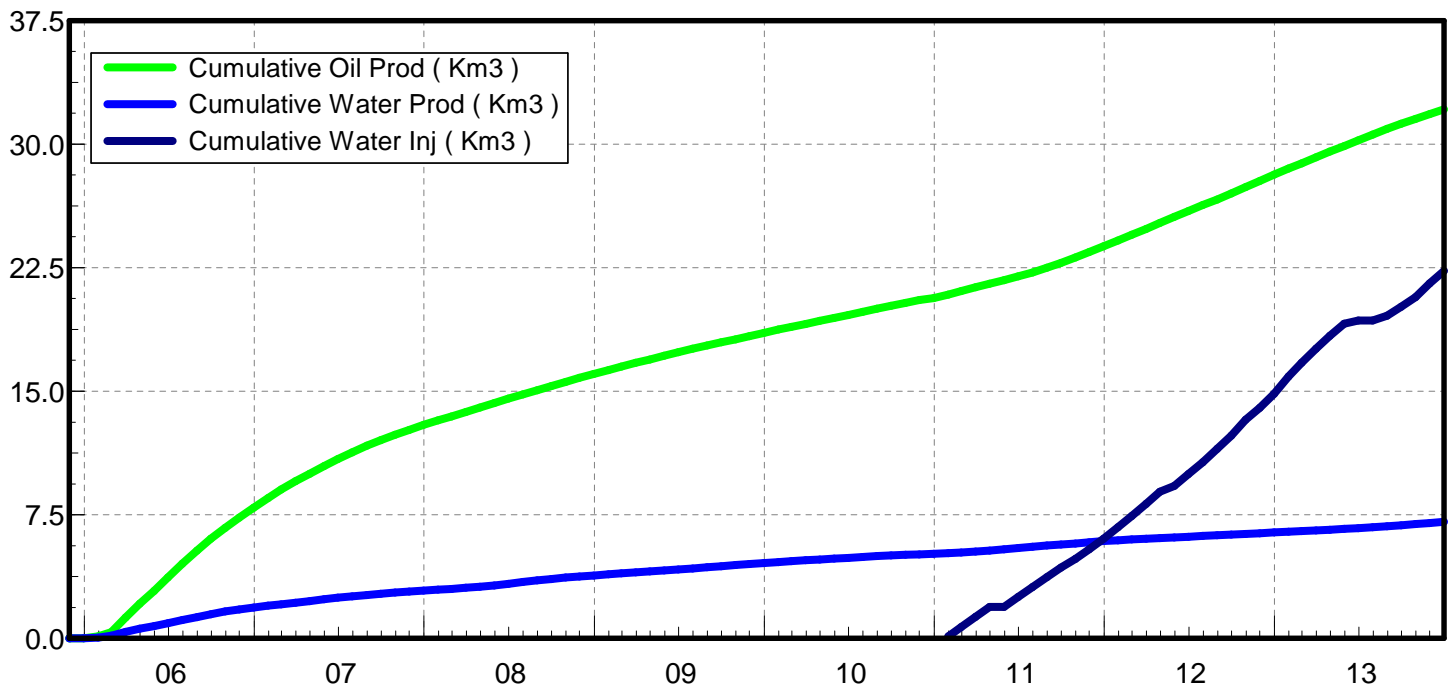
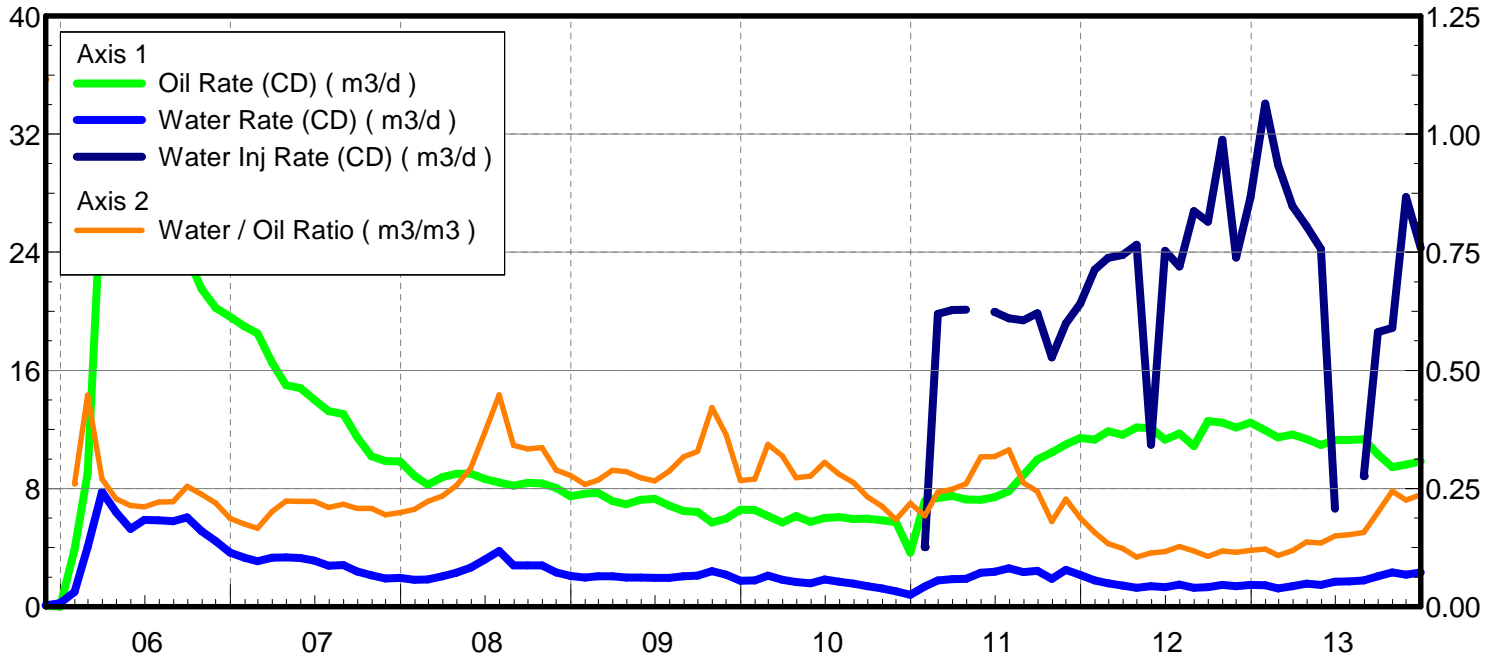
March 09, 2014

Operator: Tundra\_O&G\_Prtnshp

Oil Rate (CD) : 9.83 m3/d

Water Rate (CD) : 2.33 m3/d

Water Inj Rate (CD) : 24.29 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
11/30/2005	0.09	0.10	1.12		0.00	0.00	0.00	0.000	0.000
12/31/2005	0.00	0.23			0.00	0.01	0.00	0.000	0.000
1/31/2006	3.86	1.00	0.26		0.12	0.04	0.00	0.000	0.000
2/28/2006	9.03	4.04	0.45		0.37	0.15	0.00	0.000	0.000
3/31/2006	28.81	7.79	0.27		1.27	0.40	0.00	0.000	0.000
4/30/2006	28.00	6.38	0.23		2.11	0.59	0.00	0.000	0.000
5/31/2006	24.61	5.26	0.21		2.87	0.75	0.00	0.000	0.000
6/30/2006	27.79	5.88	0.21		3.70	0.93	0.00	0.000	0.000
7/31/2006	26.44	5.86	0.22		4.52	1.11	0.00	0.000	0.000
8/31/2006	26.07	5.79	0.22		5.33	1.29	0.00	0.000	0.000
9/30/2006	23.75	6.05	0.25		6.04	1.47	0.00	0.000	0.000
10/31/2006	21.52	5.12	0.24		6.71	1.63	0.00	0.000	0.000
11/30/2006	20.24	4.44	0.22		7.32	1.76	0.00	0.000	0.000
12/31/2006	19.62	3.67	0.19		7.93	1.87	0.00	0.000	0.000
1/31/2007	18.98	3.32	0.18		8.52	1.98	0.00	0.000	0.000
2/28/2007	18.51	3.08	0.17		9.03	2.06	0.00	0.000	0.000
3/31/2007	16.53	3.32	0.20		9.55	2.17	0.00	0.000	0.000
4/30/2007	15.00	3.35	0.22		10.00	2.27	0.00	0.000	0.000
5/31/2007	14.81	3.30	0.22		10.46	2.37	0.00	0.000	0.000
6/30/2007	14.01	3.13	0.22		10.88	2.46	0.00	0.000	0.000
7/31/2007	13.23	2.78	0.21		11.29	2.55	0.00	0.000	0.000
8/31/2007	13.05	2.83	0.22		11.69	2.64	0.00	0.000	0.000
9/30/2007	11.48	2.38	0.21		12.04	2.71	0.00	0.000	0.000
10/31/2007	10.18	2.12	0.21		12.35	2.77	0.00	0.000	0.000
11/30/2007	9.87	1.92	0.19		12.65	2.83	0.00	0.000	0.000
12/31/2007	9.83	1.96	0.20		12.95	2.89	0.00	0.000	0.000
1/31/2008	8.87	1.82	0.21		13.23	2.95	0.00	0.000	0.000
2/29/2008	8.25	1.84	0.22		13.47	3.00	0.00	0.000	0.000
3/31/2008	8.78	2.06	0.23		13.74	3.07	0.00	0.000	0.000
4/30/2008	8.99	2.30	0.26		14.01	3.14	0.00	0.000	0.000
5/31/2008	9.01	2.64	0.29		14.29	3.22	0.00	0.000	0.000
6/30/2008	8.66	3.19	0.37		14.55	3.31	0.00	0.000	0.000
7/31/2008	8.42	3.77	0.45		14.81	3.43	0.00	0.000	0.000
8/31/2008	8.19	2.79	0.34		15.06	3.52	0.00	0.000	0.000
9/30/2008	8.39	2.80	0.33		15.31	3.60	0.00	0.000	0.000
10/31/2008	8.34	2.81	0.34		15.57	3.69	0.00	0.000	0.000
11/30/2008	8.04	2.32	0.29		15.81	3.76	0.00	0.000	0.000
12/31/2008	7.48	2.08	0.28		16.04	3.82	0.00	0.000	0.000
1/31/2009	7.65	1.98	0.26		16.28	3.88	0.00	0.000	0.000
2/28/2009	7.71	2.06	0.27		16.50	3.94	0.00	0.000	0.000
3/31/2009	7.14	2.06	0.29		16.72	4.00	0.00	0.000	0.000
4/30/2009	6.94	1.98	0.29		16.93	4.06	0.00	0.000	0.000
5/31/2009	7.25	1.98	0.27		17.15	4.13	0.00	0.000	0.000
6/30/2009	7.31	1.95	0.27		17.37	4.18	0.00	0.000	0.000
7/31/2009	6.84	1.96	0.29		17.58	4.24	0.00	0.000	0.000
8/31/2009	6.49	2.05	0.32		17.78	4.31	0.00	0.000	0.000
9/30/2009	6.41	2.10	0.33		17.98	4.37	0.00	0.000	0.000
10/31/2009	5.71	2.40	0.42		18.15	4.45	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 Replacemnt Ratio
11/30/2009	5.96	2.17	0.36		18.33	4.51	0.00	0.000	0.000
12/31/2009	6.57	1.75	0.27		18.54	4.57	0.00	0.000	0.000
1/31/2010	6.55	1.77	0.27		18.74	4.62	0.00	0.000	0.000
2/28/2010	6.13	2.11	0.34		18.91	4.68	0.00	0.000	0.000
3/31/2010	5.70	1.82	0.32		19.09	4.74	0.00	0.000	0.000
4/30/2010	6.13	1.68	0.27		19.27	4.79	0.00	0.000	0.000
5/31/2010	5.75	1.59	0.28		19.45	4.83	0.00	0.000	0.000
6/30/2010	6.01	1.84	0.31		19.63	4.89	0.00	0.000	0.000
7/31/2010	6.06	1.70	0.28		19.82	4.94	0.00	0.000	0.000
8/31/2010	5.95	1.56	0.26		20.00	4.99	0.00	0.000	0.000
9/30/2010	5.96	1.39	0.23		20.18	5.03	0.00	0.000	0.000
10/31/2010	5.85	1.24	0.21		20.36	5.07	0.00	0.000	0.000
11/30/2010	5.72	1.05	0.18		20.53	5.10	0.00	0.000	0.000
12/31/2010	3.67	0.80	0.22		20.65	5.13	0.00	0.000	0.000
1/31/2011	7.15	1.37	0.19	4.03	20.87	5.17	0.13	0.447	0.005
2/28/2011	7.36	1.78	0.24	19.82	21.08	5.22	0.68	2.053	0.024
3/31/2011	7.49	1.86	0.25	20.10	21.31	5.28	1.30	2.036	0.046
4/30/2011	7.26	1.89	0.26	20.10	21.53	5.33	1.91	2.081	0.067
5/31/2011	7.23	2.29	0.32		21.75	5.41	1.91	0.000	0.066
6/30/2011	7.42	2.36	0.32	19.97	21.97	5.48	2.50	1.940	0.086
7/31/2011	7.83	2.60	0.33	19.52	22.21	5.56	3.11	1.778	0.106
8/31/2011	8.91	2.33	0.26	19.39	22.49	5.63	3.71	1.634	0.125
9/30/2011	9.97	2.43	0.24	19.87	22.79	5.70	4.31	1.517	0.143
10/31/2011	10.45	1.88	0.18	16.87	23.11	5.76	4.83	1.293	0.158
11/30/2011	10.99	2.50	0.23	19.17	23.44	5.84	5.41	1.344	0.175
12/31/2011	11.42	2.14	0.19	20.52	23.80	5.90	6.04	1.429	0.193
1/31/2012	11.32	1.78	0.16	22.81	24.15	5.96	6.75	1.643	0.212
2/29/2012	11.87	1.59	0.13	23.62	24.49	6.00	7.43	1.654	0.231
3/31/2012	11.65	1.43	0.12	23.81	24.85	6.05	8.17	1.714	0.250
4/30/2012	12.14	1.28	0.11	24.50	25.22	6.09	8.91	1.718	0.269
5/31/2012	12.08	1.38	0.11	10.97	25.59	6.13	9.25	0.767	0.276
6/30/2012	11.30	1.32	0.12	24.10	25.93	6.17	9.97	1.798	0.294
7/31/2012	11.72	1.49	0.13	23.03	26.30	6.21	10.68	1.642	0.311
8/31/2012	10.88	1.28	0.12	26.77	26.63	6.25	11.51	2.074	0.331
9/30/2012	12.57	1.33	0.11	26.07	27.01	6.29	12.30	1.764	0.350
10/31/2012	12.47	1.47	0.12	31.61	27.40	6.34	13.28	2.136	0.373
11/30/2012	12.14	1.40	0.12	23.63	27.76	6.38	13.98	1.643	0.388
12/31/2012	12.45	1.48	0.12	27.71	28.15	6.43	14.84	1.872	0.406
1/31/2013	11.95	1.46	0.12	34.06	28.52	6.47	15.90	2.393	0.430
2/28/2013	11.47	1.24	0.11	29.93	28.84	6.51	16.74	2.216	0.448
3/31/2013	11.66	1.39	0.12	27.13	29.20	6.55	17.58	1.958	0.465
4/30/2013	11.36	1.56	0.14	25.77	29.54	6.60	18.35	1.879	0.481
5/31/2013	10.95	1.48	0.13	24.23	29.88	6.64	19.10	1.837	0.495
6/30/2013	11.29	1.69	0.15	6.63	30.22	6.69	19.30	0.482	0.495
7/31/2013	11.28	1.72	0.15		30.57	6.75	19.30	0.000	0.489
8/31/2013	11.34	1.78	0.16	8.84	30.92	6.80	19.58	0.635	0.491
9/30/2013	10.32	2.06	0.20	18.60	31.23	6.86	20.13	1.420	0.500
10/31/2013	9.45	2.31	0.24	18.87	31.52	6.94	20.72	1.520	0.510

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
11/30/2013	9.63	2.17	0.23	27.73	31.81	7.00	21.55	2.223	0.525
12/31/2013	9.83	2.33	0.24	24.29	32.12	7.07	22.30	1.892	0.538

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.87 m3/m3

Pattern: 02/09-01-008-29Inj Set: Unit#3

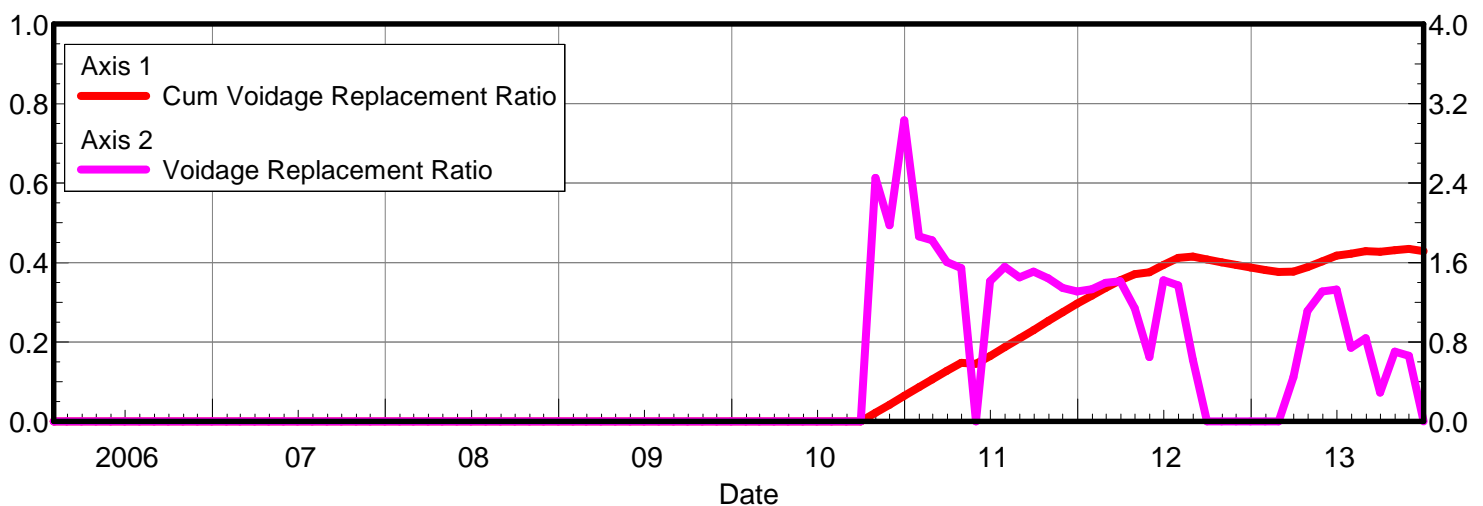
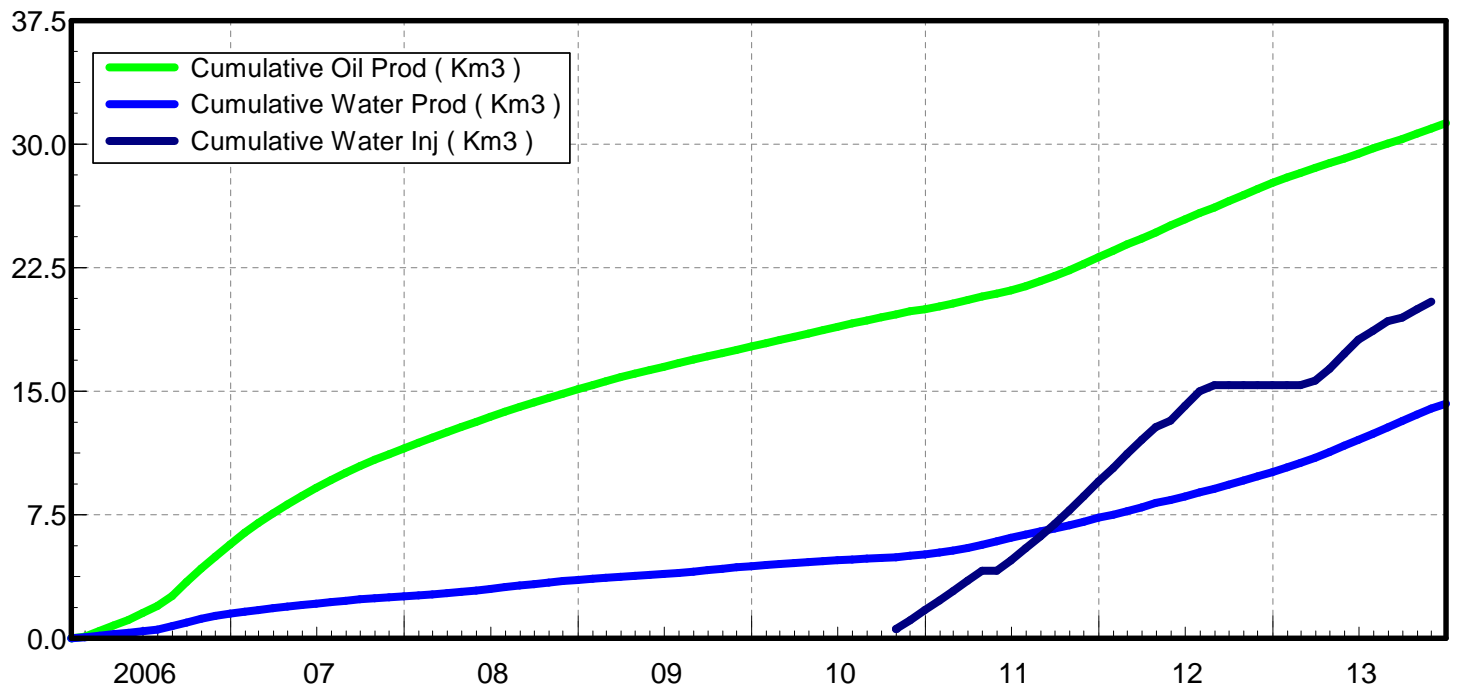
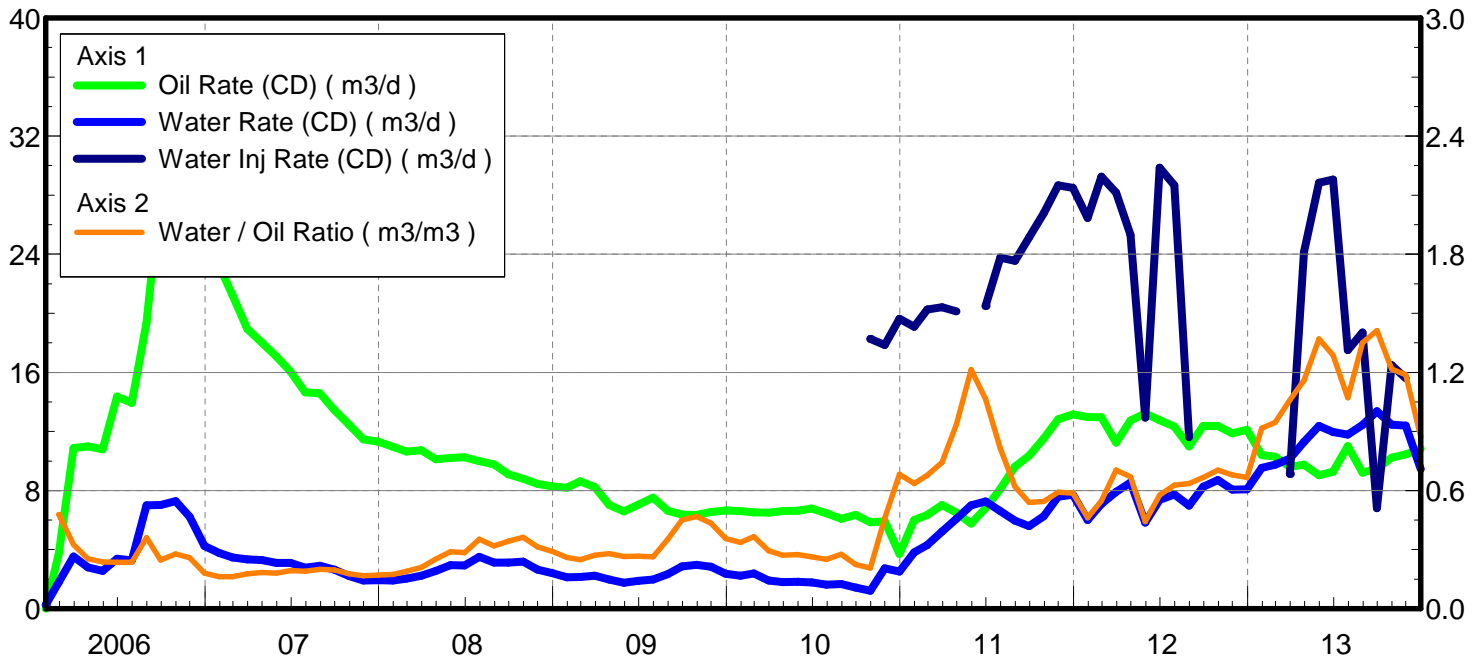
March 09, 2014

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 10.84 m3/d

Water Rate (CD) : 9.45 m3/d

Water Inj Rate (CD) : 15.60 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	0.02	0.26	10.67		0.00	0.01	0.00	0.000	0.000
2/28/2006	3.76	1.80	0.48		0.11	0.06	0.00	0.000	0.000
3/31/2006	10.89	3.54	0.32		0.44	0.17	0.00	0.000	0.000
4/30/2006	10.98	2.79	0.25		0.77	0.25	0.00	0.000	0.000
5/31/2006	10.79	2.55	0.24		1.11	0.33	0.00	0.000	0.000
6/30/2006	14.37	3.38	0.24		1.54	0.43	0.00	0.000	0.000
7/31/2006	13.93	3.28	0.24		1.97	0.53	0.00	0.000	0.000
8/31/2006	19.36	7.00	0.36		2.57	0.75	0.00	0.000	0.000
9/30/2006	28.48	7.03	0.25		3.42	0.96	0.00	0.000	0.000
10/31/2006	26.23	7.29	0.28		4.24	1.19	0.00	0.000	0.000
11/30/2006	24.03	6.22	0.26		4.96	1.37	0.00	0.000	0.000
12/31/2006	23.49	4.24	0.18		5.69	1.51	0.00	0.000	0.000
1/31/2007	23.22	3.76	0.16		6.41	1.62	0.00	0.000	0.000
2/28/2007	21.22	3.47	0.16		7.00	1.72	0.00	0.000	0.000
3/31/2007	18.94	3.35	0.18		7.59	1.82	0.00	0.000	0.000
4/30/2007	18.02	3.30	0.18		8.13	1.92	0.00	0.000	0.000
5/31/2007	17.07	3.09	0.18		8.66	2.02	0.00	0.000	0.000
6/30/2007	16.05	3.10	0.19		9.14	2.11	0.00	0.000	0.000
7/31/2007	14.66	2.78	0.19		9.59	2.20	0.00	0.000	0.000
8/31/2007	14.59	2.91	0.20		10.05	2.29	0.00	0.000	0.000
9/30/2007	13.45	2.65	0.20		10.45	2.37	0.00	0.000	0.000
10/31/2007	12.47	2.21	0.18		10.84	2.44	0.00	0.000	0.000
11/30/2007	11.46	1.92	0.17		11.18	2.49	0.00	0.000	0.000
12/31/2007	11.30	1.92	0.17		11.53	2.55	0.00	0.000	0.000
1/31/2008	10.97	1.92	0.17		11.87	2.61	0.00	0.000	0.000
2/29/2008	10.64	2.03	0.19		12.18	2.67	0.00	0.000	0.000
3/31/2008	10.72	2.24	0.21		12.51	2.74	0.00	0.000	0.000
4/30/2008	10.13	2.55	0.25		12.82	2.82	0.00	0.000	0.000
5/31/2008	10.21	2.95	0.29		13.13	2.91	0.00	0.000	0.000
6/30/2008	10.25	2.92	0.28		13.44	3.00	0.00	0.000	0.000
7/31/2008	9.99	3.52	0.35		13.75	3.11	0.00	0.000	0.000
8/31/2008	9.77	3.11	0.32		14.05	3.20	0.00	0.000	0.000
9/30/2008	9.10	3.13	0.34		14.32	3.30	0.00	0.000	0.000
10/31/2008	8.79	3.19	0.36		14.60	3.39	0.00	0.000	0.000
11/30/2008	8.45	2.65	0.31		14.85	3.47	0.00	0.000	0.000
12/31/2008	8.27	2.41	0.29		15.11	3.55	0.00	0.000	0.000
1/31/2009	8.18	2.13	0.26		15.36	3.61	0.00	0.000	0.000
2/28/2009	8.62	2.14	0.25		15.60	3.67	0.00	0.000	0.000
3/31/2009	8.23	2.23	0.27		15.86	3.74	0.00	0.000	0.000
4/30/2009	7.03	1.97	0.28		16.07	3.80	0.00	0.000	0.000
5/31/2009	6.60	1.75	0.27		16.27	3.86	0.00	0.000	0.000
6/30/2009	7.04	1.88	0.27		16.48	3.91	0.00	0.000	0.000
7/31/2009	7.51	1.98	0.26		16.72	3.97	0.00	0.000	0.000
8/31/2009	6.64	2.34	0.35		16.92	4.05	0.00	0.000	0.000
9/30/2009	6.37	2.87	0.45		17.11	4.13	0.00	0.000	0.000
10/31/2009	6.35	2.97	0.47		17.31	4.23	0.00	0.000	0.000
11/30/2009	6.54	2.84	0.43		17.51	4.31	0.00	0.000	0.000
12/31/2009	6.66	2.37	0.36		17.71	4.38	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	6.60	2.22	0.34		17.92	4.45	0.00	0.000	0.000
2/28/2010	6.53	2.39	0.37		18.10	4.52	0.00	0.000	0.000
3/31/2010	6.50	1.91	0.29		18.30	4.58	0.00	0.000	0.000
4/30/2010	6.62	1.80	0.27		18.50	4.63	0.00	0.000	0.000
5/31/2010	6.64	1.82	0.27		18.71	4.69	0.00	0.000	0.000
6/30/2010	6.79	1.78	0.26		18.91	4.74	0.00	0.000	0.000
7/31/2010	6.47	1.62	0.25		19.11	4.79	0.00	0.000	0.000
8/31/2010	6.09	1.68	0.28		19.30	4.85	0.00	0.000	0.000
9/30/2010	6.36	1.43	0.22		19.49	4.89	0.00	0.000	0.000
10/31/2010	5.84	1.21	0.21	18.27	19.67	4.93	0.57	2.452	0.022
11/30/2010	5.91	2.72	0.46	17.86	19.85	5.01	1.10	1.974	0.042
12/31/2010	3.70	2.53	0.68	19.64	19.96	5.09	1.71	3.031	0.065
1/31/2011	6.01	3.82	0.63	19.10	20.15	5.20	2.30	1.863	0.086
2/28/2011	6.35	4.31	0.68	20.25	20.33	5.32	2.87	1.824	0.106
3/31/2011	7.02	5.22	0.74	20.42	20.55	5.49	3.50	1.605	0.128
4/30/2011	6.50	6.08	0.94	20.13	20.74	5.67	4.11	1.545	0.147
5/31/2011	5.77	7.01	1.21		20.92	5.89	4.11	0.000	0.145
6/30/2011	6.81	7.25	1.07	20.50	21.12	6.10	4.72	1.410	0.165
7/31/2011	8.11	6.61	0.81	23.77	21.37	6.31	5.46	1.556	0.187
8/31/2011	9.62	5.96	0.62	23.55	21.67	6.49	6.19	1.449	0.209
9/30/2011	10.36	5.60	0.54	25.13	21.98	6.66	6.94	1.507	0.230
10/31/2011	11.52	6.26	0.54	26.77	22.34	6.86	7.77	1.441	0.253
11/30/2011	12.83	7.59	0.59	28.67	22.73	7.08	8.63	1.346	0.275
12/31/2011	13.15	7.71	0.59	28.48	23.13	7.32	9.52	1.309	0.297
1/31/2012	12.99	6.00	0.46	26.45	23.54	7.51	10.34	1.330	0.316
2/29/2012	12.95	7.09	0.55	29.24	23.91	7.71	11.18	1.397	0.336
3/31/2012	11.25	7.91	0.70	28.16	24.26	7.96	12.06	1.413	0.356
4/30/2012	12.74	8.54	0.67	25.30	24.64	8.21	12.82	1.141	0.371
5/31/2012	13.21	5.84	0.44	12.94	25.05	8.40	13.22	0.648	0.376
6/30/2012	12.76	7.37	0.58	29.87	25.43	8.62	14.11	1.421	0.394
7/31/2012	12.33	7.74	0.63	28.68	25.82	8.86	15.00	1.370	0.411
8/31/2012	10.99	6.98	0.63	11.61	26.16	9.07	15.36	0.620	0.415
9/30/2012	12.37	8.25	0.67		26.53	9.32	15.36	0.000	0.408
10/31/2012	12.38	8.71	0.70		26.91	9.59	15.36	0.000	0.400
11/30/2012	11.87	8.06	0.68		27.27	9.83	15.36	0.000	0.394
12/31/2012	12.11	8.07	0.67		27.64	10.08	15.36	0.000	0.387
1/31/2013	10.40	9.54	0.92		27.97	10.38	15.36	0.000	0.381
2/28/2013	10.30	9.74	0.95		28.26	10.65	15.36	0.000	0.376
3/31/2013	9.60	10.16	1.06	9.13	28.55	10.97	15.65	0.447	0.377
4/30/2013	9.75	11.30	1.16	24.13	28.85	11.31	16.37	1.111	0.388
5/31/2013	9.03	12.37	1.37	28.84	29.13	11.69	17.26	1.309	0.403
6/30/2013	9.29	11.96	1.29	29.07	29.40	12.05	18.14	1.328	0.417
7/31/2013	11.01	11.80	1.07	17.52	29.74	12.41	18.68	0.743	0.422
8/31/2013	9.20	12.43	1.35	18.71	30.03	12.80	19.26	0.840	0.429
9/30/2013	9.46	13.36	1.41	6.80	30.31	13.20	19.46	0.290	0.427
10/31/2013	10.24	12.46	1.22	16.48	30.63	13.59	19.97	0.704	0.431
11/30/2013	10.44	12.40	1.19	15.60	30.94	13.96	20.44	0.662	0.434

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
12/31/2013	10.84	9.45	0.87		31.28	14.25	20.44	0.000	0.429

# Pattern: 02/16-01-008-29Inj Set: Unit#3

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.93 m3/m3

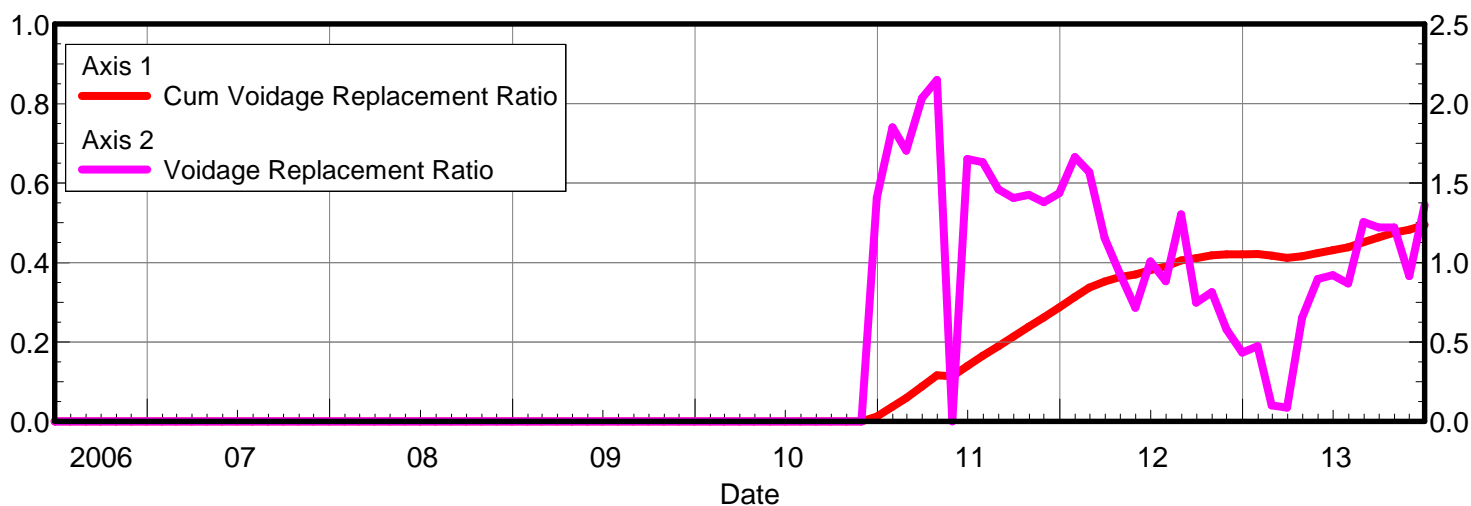
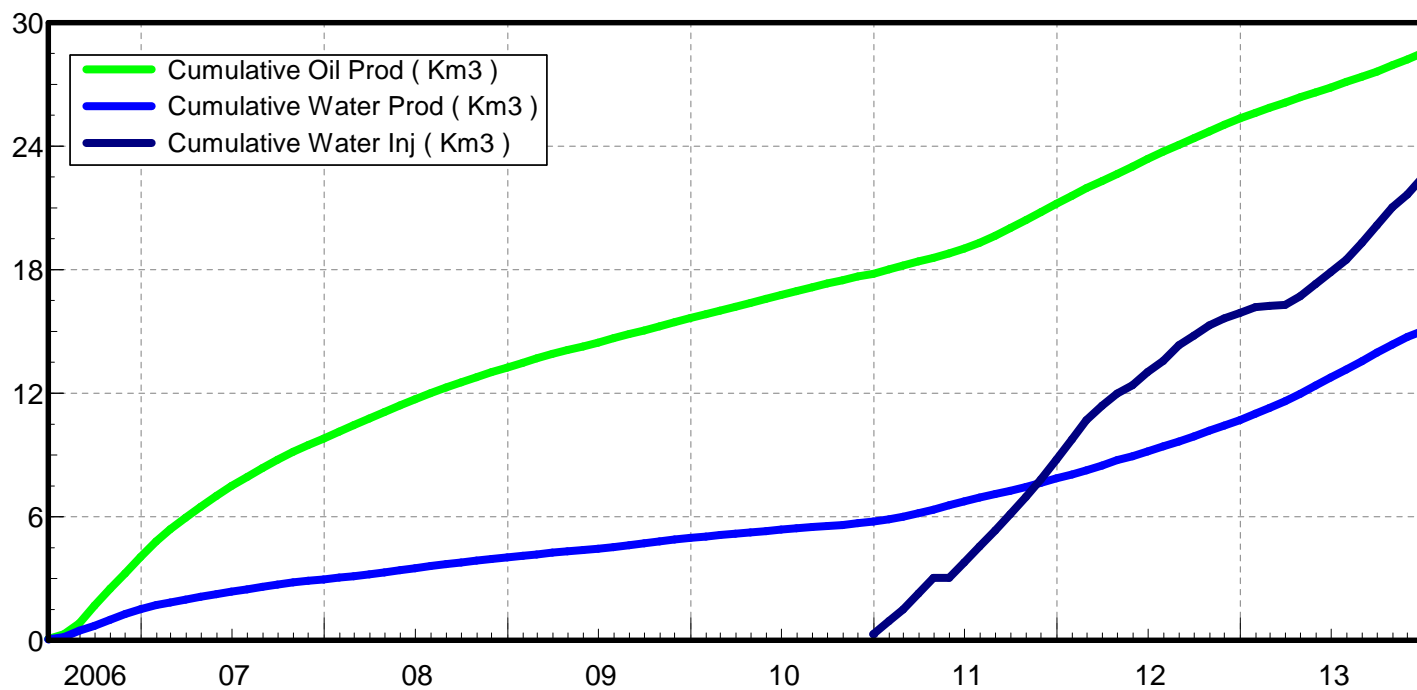
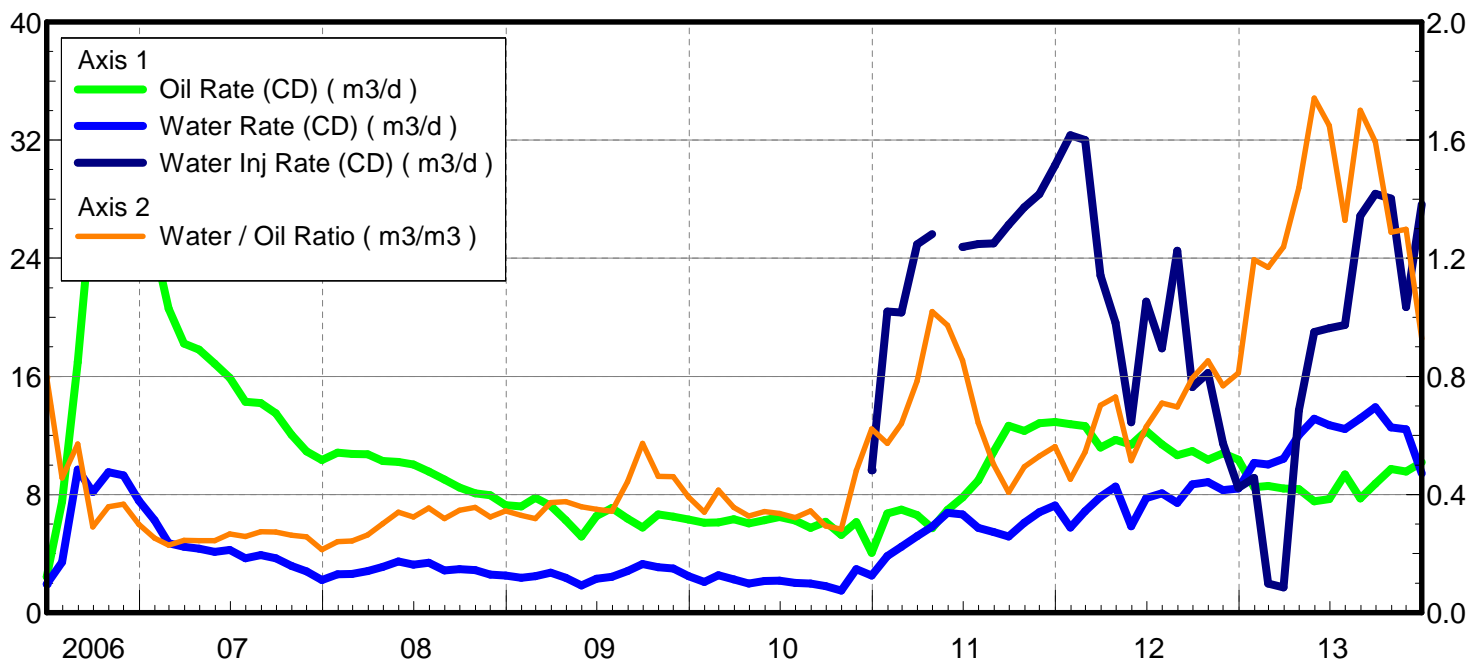
March 09, 2014

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 10.18 m3/d

Water Rate (CD) : 9.44 m3/d

Water Inj Rate (CD) : 27.65 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
6/30/2006	2.43	1.93	0.80		0.07	0.06	0.00	0.000	0.000
7/31/2006	7.52	3.43	0.46		0.31	0.16	0.00	0.000	0.000
8/31/2006	16.96	9.69	0.57		0.83	0.46	0.00	0.000	0.000
9/30/2006	28.14	8.18	0.29		1.68	0.71	0.00	0.000	0.000
10/31/2006	26.54	9.51	0.36		2.50	1.00	0.00	0.000	0.000
11/30/2006	25.32	9.29	0.37		3.26	1.28	0.00	0.000	0.000
12/31/2006	25.35	7.58	0.30		4.04	1.52	0.00	0.000	0.000
1/31/2007	24.78	6.26	0.25		4.81	1.71	0.00	0.000	0.000
2/28/2007	20.59	4.71	0.23		5.39	1.84	0.00	0.000	0.000
3/31/2007	18.23	4.47	0.25		5.95	1.98	0.00	0.000	0.000
4/30/2007	17.80	4.33	0.24		6.49	2.11	0.00	0.000	0.000
5/31/2007	16.86	4.11	0.24		7.01	2.24	0.00	0.000	0.000
6/30/2007	15.91	4.24	0.27		7.49	2.37	0.00	0.000	0.000
7/31/2007	14.29	3.68	0.26		7.93	2.48	0.00	0.000	0.000
8/31/2007	14.20	3.89	0.27		8.37	2.60	0.00	0.000	0.000
9/30/2007	13.49	3.68	0.27		8.78	2.71	0.00	0.000	0.000
10/31/2007	12.04	3.16	0.26		9.15	2.81	0.00	0.000	0.000
11/30/2007	10.92	2.81	0.26		9.48	2.89	0.00	0.000	0.000
12/31/2007	10.34	2.21	0.21		9.80	2.96	0.00	0.000	0.000
1/31/2008	10.84	2.60	0.24		10.13	3.04	0.00	0.000	0.000
2/29/2008	10.76	2.61	0.24		10.44	3.12	0.00	0.000	0.000
3/31/2008	10.72	2.82	0.26		10.78	3.21	0.00	0.000	0.000
4/30/2008	10.27	3.09	0.30		11.09	3.30	0.00	0.000	0.000
5/31/2008	10.22	3.48	0.34		11.40	3.41	0.00	0.000	0.000
6/30/2008	10.02	3.25	0.32		11.70	3.51	0.00	0.000	0.000
7/31/2008	9.55	3.38	0.35		12.00	3.61	0.00	0.000	0.000
8/31/2008	9.01	2.87	0.32		12.28	3.70	0.00	0.000	0.000
9/30/2008	8.48	2.94	0.35		12.53	3.79	0.00	0.000	0.000
10/31/2008	8.09	2.88	0.36		12.78	3.88	0.00	0.000	0.000
11/30/2008	7.95	2.58	0.32		13.02	3.95	0.00	0.000	0.000
12/31/2008	7.29	2.51	0.35		13.25	4.03	0.00	0.000	0.000
1/31/2009	7.19	2.36	0.33		13.47	4.11	0.00	0.000	0.000
2/28/2009	7.79	2.48	0.32		13.69	4.17	0.00	0.000	0.000
3/31/2009	7.25	2.70	0.37		13.91	4.26	0.00	0.000	0.000
4/30/2009	6.27	2.36	0.38		14.10	4.33	0.00	0.000	0.000
5/31/2009	5.16	1.85	0.36		14.26	4.39	0.00	0.000	0.000
6/30/2009	6.54	2.29	0.35		14.46	4.45	0.00	0.000	0.000
7/31/2009	7.09	2.44	0.34		14.68	4.53	0.00	0.000	0.000
8/31/2009	6.38	2.82	0.44		14.88	4.62	0.00	0.000	0.000
9/30/2009	5.76	3.31	0.57		15.05	4.72	0.00	0.000	0.000
10/31/2009	6.65	3.07	0.46		15.25	4.81	0.00	0.000	0.000
11/30/2009	6.50	3.00	0.46		15.45	4.90	0.00	0.000	0.000
12/31/2009	6.30	2.47	0.39		15.64	4.98	0.00	0.000	0.000
1/31/2010	6.10	2.08	0.34		15.83	5.04	0.00	0.000	0.000
2/28/2010	6.10	2.54	0.42		16.00	5.11	0.00	0.000	0.000
3/31/2010	6.32	2.25	0.36		16.20	5.18	0.00	0.000	0.000
4/30/2010	6.05	1.98	0.33		16.38	5.24	0.00	0.000	0.000
5/31/2010	6.26	2.14	0.34		16.58	5.31	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
6/30/2010	6.49	2.18	0.34		16.77	5.37	0.00	0.000	0.000
7/31/2010	6.25	2.01	0.32		16.96	5.44	0.00	0.000	0.000
8/31/2010	5.74	1.98	0.34		17.14	5.50	0.00	0.000	0.000
9/30/2010	6.17	1.81	0.29		17.33	5.55	0.00	0.000	0.000
10/31/2010	5.27	1.49	0.28		17.49	5.60	0.00	0.000	0.000
11/30/2010	6.13	2.95	0.48		17.67	5.69	0.00	0.000	0.000
12/31/2010	4.05	2.52	0.62	9.65	17.80	5.77	0.30	1.407	0.012
1/31/2011	6.71	3.84	0.57	20.39	18.01	5.88	0.93	1.850	0.037
2/28/2011	6.97	4.47	0.64	20.32	18.20	6.01	1.50	1.704	0.059
3/31/2011	6.61	5.19	0.78	24.94	18.41	6.17	2.27	2.034	0.088
4/30/2011	5.71	5.83	1.02	25.63	18.58	6.35	3.04	2.148	0.116
5/31/2011	6.96	6.77	0.97		18.80	6.55	3.04	0.000	0.114
6/30/2011	7.80	6.66	0.85	24.77	19.03	6.75	3.79	1.651	0.140
7/31/2011	8.94	5.74	0.64	24.97	19.31	6.93	4.56	1.632	0.165
8/31/2011	10.90	5.47	0.50	25.00	19.64	7.10	5.33	1.460	0.190
9/30/2011	12.65	5.15	0.41	26.27	20.02	7.26	6.12	1.406	0.214
10/31/2011	12.31	6.08	0.49	27.45	20.41	7.45	6.97	1.426	0.238
11/30/2011	12.84	6.80	0.53	28.33	20.79	7.65	7.82	1.380	0.262
12/31/2011	12.92	7.26	0.56	30.29	21.19	7.87	8.76	1.437	0.287
1/31/2012	12.77	5.77	0.45	32.32	21.59	8.05	9.76	1.664	0.314
2/29/2012	12.64	6.87	0.54	32.00	21.95	8.25	10.69	1.570	0.337
3/31/2012	11.18	7.85	0.70	22.84	22.30	8.50	11.40	1.153	0.352
4/30/2012	11.71	8.55	0.73	19.63	22.65	8.75	11.99	0.932	0.364
5/31/2012	11.38	5.86	0.52	12.90	23.00	8.93	12.39	0.716	0.369
6/30/2012	12.32	7.76	0.63	21.07	23.37	9.17	13.02	1.006	0.381
7/31/2012	11.40	8.09	0.71	17.90	23.73	9.42	13.58	0.882	0.390
8/31/2012	10.65	7.42	0.70	24.52	24.06	9.65	14.34	1.303	0.405
9/30/2012	10.94	8.70	0.79	15.27	24.39	9.91	14.79	0.748	0.411
10/31/2012	10.36	8.84	0.85	16.23	24.71	10.18	15.30	0.815	0.418
11/30/2012	10.80	8.29	0.77	11.47	25.03	10.43	15.64	0.578	0.420
12/31/2012	10.35	8.40	0.81	8.45	25.35	10.69	15.90	0.434	0.421
1/31/2013	8.50	10.15	1.19	9.13	25.62	11.01	16.19	0.474	0.422
2/28/2013	8.58	10.03	1.17	1.96	25.86	11.29	16.24	0.102	0.417
3/31/2013	8.41	10.42	1.24	1.71	26.12	11.61	16.29	0.088	0.412
4/30/2013	8.37	12.04	1.44	13.70	26.37	11.97	16.70	0.653	0.416
5/31/2013	7.54	13.14	1.74	19.00	26.60	12.38	17.29	0.896	0.424
6/30/2013	7.70	12.69	1.65	19.27	26.83	12.76	17.87	0.921	0.431
7/31/2013	9.36	12.44	1.33	19.48	27.12	13.14	18.48	0.868	0.438
8/31/2013	7.73	13.15	1.70	26.87	27.36	13.55	19.31	1.255	0.451
9/30/2013	8.73	13.92	1.59	28.37	27.62	13.97	20.16	1.220	0.463
10/31/2013	9.74	12.55	1.29	28.03	27.93	14.36	21.03	1.221	0.476
11/30/2013	9.57	12.42	1.30	20.70	28.21	14.73	21.65	0.914	0.482
12/31/2013	10.18	9.44	0.93	27.65	28.53	15.02	22.51	1.361	0.494

# Pattern: 02/05-02-008-29Inj Set: Unit#3

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.44 m3/m3

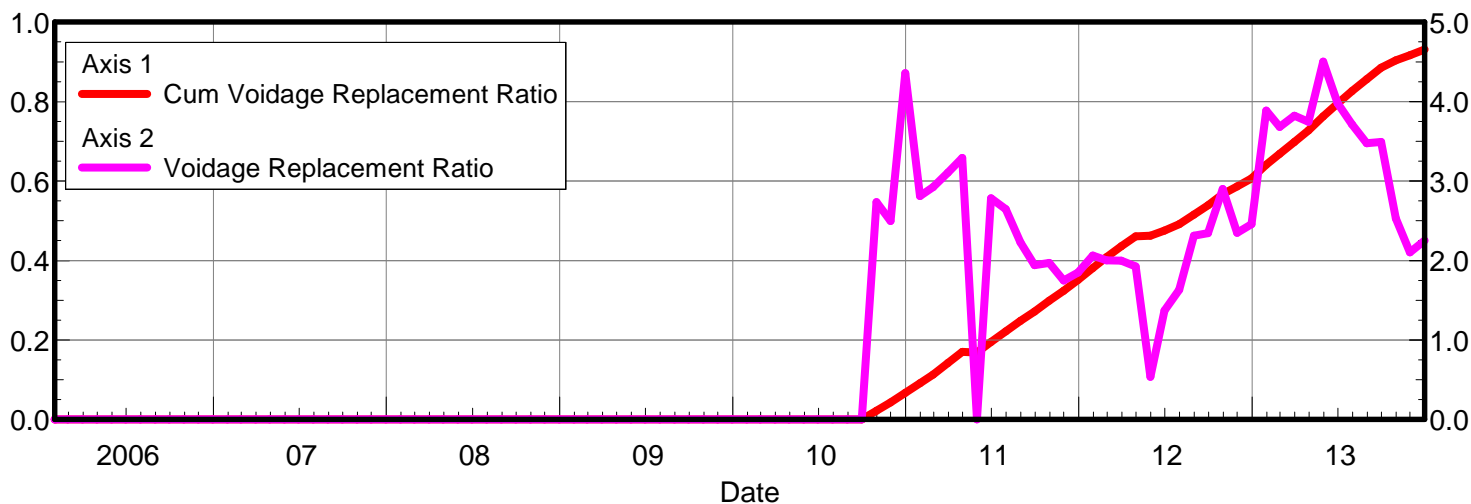
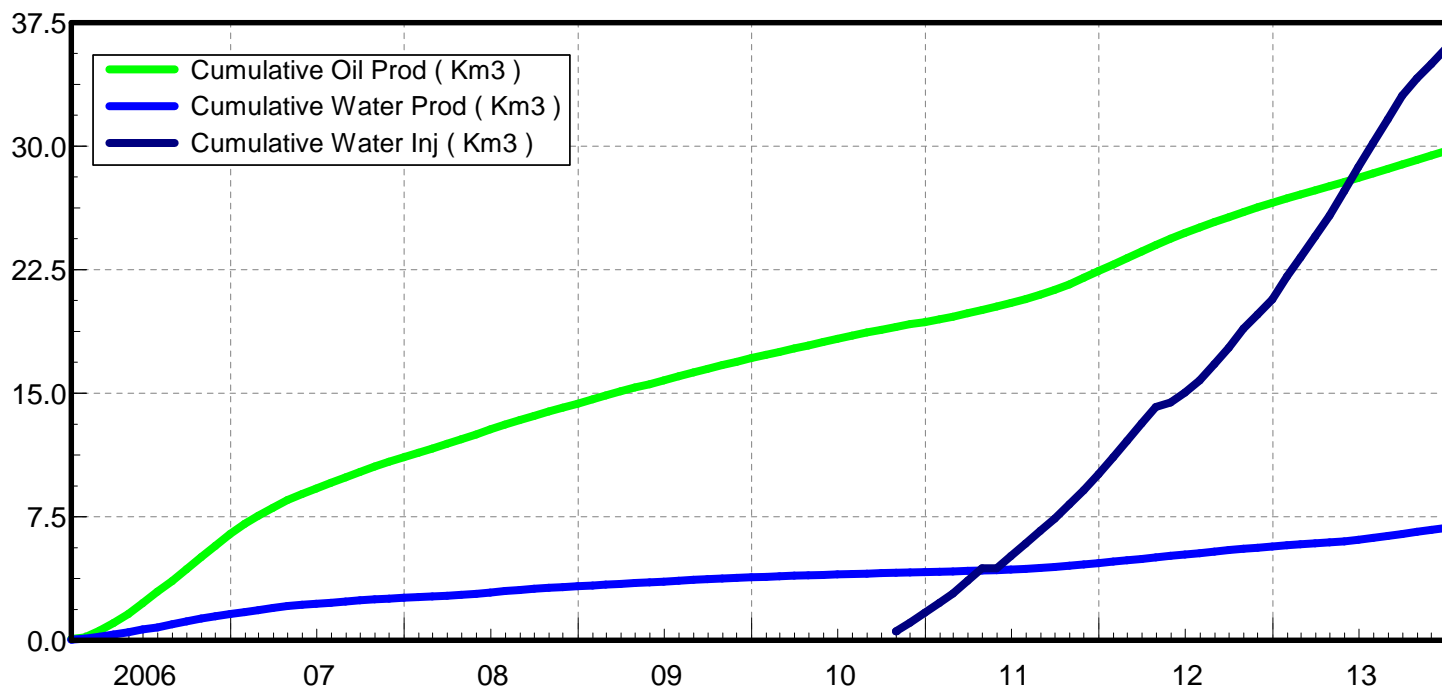
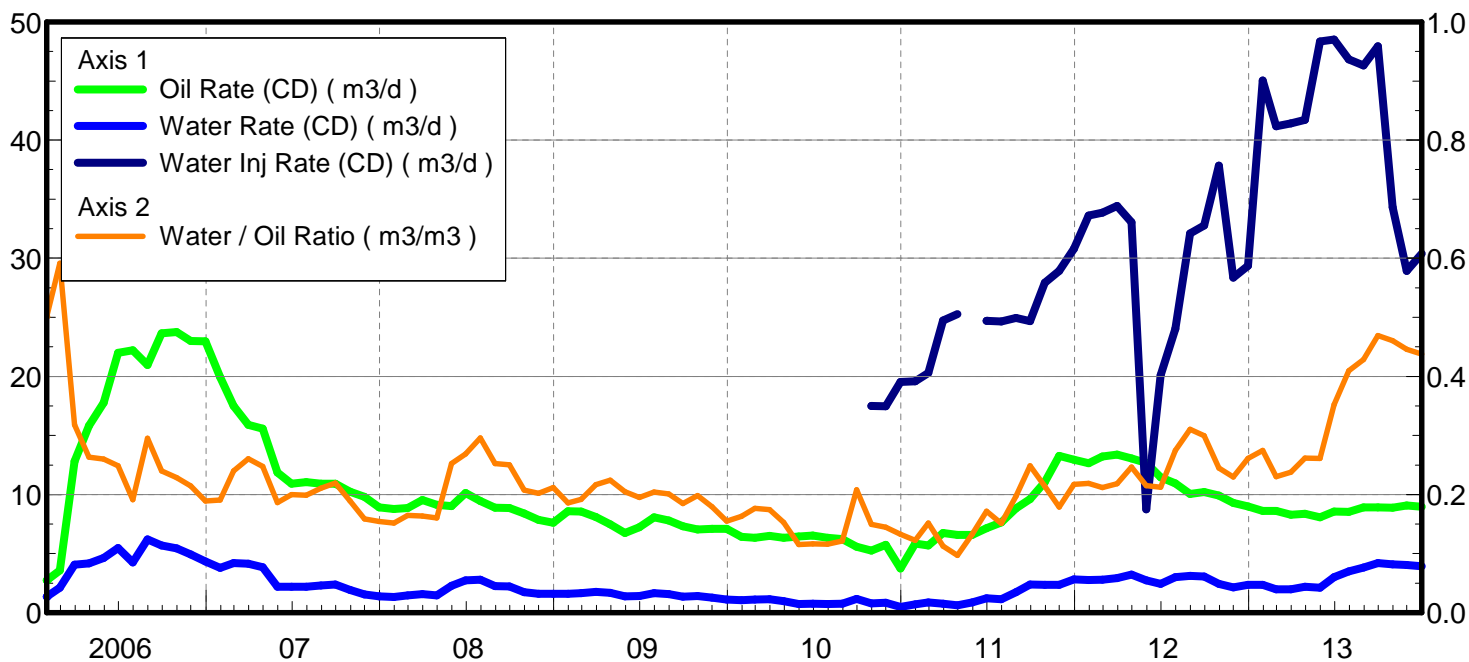
March 09, 2014

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 8.96 m3/d

Water Rate (CD) : 3.92 m3/d

Water Inj Rate (CD) : 30.39 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	2.73	1.37	0.50		0.08	0.04	0.00	0.000	0.000
2/28/2006	3.57	2.11	0.59		0.18	0.10	0.00	0.000	0.000
3/31/2006	12.81	4.08	0.32		0.58	0.23	0.00	0.000	0.000
4/30/2006	15.81	4.16	0.26		1.06	0.35	0.00	0.000	0.000
5/31/2006	17.76	4.62	0.26		1.61	0.50	0.00	0.000	0.000
6/30/2006	22.00	5.47	0.25		2.27	0.66	0.00	0.000	0.000
7/31/2006	22.21	4.25	0.19		2.96	0.79	0.00	0.000	0.000
8/31/2006	20.98	6.20	0.30		3.61	0.98	0.00	0.000	0.000
9/30/2006	23.65	5.68	0.24		4.31	1.15	0.00	0.000	0.000
10/31/2006	23.74	5.43	0.23		5.05	1.32	0.00	0.000	0.000
11/30/2006	22.99	4.93	0.21		5.74	1.47	0.00	0.000	0.000
12/31/2006	22.98	4.35	0.19		6.45	1.61	0.00	0.000	0.000
1/31/2007	19.94	3.80	0.19		7.07	1.72	0.00	0.000	0.000
2/28/2007	17.50	4.20	0.24		7.56	1.84	0.00	0.000	0.000
3/31/2007	15.89	4.14	0.26		8.05	1.97	0.00	0.000	0.000
4/30/2007	15.58	3.86	0.25		8.52	2.09	0.00	0.000	0.000
5/31/2007	11.87	2.21	0.19		8.89	2.15	0.00	0.000	0.000
6/30/2007	10.93	2.19	0.20		9.22	2.22	0.00	0.000	0.000
7/31/2007	11.06	2.20	0.20		9.56	2.29	0.00	0.000	0.000
8/31/2007	10.92	2.30	0.21		9.90	2.36	0.00	0.000	0.000
9/30/2007	10.92	2.40	0.22		10.23	2.43	0.00	0.000	0.000
10/31/2007	10.23	1.93	0.19		10.54	2.49	0.00	0.000	0.000
11/30/2007	9.80	1.55	0.16		10.84	2.54	0.00	0.000	0.000
12/31/2007	8.91	1.38	0.15		11.11	2.58	0.00	0.000	0.000
1/31/2008	8.77	1.33	0.15		11.39	2.62	0.00	0.000	0.000
2/29/2008	8.87	1.46	0.16		11.64	2.66	0.00	0.000	0.000
3/31/2008	9.54	1.56	0.16		11.94	2.71	0.00	0.000	0.000
4/30/2008	9.13	1.46	0.16		12.21	2.76	0.00	0.000	0.000
5/31/2008	9.02	2.28	0.25		12.49	2.83	0.00	0.000	0.000
6/30/2008	10.14	2.73	0.27		12.80	2.91	0.00	0.000	0.000
7/31/2008	9.46	2.80	0.30		13.09	3.00	0.00	0.000	0.000
8/31/2008	8.88	2.24	0.25		13.36	3.06	0.00	0.000	0.000
9/30/2008	8.87	2.22	0.25		13.63	3.13	0.00	0.000	0.000
10/31/2008	8.40	1.74	0.21		13.89	3.19	0.00	0.000	0.000
11/30/2008	7.86	1.59	0.20		14.13	3.23	0.00	0.000	0.000
12/31/2008	7.60	1.61	0.21		14.36	3.28	0.00	0.000	0.000
1/31/2009	8.58	1.60	0.19		14.63	3.33	0.00	0.000	0.000
2/28/2009	8.57	1.65	0.19		14.87	3.38	0.00	0.000	0.000
3/31/2009	8.09	1.75	0.22		15.12	3.43	0.00	0.000	0.000
4/30/2009	7.49	1.68	0.22		15.34	3.48	0.00	0.000	0.000
5/31/2009	6.75	1.38	0.20		15.55	3.53	0.00	0.000	0.000
6/30/2009	7.24	1.41	0.20		15.77	3.57	0.00	0.000	0.000
7/31/2009	8.08	1.65	0.20		16.02	3.62	0.00	0.000	0.000
8/31/2009	7.80	1.57	0.20		16.26	3.67	0.00	0.000	0.000
9/30/2009	7.31	1.35	0.18		16.48	3.71	0.00	0.000	0.000
10/31/2009	7.06	1.40	0.20		16.70	3.75	0.00	0.000	0.000
11/30/2009	7.09	1.27	0.18		16.91	3.79	0.00	0.000	0.000
12/31/2009	7.10	1.10	0.15		17.13	3.82	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	6.41	1.05	0.16		17.33	3.86	0.00	0.000	0.000
2/28/2010	6.34	1.12	0.18		17.51	3.89	0.00	0.000	0.000
3/31/2010	6.50	1.13	0.17		17.71	3.92	0.00	0.000	0.000
4/30/2010	6.34	0.97	0.15		17.90	3.95	0.00	0.000	0.000
5/31/2010	6.45	0.75	0.12		18.10	3.98	0.00	0.000	0.000
6/30/2010	6.54	0.76	0.12		18.30	4.00	0.00	0.000	0.000
7/31/2010	6.35	0.74	0.12		18.49	4.02	0.00	0.000	0.000
8/31/2010	6.23	0.76	0.12		18.69	4.04	0.00	0.000	0.000
9/30/2010	5.58	1.16	0.21		18.85	4.08	0.00	0.000	0.000
10/31/2010	5.25	0.78	0.15	17.50	19.02	4.10	0.54	2.736	0.022
11/30/2010	5.76	0.83	0.14	17.46	19.19	4.13	1.07	2.499	0.043
12/31/2010	3.73	0.50	0.13	19.54	19.31	4.14	1.67	4.357	0.067
1/31/2011	5.84	0.72	0.12	19.58	19.49	4.17	2.28	2.813	0.091
2/28/2011	5.68	0.86	0.15	20.29	19.65	4.19	2.85	2.926	0.113
3/31/2011	6.74	0.76	0.11	24.74	19.85	4.21	3.61	3.106	0.142
4/30/2011	6.58	0.64	0.10	25.27	20.05	4.23	4.37	3.291	0.170
5/31/2011	6.59	0.87	0.13		20.26	4.26	4.37	0.000	0.169
6/30/2011	7.15	1.23	0.17	24.70	20.47	4.30	5.11	2.782	0.195
7/31/2011	7.63	1.15	0.15	24.65	20.71	4.33	5.88	2.646	0.222
8/31/2011	8.83	1.74	0.20	24.94	20.98	4.39	6.65	2.229	0.248
9/30/2011	9.63	2.40	0.25	24.67	21.27	4.46	7.39	1.944	0.272
10/31/2011	11.05	2.36	0.21	27.94	21.61	4.53	8.26	1.970	0.299
11/30/2011	13.26	2.37	0.18	28.93	22.01	4.60	9.12	1.748	0.324
12/31/2011	12.95	2.81	0.22	30.81	22.41	4.69	10.08	1.849	0.352
1/31/2012	12.65	2.77	0.22	33.61	22.80	4.78	11.12	2.063	0.381
2/29/2012	13.21	2.80	0.21	33.86	23.19	4.86	12.10	2.000	0.408
3/31/2012	13.39	2.92	0.22	34.42	23.60	4.95	13.17	1.997	0.436
4/30/2012	13.05	3.22	0.25	33.03	23.99	5.04	14.16	1.924	0.461
5/31/2012	12.68	2.73	0.22	8.74	24.39	5.13	14.43	0.537	0.462
6/30/2012	11.45	2.43	0.21	20.10	24.73	5.20	15.04	1.369	0.475
7/31/2012	10.95	3.01	0.27	24.03	25.07	5.30	15.78	1.632	0.492
8/31/2012	10.06	3.12	0.31	32.10	25.38	5.39	16.77	2.312	0.516
9/30/2012	10.22	3.06	0.30	32.77	25.69	5.48	17.76	2.343	0.539
10/31/2012	9.92	2.43	0.24	37.84	26.00	5.56	18.93	2.901	0.567
11/30/2012	9.30	2.14	0.23	28.37	26.28	5.62	19.78	2.347	0.587
12/31/2012	8.98	2.35	0.26	29.35	26.55	5.70	20.69	2.457	0.607
1/31/2013	8.62	2.37	0.27	45.03	26.82	5.77	22.09	3.886	0.641
2/28/2013	8.61	1.98	0.23	41.18	27.06	5.82	23.24	3.682	0.669
3/31/2013	8.29	1.97	0.24	41.42	27.32	5.89	24.52	3.822	0.699
4/30/2013	8.36	2.19	0.26	41.70	27.57	5.95	25.78	3.747	0.727
5/31/2013	8.07	2.11	0.26	48.35	27.82	6.02	27.27	4.502	0.763
6/30/2013	8.57	3.02	0.35	48.50	28.08	6.11	28.73	3.981	0.795
7/31/2013	8.53	3.49	0.41	46.84	28.34	6.22	30.18	3.714	0.826
8/31/2013	8.90	3.81	0.43	46.32	28.62	6.33	31.62	3.474	0.856
9/30/2013	8.92	4.19	0.47	47.93	28.89	6.46	33.06	3.491	0.885
10/31/2013	8.88	4.09	0.46	34.32	29.16	6.59	34.12	2.528	0.903
11/30/2013	9.09	4.05	0.45	28.93	29.43	6.71	34.99	2.102	0.916

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
12/31/2013	8.96	3.92	0.44	30.39	29.71	6.83	35.93	2.251	0.931

# Pattern: 03/05-02-008-29Inj Set: Unit#3

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.39 m3/m3

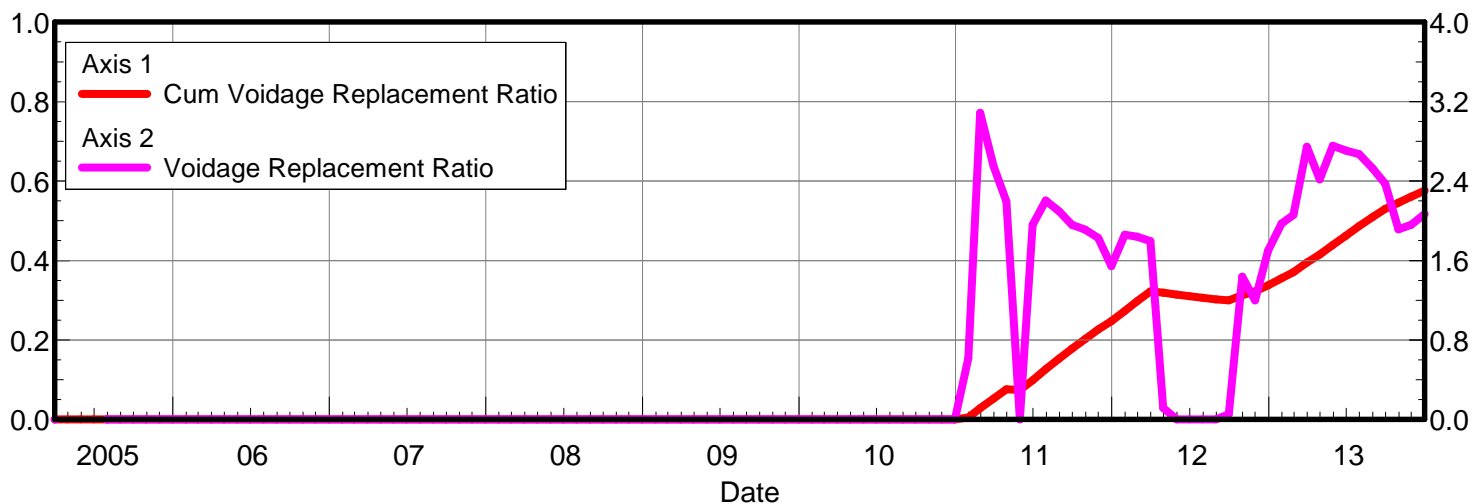
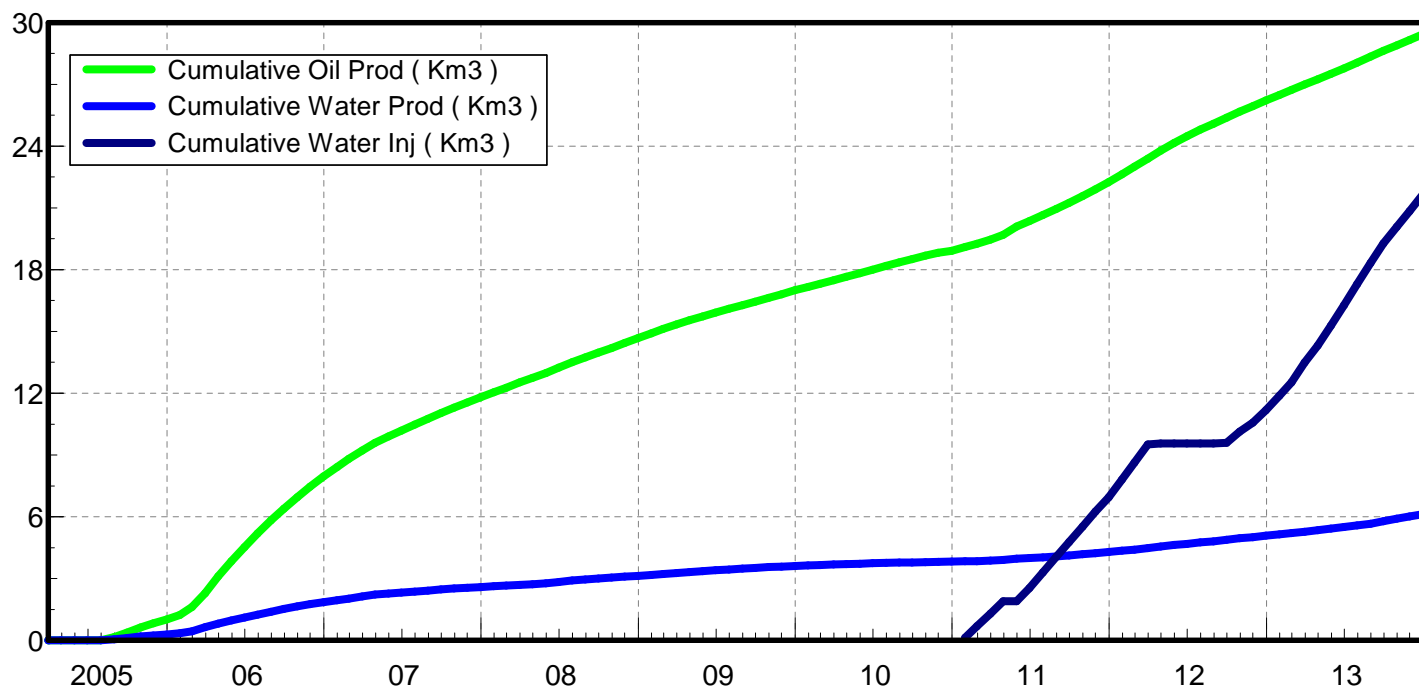
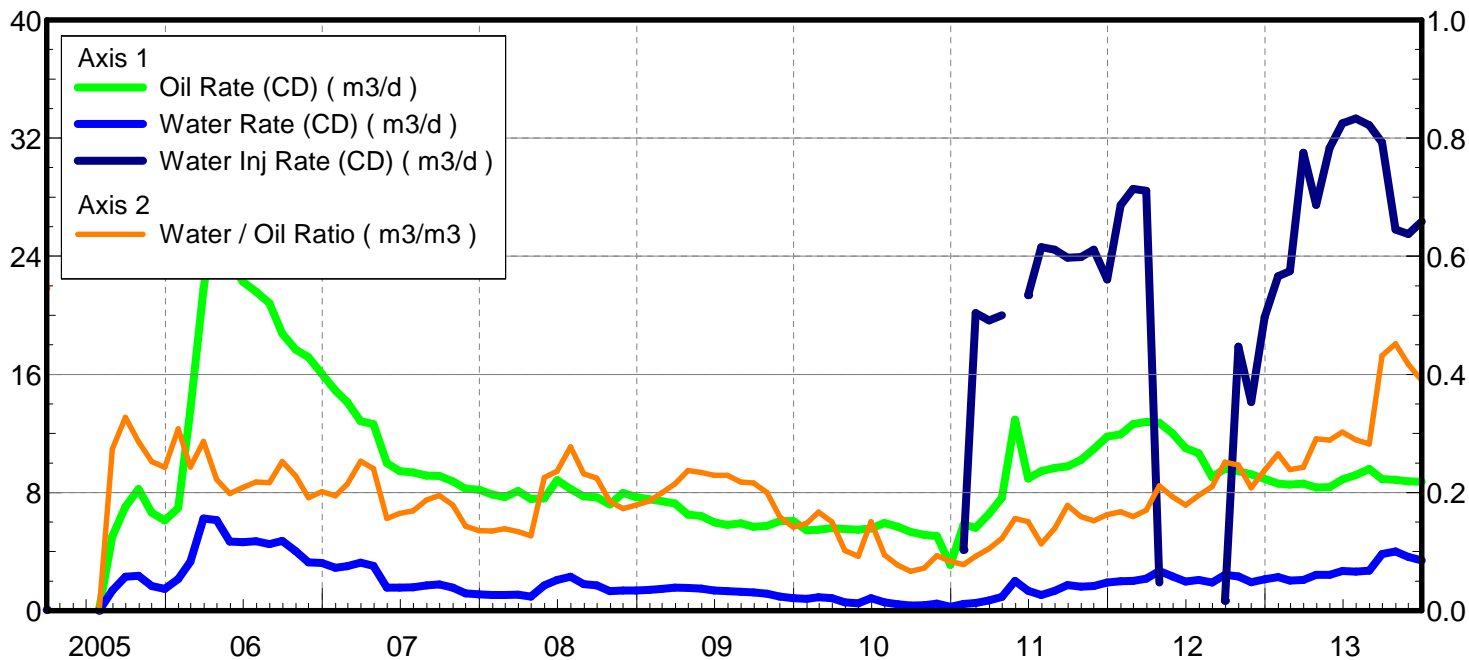
March 09, 2014

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 8.74 m3/d

Water Rate (CD) : 3.40 m3/d

Water Inj Rate (CD) : 26.35 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	0.09	0.05	0.55		0.00	0.00	0.00	0.000	0.000
7/31/2005	0.11	0.00	0.00		0.01	0.00	0.00	0.000	0.000
8/31/2005	5.03	1.38	0.27		0.16	0.04	0.00	0.000	0.000
9/30/2005	7.05	2.31	0.33		0.37	0.11	0.00	0.000	0.000
10/31/2005	8.23	2.35	0.29		0.63	0.19	0.00	0.000	0.000
11/30/2005	6.64	1.68	0.25		0.83	0.24	0.00	0.000	0.000
12/31/2005	6.12	1.49	0.24		1.02	0.28	0.00	0.000	0.000
1/31/2006	6.96	2.14	0.31		1.23	0.35	0.00	0.000	0.000
2/28/2006	13.63	3.31	0.24		1.62	0.44	0.00	0.000	0.000
3/31/2006	21.78	6.24	0.29		2.29	0.64	0.00	0.000	0.000
4/30/2006	27.59	6.13	0.22		3.12	0.82	0.00	0.000	0.000
5/31/2006	23.61	4.68	0.20		3.85	0.96	0.00	0.000	0.000
6/30/2006	22.28	4.65	0.21		4.52	1.10	0.00	0.000	0.000
7/31/2006	21.60	4.70	0.22		5.19	1.25	0.00	0.000	0.000
8/31/2006	20.82	4.51	0.22		5.83	1.39	0.00	0.000	0.000
9/30/2006	18.76	4.73	0.25		6.40	1.53	0.00	0.000	0.000
10/31/2006	17.67	4.03	0.23		6.94	1.66	0.00	0.000	0.000
11/30/2006	17.16	3.28	0.19		7.46	1.75	0.00	0.000	0.000
12/31/2006	16.03	3.23	0.20		7.96	1.85	0.00	0.000	0.000
1/31/2007	14.90	2.90	0.19		8.42	1.94	0.00	0.000	0.000
2/28/2007	14.13	3.02	0.21		8.81	2.03	0.00	0.000	0.000
3/31/2007	12.84	3.25	0.25		9.21	2.13	0.00	0.000	0.000
4/30/2007	12.62	3.04	0.24		9.59	2.22	0.00	0.000	0.000
5/31/2007	10.00	1.56	0.16		9.90	2.27	0.00	0.000	0.000
6/30/2007	9.44	1.56	0.16		10.18	2.32	0.00	0.000	0.000
7/31/2007	9.36	1.58	0.17		10.47	2.37	0.00	0.000	0.000
8/31/2007	9.14	1.72	0.19		10.76	2.42	0.00	0.000	0.000
9/30/2007	9.13	1.78	0.19		11.03	2.47	0.00	0.000	0.000
10/31/2007	8.75	1.56	0.18		11.30	2.52	0.00	0.000	0.000
11/30/2007	8.25	1.18	0.14		11.55	2.56	0.00	0.000	0.000
12/31/2007	8.19	1.11	0.14		11.80	2.59	0.00	0.000	0.000
1/31/2008	7.86	1.06	0.14		12.05	2.62	0.00	0.000	0.000
2/29/2008	7.70	1.07	0.14		12.27	2.65	0.00	0.000	0.000
3/31/2008	8.10	1.08	0.13		12.52	2.69	0.00	0.000	0.000
4/30/2008	7.56	0.96	0.13		12.75	2.72	0.00	0.000	0.000
5/31/2008	7.61	1.72	0.23		12.98	2.77	0.00	0.000	0.000
6/30/2008	8.84	2.09	0.24		13.25	2.83	0.00	0.000	0.000
7/31/2008	8.25	2.29	0.28		13.51	2.90	0.00	0.000	0.000
8/31/2008	7.73	1.79	0.23		13.74	2.96	0.00	0.000	0.000
9/30/2008	7.67	1.72	0.22		13.97	3.01	0.00	0.000	0.000
10/31/2008	7.19	1.33	0.18		14.20	3.05	0.00	0.000	0.000
11/30/2008	7.97	1.38	0.17		14.44	3.09	0.00	0.000	0.000
12/31/2008	7.70	1.37	0.18		14.68	3.14	0.00	0.000	0.000
1/31/2009	7.54	1.40	0.19		14.91	3.18	0.00	0.000	0.000
2/28/2009	7.42	1.48	0.20		15.12	3.22	0.00	0.000	0.000
3/31/2009	7.25	1.56	0.21		15.34	3.27	0.00	0.000	0.000
4/30/2009	6.50	1.54	0.24		15.54	3.31	0.00	0.000	0.000
5/31/2009	6.41	1.50	0.23		15.74	3.36	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	5.98	1.37	0.23		15.91	3.40	0.00	0.000	0.000
7/31/2009	5.82	1.33	0.23		16.09	3.44	0.00	0.000	0.000
8/31/2009	5.91	1.29	0.22		16.28	3.48	0.00	0.000	0.000
9/30/2009	5.68	1.23	0.22		16.45	3.52	0.00	0.000	0.000
10/31/2009	5.75	1.15	0.20		16.63	3.56	0.00	0.000	0.000
11/30/2009	6.06	0.96	0.16		16.81	3.58	0.00	0.000	0.000
12/31/2009	6.06	0.86	0.14		17.00	3.61	0.00	0.000	0.000
1/31/2010	5.45	0.81	0.15		17.17	3.64	0.00	0.000	0.000
2/28/2010	5.47	0.91	0.17		17.32	3.66	0.00	0.000	0.000
3/31/2010	5.60	0.84	0.15		17.49	3.69	0.00	0.000	0.000
4/30/2010	5.52	0.56	0.10		17.66	3.70	0.00	0.000	0.000
5/31/2010	5.49	0.50	0.09		17.83	3.72	0.00	0.000	0.000
6/30/2010	5.57	0.84	0.15		18.00	3.75	0.00	0.000	0.000
7/31/2010	5.94	0.56	0.09		18.18	3.76	0.00	0.000	0.000
8/31/2010	5.67	0.44	0.08		18.36	3.78	0.00	0.000	0.000
9/30/2010	5.34	0.36	0.07		18.52	3.79	0.00	0.000	0.000
10/31/2010	5.13	0.37	0.07		18.67	3.80	0.00	0.000	0.000
11/30/2010	5.05	0.47	0.09		18.83	3.81	0.00	0.000	0.000
12/31/2010	3.11	0.26	0.08		18.92	3.82	0.00	0.000	0.000
1/31/2011	5.84	0.46	0.08	4.13	19.10	3.84	0.13	0.616	0.005
2/28/2011	5.62	0.52	0.09	20.14	19.26	3.85	0.69	3.088	0.028
3/31/2011	6.56	0.69	0.11	19.65	19.46	3.87	1.30	2.548	0.053
4/30/2011	7.65	0.94	0.12	20.00	19.69	3.90	1.90	2.193	0.076
5/31/2011	12.93	2.02	0.16		20.09	3.96	1.90	0.000	0.075
6/30/2011	8.94	1.35	0.15	21.37	20.36	4.00	2.54	1.958	0.099
7/31/2011	9.45	1.07	0.11	24.61	20.66	4.04	3.31	2.203	0.127
8/31/2011	9.66	1.35	0.14	24.45	20.96	4.08	4.06	2.093	0.153
9/30/2011	9.78	1.74	0.18	23.90	21.25	4.13	4.78	1.960	0.178
10/31/2011	10.20	1.62	0.16	23.94	21.56	4.18	5.52	1.910	0.203
11/30/2011	10.94	1.67	0.15	24.43	21.89	4.23	6.25	1.829	0.226
12/31/2011	11.78	1.92	0.16	22.42	22.26	4.29	6.95	1.545	0.247
1/31/2012	11.94	2.00	0.17	27.45	22.63	4.35	7.80	1.859	0.273
2/29/2012	12.63	2.02	0.16	28.55	22.99	4.41	8.63	1.839	0.298
3/31/2012	12.78	2.17	0.17	28.42	23.39	4.48	9.51	1.795	0.322
4/30/2012	12.71	2.68	0.21	1.90	23.77	4.56	9.57	0.117	0.319
5/31/2012	12.00	2.31	0.19		24.14	4.63	9.57	0.000	0.314
6/30/2012	11.02	1.97	0.18		24.47	4.69	9.57	0.000	0.310
7/31/2012	10.66	2.08	0.19		24.80	4.75	9.57	0.000	0.306
8/31/2012	9.05	1.90	0.21		25.09	4.81	9.57	0.000	0.302
9/30/2012	9.62	2.42	0.25	0.67	25.37	4.88	9.59	0.052	0.299
10/31/2012	9.46	2.33	0.25	17.87	25.67	4.96	10.14	1.436	0.313
11/30/2012	9.23	1.92	0.21	14.13	25.94	5.01	10.57	1.198	0.323
12/31/2012	8.93	2.12	0.24	19.87	26.22	5.08	11.18	1.703	0.338
1/31/2013	8.61	2.28	0.27	22.65	26.49	5.15	11.88	1.971	0.355
2/28/2013	8.54	2.04	0.24	23.00	26.73	5.21	12.53	2.059	0.371
3/31/2013	8.61	2.09	0.24	31.00	26.99	5.27	13.49	2.745	0.395
4/30/2013	8.35	2.43	0.29	27.47	27.24	5.35	14.31	2.417	0.415
5/31/2013	8.37	2.42	0.29	31.32	27.50	5.42	15.28	2.754	0.439

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
6/30/2013	8.89	2.69	0.30	33.00	27.77	5.50	16.27	2.705	0.462
7/31/2013	9.18	2.65	0.29	33.32	28.06	5.58	17.31	2.671	0.486
8/31/2013	9.61	2.71	0.28	32.87	28.35	5.67	18.32	2.530	0.509
9/30/2013	8.90	3.84	0.43	31.70	28.62	5.78	19.28	2.373	0.530
10/31/2013	8.87	4.00	0.45	25.81	28.89	5.91	20.08	1.914	0.545
11/30/2013	8.76	3.65	0.42	25.50	29.16	6.02	20.84	1.958	0.560
12/31/2013	8.74	3.40	0.39	26.35	29.43	6.12	21.66	2.068	0.576

# Pattern: 02/12-02-008-29Inj Set: Unit#3

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.31 m3/m3

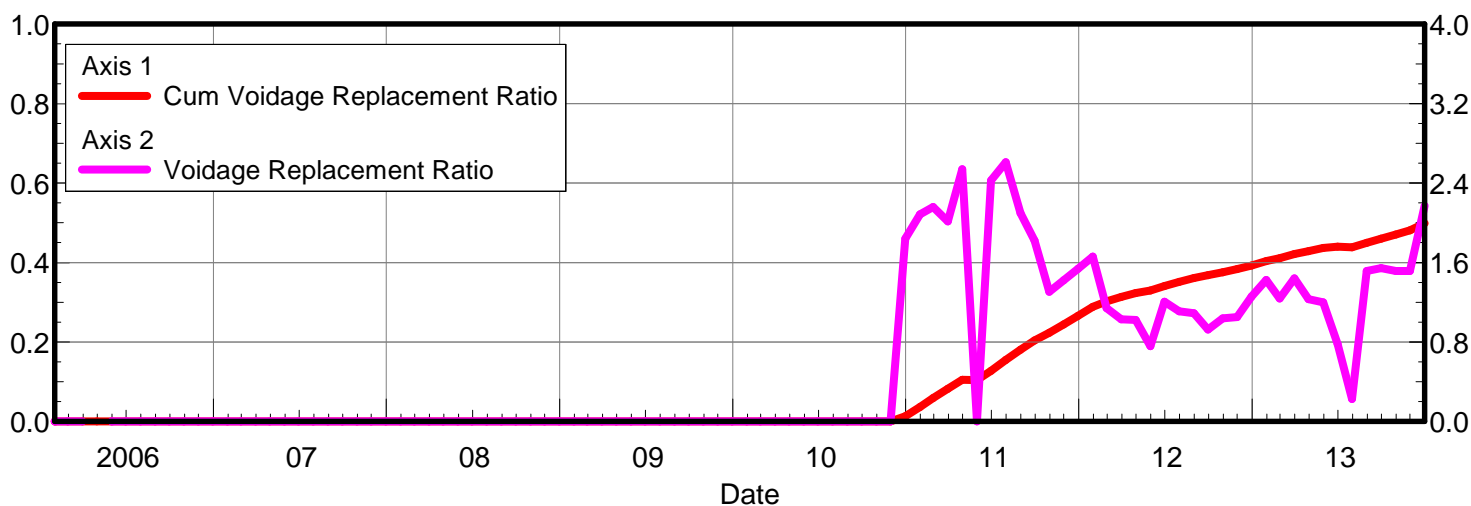
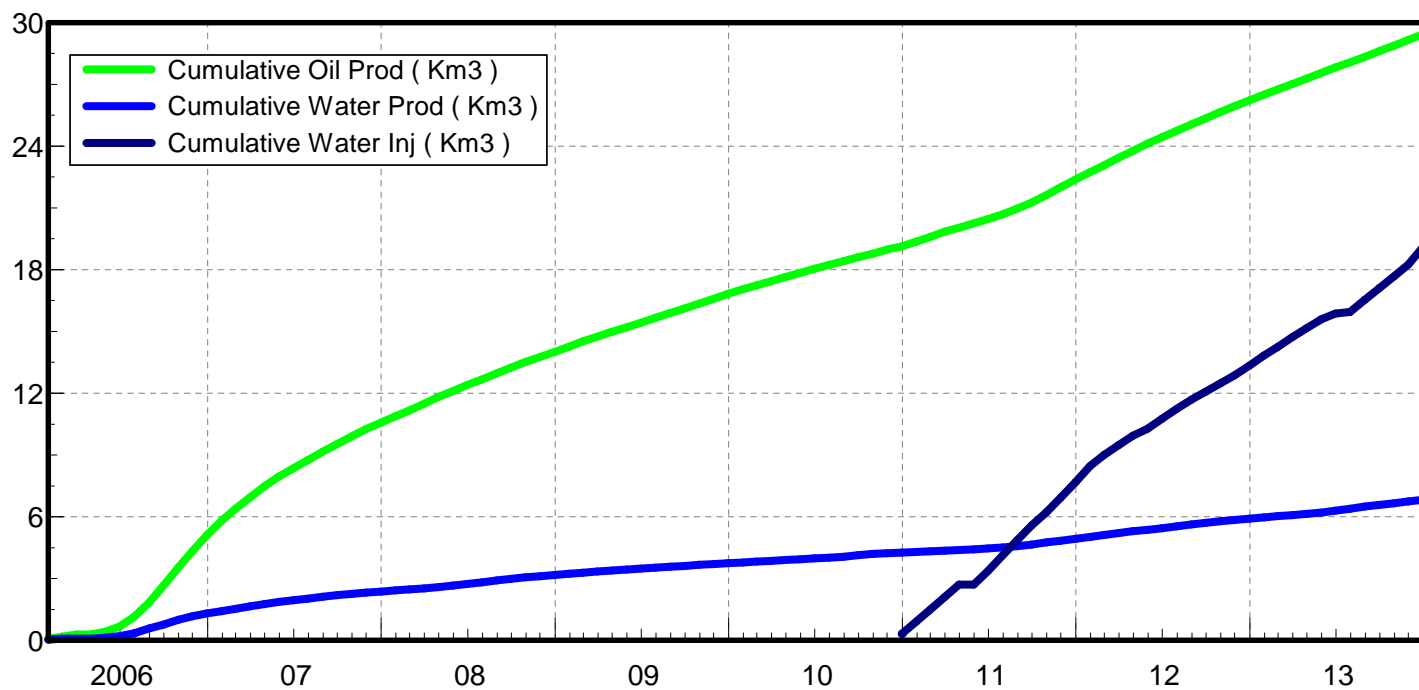
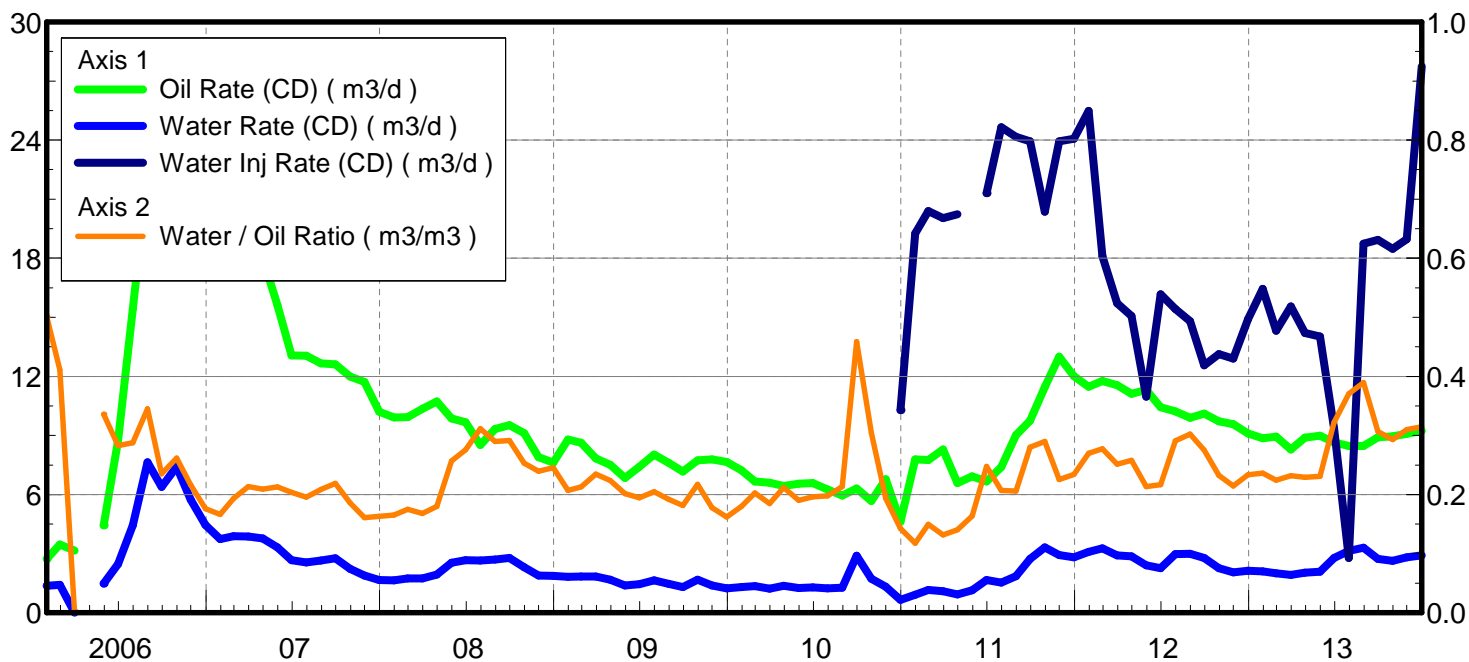
March 09, 2014

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 9.23 m3/d

Water Rate (CD) : 2.90 m3/d

Water Inj Rate (CD) : 27.74 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	2.73	1.37	0.50		0.08	0.04	0.00	0.000	0.000
2/28/2006	3.46	1.42	0.41		0.18	0.08	0.00	0.000	0.000
3/31/2006	3.16	0.00	0.00		0.28	0.08	0.00	0.000	0.000
5/31/2006	4.43	1.49	0.34		0.42	0.13	0.00	0.000	0.000
6/30/2006	8.74	2.47	0.28		0.68	0.20	0.00	0.000	0.000
7/31/2006	15.43	4.44	0.29		1.16	0.34	0.00	0.000	0.000
8/31/2006	22.13	7.63	0.34		1.84	0.58	0.00	0.000	0.000
9/30/2006	27.15	6.39	0.24		2.66	0.77	0.00	0.000	0.000
10/31/2006	28.35	7.41	0.26		3.54	1.00	0.00	0.000	0.000
11/30/2006	26.51	5.73	0.22		4.33	1.17	0.00	0.000	0.000
12/31/2006	25.30	4.45	0.18		5.12	1.31	0.00	0.000	0.000
1/31/2007	22.47	3.74	0.17		5.81	1.42	0.00	0.000	0.000
2/28/2007	20.09	3.88	0.19		6.37	1.53	0.00	0.000	0.000
3/31/2007	18.16	3.88	0.21		6.94	1.65	0.00	0.000	0.000
4/30/2007	18.03	3.77	0.21		7.48	1.77	0.00	0.000	0.000
5/31/2007	15.62	3.32	0.21		7.96	1.87	0.00	0.000	0.000
6/30/2007	13.07	2.67	0.20		8.36	1.95	0.00	0.000	0.000
7/31/2007	13.05	2.55	0.20		8.76	2.03	0.00	0.000	0.000
8/31/2007	12.67	2.65	0.21		9.15	2.11	0.00	0.000	0.000
9/30/2007	12.61	2.76	0.22		9.53	2.19	0.00	0.000	0.000
10/31/2007	12.00	2.23	0.19		9.90	2.26	0.00	0.000	0.000
11/30/2007	11.71	1.89	0.16		10.25	2.32	0.00	0.000	0.000
12/31/2007	10.21	1.66	0.16		10.57	2.37	0.00	0.000	0.000
1/31/2008	9.91	1.64	0.17		10.88	2.42	0.00	0.000	0.000
2/29/2008	9.92	1.74	0.18		11.17	2.47	0.00	0.000	0.000
3/31/2008	10.35	1.74	0.17		11.49	2.53	0.00	0.000	0.000
4/30/2008	10.73	1.93	0.18		11.81	2.58	0.00	0.000	0.000
5/31/2008	9.87	2.54	0.26		12.11	2.66	0.00	0.000	0.000
6/30/2008	9.67	2.67	0.28		12.40	2.74	0.00	0.000	0.000
7/31/2008	8.51	2.65	0.31		12.67	2.82	0.00	0.000	0.000
8/31/2008	9.33	2.70	0.29		12.96	2.91	0.00	0.000	0.000
9/30/2008	9.52	2.77	0.29		13.24	2.99	0.00	0.000	0.000
10/31/2008	9.12	2.31	0.25		13.53	3.06	0.00	0.000	0.000
11/30/2008	7.91	1.89	0.24		13.76	3.12	0.00	0.000	0.000
12/31/2008	7.63	1.87	0.25		14.00	3.18	0.00	0.000	0.000
1/31/2009	8.80	1.82	0.21		14.27	3.23	0.00	0.000	0.000
2/28/2009	8.63	1.84	0.21		14.51	3.29	0.00	0.000	0.000
3/31/2009	7.84	1.84	0.23		14.76	3.34	0.00	0.000	0.000
4/30/2009	7.50	1.68	0.22		14.98	3.39	0.00	0.000	0.000
5/31/2009	6.85	1.38	0.20		15.19	3.44	0.00	0.000	0.000
6/30/2009	7.41	1.44	0.19		15.42	3.48	0.00	0.000	0.000
7/31/2009	8.04	1.65	0.20		15.67	3.53	0.00	0.000	0.000
8/31/2009	7.61	1.46	0.19		15.90	3.58	0.00	0.000	0.000
9/30/2009	7.17	1.30	0.18		16.12	3.61	0.00	0.000	0.000
10/31/2009	7.74	1.68	0.22		16.36	3.67	0.00	0.000	0.000
11/30/2009	7.79	1.39	0.18		16.59	3.71	0.00	0.000	0.000
12/31/2009	7.66	1.24	0.16		16.83	3.75	0.00	0.000	0.000
1/31/2010	7.23	1.30	0.18		17.05	3.79	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
2/28/2010	6.66	1.35	0.20		17.24	3.82	0.00	0.000	0.000
3/31/2010	6.60	1.22	0.18		17.44	3.86	0.00	0.000	0.000
4/30/2010	6.43	1.36	0.21		17.64	3.90	0.00	0.000	0.000
5/31/2010	6.55	1.25	0.19		17.84	3.94	0.00	0.000	0.000
6/30/2010	6.59	1.29	0.20		18.04	3.98	0.00	0.000	0.000
7/31/2010	6.26	1.24	0.20		18.23	4.02	0.00	0.000	0.000
8/31/2010	5.95	1.27	0.21		18.42	4.06	0.00	0.000	0.000
9/30/2010	6.31	2.89	0.46		18.60	4.15	0.00	0.000	0.000
10/31/2010	5.68	1.73	0.30		18.78	4.20	0.00	0.000	0.000
11/30/2010	6.78	1.31	0.19		18.98	4.24	0.00	0.000	0.000
12/31/2010	4.61	0.66	0.14	10.29	19.13	4.26	0.32	1.842	0.013
1/31/2011	7.78	0.91	0.12	19.26	19.37	4.29	0.92	2.086	0.037
2/28/2011	7.75	1.16	0.15	20.39	19.59	4.32	1.49	2.159	0.059
3/31/2011	8.29	1.09	0.13	20.03	19.84	4.35	2.11	2.013	0.082
4/30/2011	6.58	0.93	0.14	20.23	20.04	4.38	2.71	2.540	0.105
5/31/2011	6.93	1.13	0.16		20.25	4.42	2.71	0.000	0.104
6/30/2011	6.67	1.65	0.25	21.30	20.45	4.47	3.35	2.425	0.127
7/31/2011	7.40	1.53	0.21	24.65	20.68	4.51	4.12	2.609	0.155
8/31/2011	9.03	1.86	0.21	24.16	20.96	4.57	4.87	2.099	0.180
9/30/2011	9.74	2.73	0.28	23.93	21.26	4.65	5.59	1.820	0.204
10/31/2011	11.46	3.32	0.29	20.35	21.61	4.76	6.22	1.306	0.223
11/30/2011	13.00	2.93	0.23	23.93	22.00	4.84	6.93	1.422	0.244
12/31/2011	12.01	2.81	0.23	24.06	22.37	4.93	7.68	1.536	0.266
1/31/2012	11.47	3.10	0.27	25.48	22.73	5.03	8.47	1.659	0.289
2/29/2012	11.77	3.27	0.28	18.10	23.07	5.12	8.99	1.142	0.302
3/31/2012	11.56	2.90	0.25	15.71	23.43	5.21	9.48	1.029	0.313
4/30/2012	11.11	2.87	0.26	15.07	23.76	5.30	9.93	1.022	0.323
5/31/2012	11.30	2.41	0.21	10.97	24.11	5.37	10.27	0.756	0.330
6/30/2012	10.44	2.26	0.22	16.17	24.43	5.44	10.76	1.204	0.341
7/31/2012	10.22	2.97	0.29	15.42	24.74	5.53	11.24	1.109	0.351
8/31/2012	9.90	3.00	0.30	14.81	25.05	5.62	11.70	1.090	0.361
9/30/2012	10.10	2.78	0.27	12.57	25.35	5.71	12.07	0.925	0.368
10/31/2012	9.72	2.26	0.23	13.13	25.65	5.78	12.48	1.038	0.376
11/30/2012	9.56	2.05	0.21	12.90	25.94	5.84	12.87	1.050	0.383
12/31/2012	9.10	2.12	0.23	14.90	26.22	5.91	13.33	1.257	0.393
1/31/2013	8.85	2.09	0.24	16.45	26.50	5.97	13.84	1.423	0.403
2/28/2013	8.94	2.01	0.22	14.32	26.75	6.03	14.24	1.238	0.411
3/31/2013	8.30	1.92	0.23	15.55	27.01	6.09	14.72	1.440	0.421
4/30/2013	8.88	2.04	0.23	14.20	27.27	6.15	15.15	1.231	0.429
5/31/2013	8.99	2.08	0.23	14.03	27.55	6.21	15.58	1.200	0.437
6/30/2013	8.64	2.78	0.32	9.37	27.81	6.30	15.86	0.779	0.440
7/31/2013	8.47	3.14	0.37	2.77	28.07	6.39	15.95	0.227	0.438
8/31/2013	8.47	3.30	0.39	18.74	28.34	6.49	16.53	1.516	0.449
9/30/2013	8.91	2.73	0.31	18.93	28.60	6.58	17.10	1.545	0.460
10/31/2013	8.96	2.63	0.29	18.48	28.88	6.66	17.67	1.514	0.471
11/30/2013	9.09	2.82	0.31	18.97	29.15	6.74	18.24	1.513	0.481
12/31/2013	9.23	2.90	0.31	27.74	29.44	6.83	19.10	2.171	0.499

# Pattern: 02/13-02-008-29Inj Set: Unit#3

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.29 m3/m3

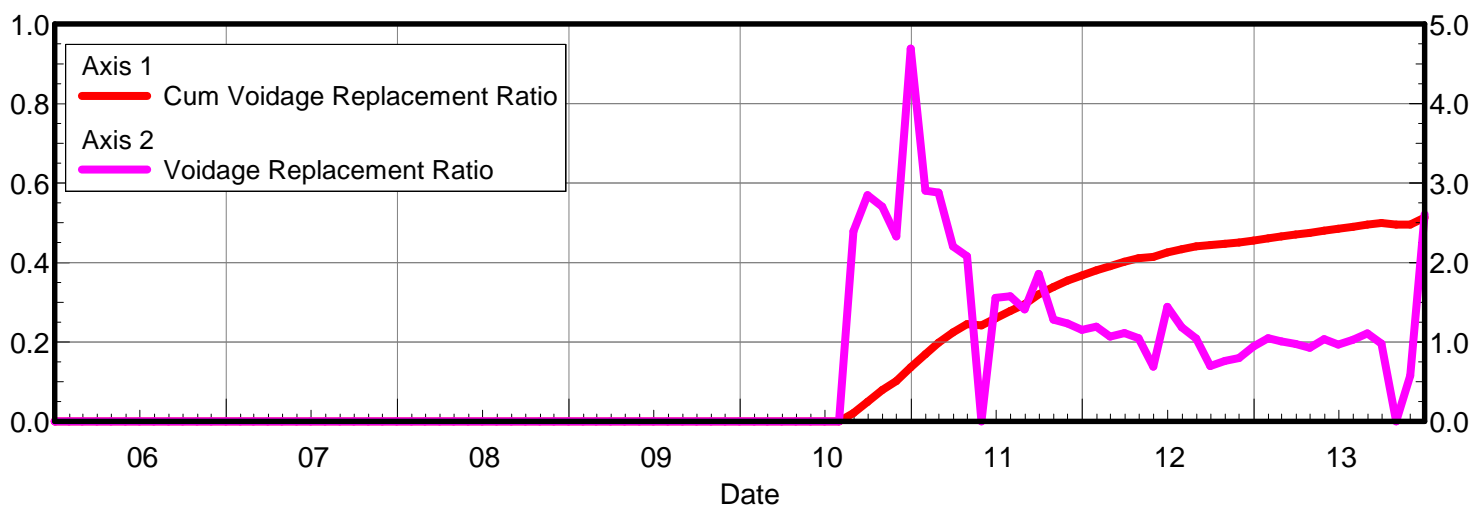
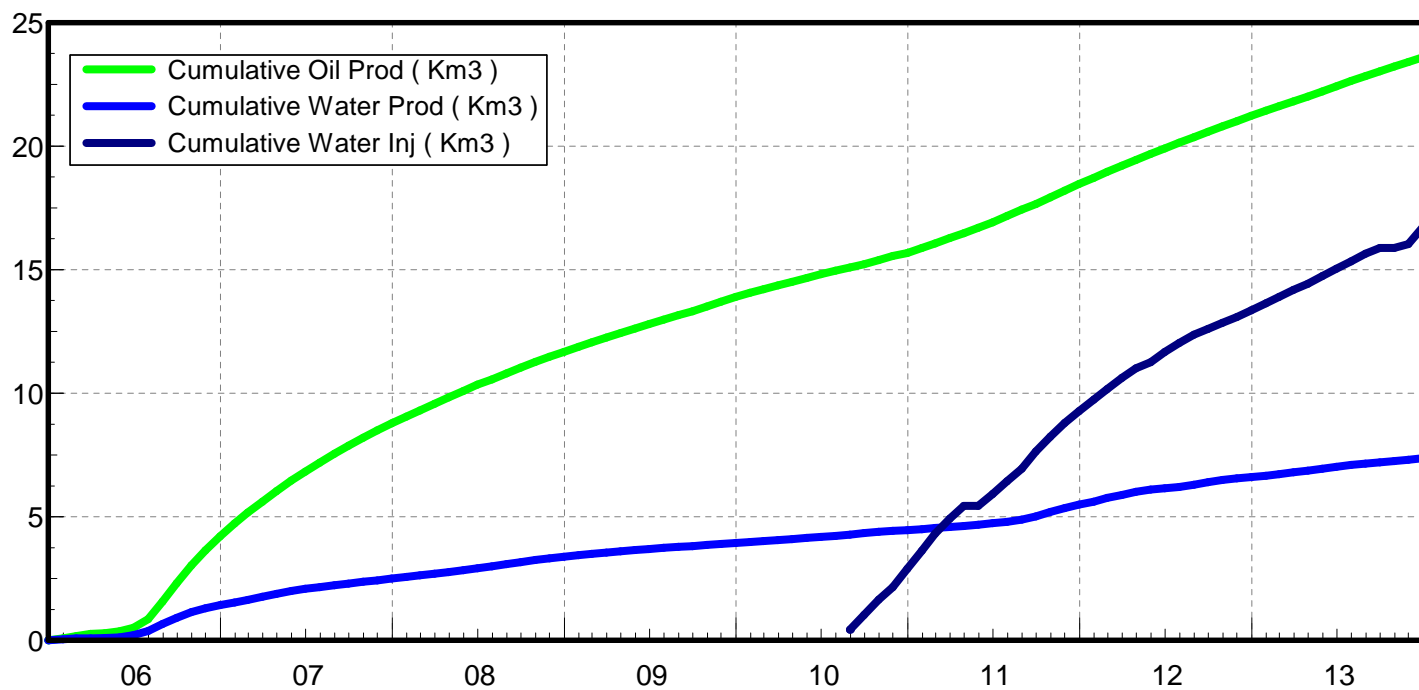
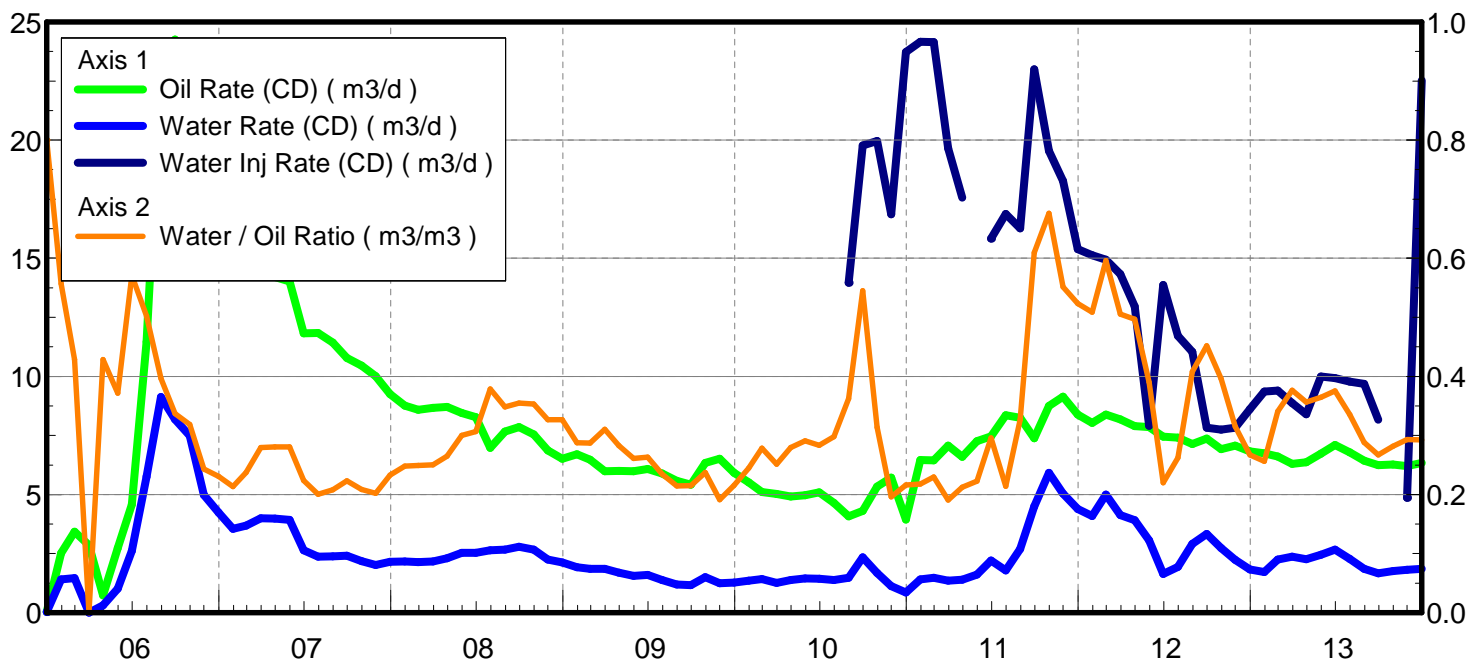
March 09, 2014

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 6.34 m3/d

Water Rate (CD) : 1.86 m3/d

Water Inj Rate (CD) : 22.52 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
12/31/2005	0.04	0.03	0.80		0.00	0.00	0.00	0.000	0.000
1/31/2006	2.52	1.40	0.56		0.08	0.04	0.00	0.000	0.000
2/28/2006	3.43	1.47	0.43		0.18	0.09	0.00	0.000	0.000
3/31/2006	2.85	0.00	0.00		0.26	0.09	0.00	0.000	0.000
4/30/2006	0.73	0.31	0.43		0.29	0.10	0.00	0.000	0.000
5/31/2006	2.73	1.02	0.37		0.37	0.13	0.00	0.000	0.000
6/30/2006	4.58	2.62	0.57		0.51	0.21	0.00	0.000	0.000
7/31/2006	11.46	5.75	0.50		0.86	0.38	0.00	0.000	0.000
8/31/2006	23.01	9.13	0.40		1.58	0.67	0.00	0.000	0.000
9/30/2006	24.25	8.18	0.34		2.30	0.91	0.00	0.000	0.000
10/31/2006	23.53	7.49	0.32		3.03	1.14	0.00	0.000	0.000
11/30/2006	20.46	4.98	0.24		3.65	1.29	0.00	0.000	0.000
12/31/2006	18.39	4.24	0.23		4.22	1.42	0.00	0.000	0.000
1/31/2007	16.63	3.55	0.21		4.73	1.53	0.00	0.000	0.000
2/28/2007	15.52	3.68	0.24		5.17	1.64	0.00	0.000	0.000
3/31/2007	14.30	4.00	0.28		5.61	1.76	0.00	0.000	0.000
4/30/2007	14.20	3.99	0.28		6.04	1.88	0.00	0.000	0.000
5/31/2007	14.02	3.93	0.28		6.47	2.00	0.00	0.000	0.000
6/30/2007	11.82	2.64	0.22		6.83	2.08	0.00	0.000	0.000
7/31/2007	11.84	2.37	0.20		7.19	2.16	0.00	0.000	0.000
8/31/2007	11.43	2.38	0.21		7.55	2.23	0.00	0.000	0.000
9/30/2007	10.78	2.40	0.22		7.87	2.30	0.00	0.000	0.000
10/31/2007	10.45	2.18	0.21		8.19	2.37	0.00	0.000	0.000
11/30/2007	10.02	2.02	0.20		8.50	2.43	0.00	0.000	0.000
12/31/2007	9.25	2.16	0.23		8.78	2.50	0.00	0.000	0.000
1/31/2008	8.77	2.17	0.25		9.05	2.56	0.00	0.000	0.000
2/29/2008	8.59	2.14	0.25		9.30	2.63	0.00	0.000	0.000
3/31/2008	8.67	2.17	0.25		9.57	2.69	0.00	0.000	0.000
4/30/2008	8.71	2.31	0.27		9.83	2.76	0.00	0.000	0.000
5/31/2008	8.45	2.54	0.30		10.10	2.84	0.00	0.000	0.000
6/30/2008	8.28	2.54	0.31		10.34	2.92	0.00	0.000	0.000
7/31/2008	6.98	2.64	0.38		10.56	3.00	0.00	0.000	0.000
8/31/2008	7.67	2.67	0.35		10.80	3.08	0.00	0.000	0.000
9/30/2008	7.85	2.79	0.35		11.03	3.17	0.00	0.000	0.000
10/31/2008	7.54	2.66	0.35		11.27	3.25	0.00	0.000	0.000
11/30/2008	6.87	2.24	0.33		11.47	3.32	0.00	0.000	0.000
12/31/2008	6.51	2.13	0.33		11.67	3.38	0.00	0.000	0.000
1/31/2009	6.70	1.93	0.29		11.88	3.44	0.00	0.000	0.000
2/28/2009	6.47	1.86	0.29		12.06	3.49	0.00	0.000	0.000
3/31/2009	5.99	1.86	0.31		12.25	3.55	0.00	0.000	0.000
4/30/2009	6.01	1.70	0.28		12.43	3.60	0.00	0.000	0.000
5/31/2009	5.98	1.56	0.26		12.61	3.65	0.00	0.000	0.000
6/30/2009	6.08	1.60	0.26		12.80	3.70	0.00	0.000	0.000
7/31/2009	5.90	1.38	0.23		12.98	3.74	0.00	0.000	0.000
8/31/2009	5.58	1.20	0.21		13.15	3.78	0.00	0.000	0.000
9/30/2009	5.42	1.17	0.21		13.32	3.81	0.00	0.000	0.000
10/31/2009	6.34	1.50	0.24		13.51	3.86	0.00	0.000	0.000
11/30/2009	6.52	1.25	0.19		13.71	3.90	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
12/31/2009	5.92	1.28	0.22		13.89	3.94	0.00	0.000	0.000
1/31/2010	5.51	1.35	0.25		14.06	3.98	0.00	0.000	0.000
2/28/2010	5.11	1.42	0.28		14.21	4.02	0.00	0.000	0.000
3/31/2010	5.03	1.26	0.25		14.36	4.06	0.00	0.000	0.000
4/30/2010	4.92	1.38	0.28		14.51	4.10	0.00	0.000	0.000
5/31/2010	4.96	1.44	0.29		14.66	4.14	0.00	0.000	0.000
6/30/2010	5.09	1.44	0.28		14.82	4.19	0.00	0.000	0.000
7/31/2010	4.65	1.39	0.30		14.96	4.23	0.00	0.000	0.000
8/31/2010	4.07	1.48	0.36	13.96	15.09	4.28	0.43	2.394	0.021
9/30/2010	4.30	2.35	0.55	19.77	15.22	4.35	1.03	2.847	0.050
10/31/2010	5.34	1.68	0.31	19.97	15.38	4.40	1.65	2.704	0.079
11/30/2010	5.72	1.12	0.20	16.86	15.55	4.43	2.15	2.329	0.102
12/31/2010	3.94	0.85	0.22	23.73	15.67	4.46	2.89	4.691	0.136
1/31/2011	6.46	1.41	0.22	24.16	15.87	4.50	3.64	2.906	0.169
2/28/2011	6.45	1.48	0.23	24.14	16.06	4.54	4.31	2.879	0.199
3/31/2011	7.07	1.35	0.19	19.65	16.27	4.59	4.92	2.205	0.224
4/30/2011	6.60	1.40	0.21	17.57	16.47	4.63	5.45	2.077	0.245
5/31/2011	7.25	1.61	0.22		16.70	4.68	5.45	0.000	0.242
6/30/2011	7.46	2.21	0.30	15.83	16.92	4.74	5.92	1.554	0.259
7/31/2011	8.35	1.79	0.21	16.87	17.18	4.80	6.45	1.574	0.278
8/31/2011	8.25	2.70	0.33	16.26	17.44	4.88	6.95	1.411	0.295
9/30/2011	7.38	4.50	0.61	23.00	17.66	5.02	7.64	1.856	0.320
10/31/2011	8.75	5.91	0.68	19.55	17.93	5.20	8.25	1.281	0.338
11/30/2011	9.15	5.04	0.55	18.27	18.20	5.35	8.79	1.232	0.354
12/31/2011	8.38	4.39	0.52	15.39	18.46	5.49	9.27	1.152	0.367
1/31/2012	8.04	4.09	0.51	15.13	18.71	5.62	9.74	1.193	0.380
2/29/2012	8.38	4.99	0.60	14.93	18.95	5.76	10.17	1.070	0.391
3/31/2012	8.18	4.14	0.51	14.32	19.21	5.89	10.62	1.111	0.402
4/30/2012	7.89	3.92	0.50	12.97	19.45	6.01	11.01	1.049	0.411
5/31/2012	7.85	3.06	0.39	7.90	19.69	6.10	11.25	0.690	0.414
6/30/2012	7.45	1.64	0.22	13.87	19.91	6.15	11.67	1.444	0.425
7/31/2012	7.41	1.94	0.26	11.71	20.14	6.21	12.03	1.186	0.433
8/31/2012	7.14	2.91	0.41	11.03	20.36	6.30	12.37	1.046	0.441
9/30/2012	7.37	3.33	0.45	7.83	20.58	6.40	12.61	0.698	0.444
10/31/2012	6.92	2.74	0.40	7.74	20.80	6.49	12.85	0.764	0.447
11/30/2012	7.07	2.23	0.32	7.83	21.01	6.55	13.08	0.800	0.451
12/31/2012	6.83	1.82	0.27	8.61	21.22	6.61	13.35	0.944	0.456
1/31/2013	6.74	1.73	0.26	9.35	21.43	6.66	13.64	1.047	0.461
2/28/2013	6.60	2.25	0.34	9.39	21.62	6.73	13.90	1.009	0.466
3/31/2013	6.30	2.37	0.38	8.87	21.81	6.80	14.18	0.974	0.471
4/30/2013	6.37	2.27	0.36	8.40	22.00	6.87	14.43	0.925	0.475
5/31/2013	6.73	2.45	0.36	10.00	22.21	6.94	14.74	1.036	0.480
6/30/2013	7.09	2.66	0.38	9.93	22.42	7.02	15.04	0.969	0.485
7/31/2013	6.78	2.27	0.34	9.77	22.63	7.09	15.34	1.026	0.490
8/31/2013	6.44	1.86	0.29	9.68	22.83	7.15	15.64	1.107	0.495
9/30/2013	6.24	1.67	0.27	8.17	23.02	7.20	15.88	0.979	0.499
10/31/2013	6.28	1.77	0.28		23.22	7.26	15.88	0.000	0.495
11/30/2013	6.20	1.81	0.29	4.87	23.40	7.31	16.03	0.576	0.496

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
12/31/2013	6.34	1.86	0.29	22.52	23.60	7.37	16.73	2.606	0.513

# Pattern: 02/01-03-008-29Inj Set: Unit#3

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.30 m3/m3

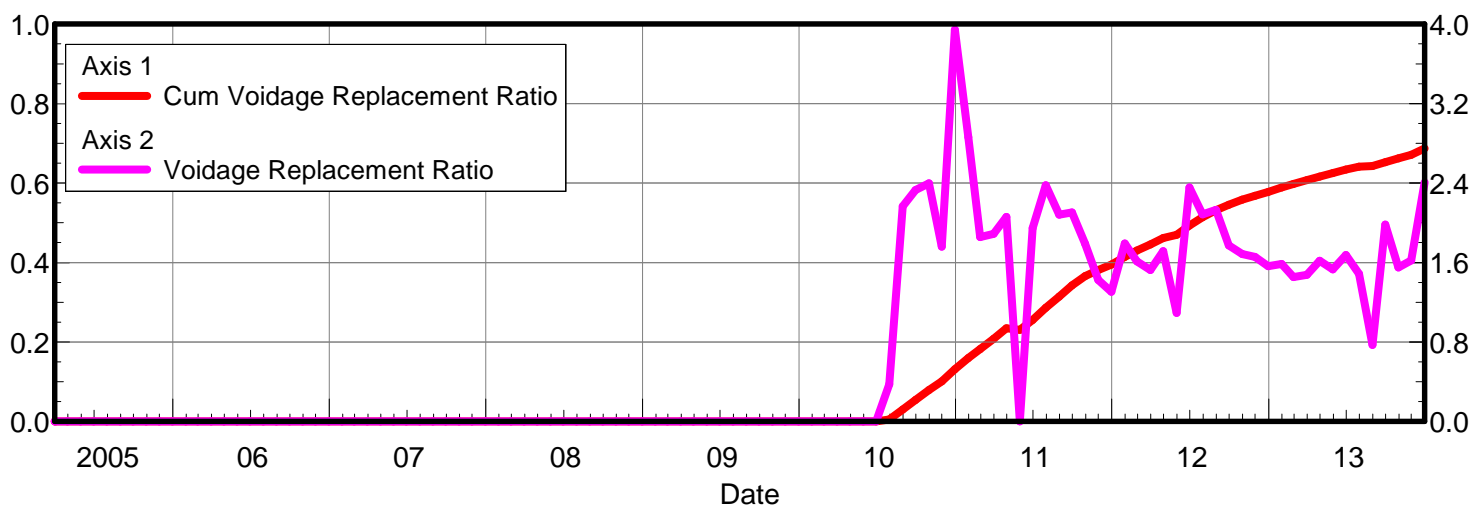
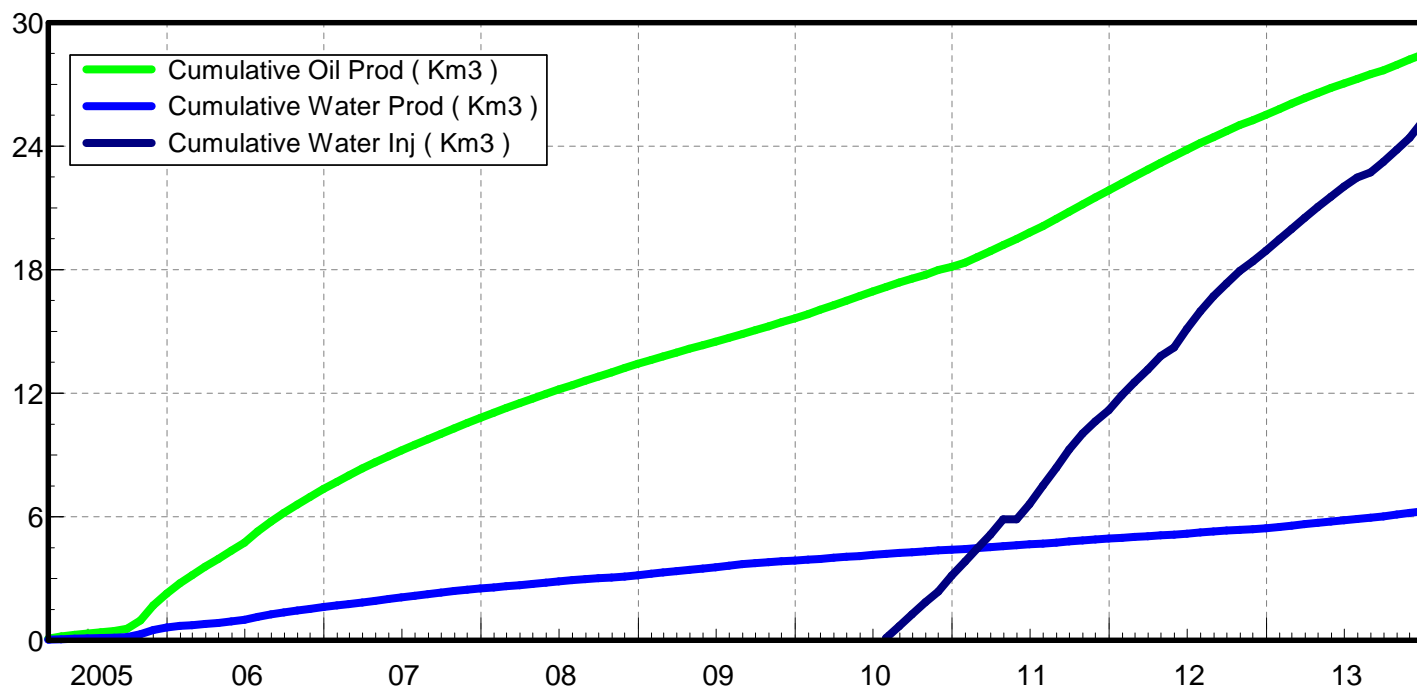
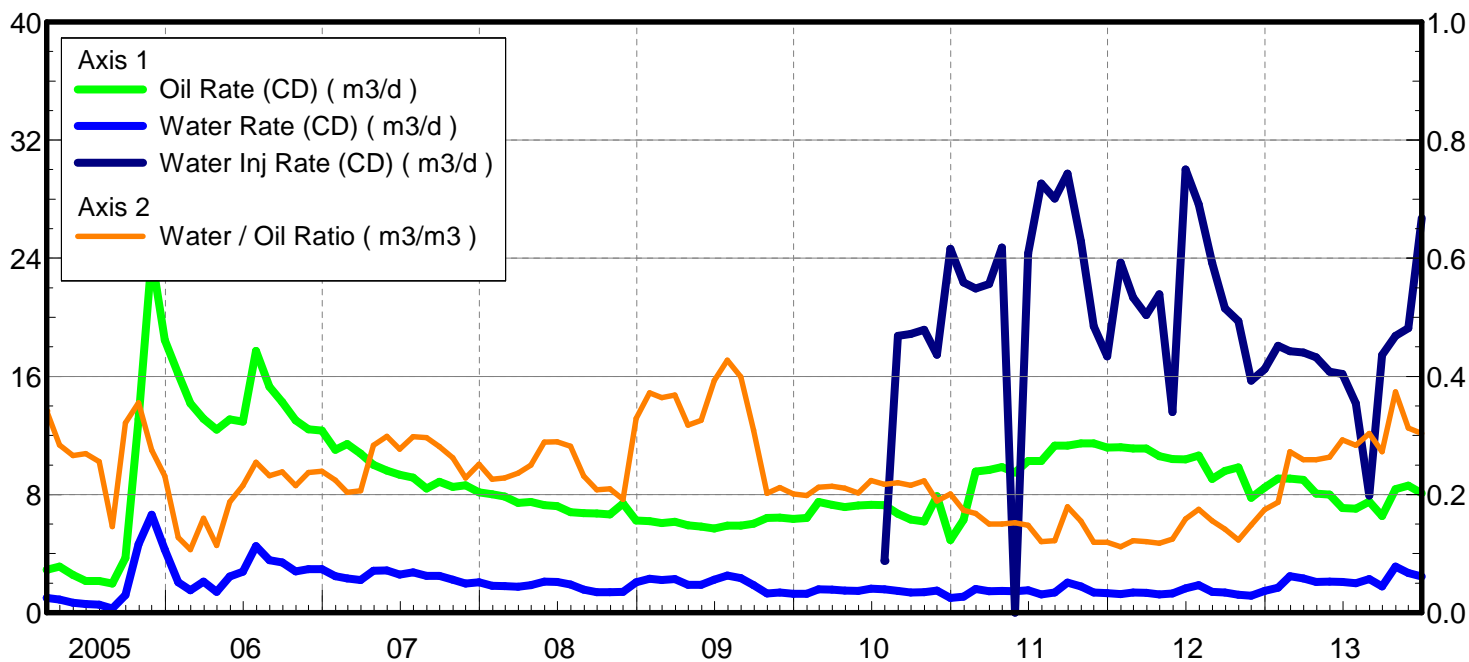
March 12, 2014

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 8.09 m3/d

Water Rate (CD) : 2.46 m3/d

Water Inj Rate (CD) : 26.71 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	2.90	0.99	0.34		0.09	0.03	0.00	0.000	0.000
4/30/2005	3.13	0.89	0.28		0.18	0.06	0.00	0.000	0.000
5/31/2005	2.57	0.68	0.27		0.26	0.08	0.00	0.000	0.000
6/30/2005	2.15	0.58	0.27		0.33	0.10	0.00	0.000	0.000
7/31/2005	2.15	0.55	0.26		0.39	0.11	0.00	0.000	0.000
8/31/2005	1.98	0.29	0.15		0.46	0.12	0.00	0.000	0.000
9/30/2005	3.71	1.19	0.32		0.57	0.16	0.00	0.000	0.000
10/31/2005	13.08	4.65	0.36		0.97	0.30	0.00	0.000	0.000
11/30/2005	24.10	6.63	0.28		1.70	0.50	0.00	0.000	0.000
12/31/2005	18.46	4.27	0.23		2.27	0.63	0.00	0.000	0.000
1/31/2006	16.17	2.06	0.13		2.77	0.70	0.00	0.000	0.000
2/28/2006	14.18	1.51	0.11		3.17	0.74	0.00	0.000	0.000
3/31/2006	13.13	2.10	0.16		3.57	0.80	0.00	0.000	0.000
4/30/2006	12.40	1.42	0.11		3.95	0.85	0.00	0.000	0.000
5/31/2006	13.09	2.45	0.19		4.35	0.92	0.00	0.000	0.000
6/30/2006	12.94	2.79	0.22		4.74	1.01	0.00	0.000	0.000
7/31/2006	17.71	4.51	0.25		5.29	1.15	0.00	0.000	0.000
8/31/2006	15.29	3.55	0.23		5.76	1.26	0.00	0.000	0.000
9/30/2006	14.25	3.39	0.24		6.19	1.36	0.00	0.000	0.000
10/31/2006	13.02	2.80	0.22		6.59	1.45	0.00	0.000	0.000
11/30/2006	12.41	2.94	0.24		6.97	1.53	0.00	0.000	0.000
12/31/2006	12.34	2.95	0.24		7.35	1.62	0.00	0.000	0.000
1/31/2007	11.02	2.47	0.22		7.69	1.70	0.00	0.000	0.000
2/28/2007	11.42	2.33	0.20		8.01	1.77	0.00	0.000	0.000
3/31/2007	10.76	2.22	0.21		8.34	1.84	0.00	0.000	0.000
4/30/2007	10.02	2.84	0.28		8.64	1.92	0.00	0.000	0.000
5/31/2007	9.62	2.87	0.30		8.94	2.01	0.00	0.000	0.000
6/30/2007	9.33	2.59	0.28		9.22	2.09	0.00	0.000	0.000
7/31/2007	9.14	2.72	0.30		9.51	2.17	0.00	0.000	0.000
8/31/2007	8.40	2.49	0.30		9.77	2.25	0.00	0.000	0.000
9/30/2007	8.86	2.49	0.28		10.03	2.32	0.00	0.000	0.000
10/31/2007	8.52	2.24	0.26		10.30	2.39	0.00	0.000	0.000
11/30/2007	8.62	1.97	0.23		10.55	2.45	0.00	0.000	0.000
12/31/2007	8.16	2.05	0.25		10.81	2.52	0.00	0.000	0.000
1/31/2008	8.02	1.81	0.23		11.06	2.57	0.00	0.000	0.000
2/29/2008	7.87	1.79	0.23		11.28	2.62	0.00	0.000	0.000
3/31/2008	7.44	1.76	0.24		11.52	2.68	0.00	0.000	0.000
4/30/2008	7.49	1.87	0.25		11.74	2.73	0.00	0.000	0.000
5/31/2008	7.29	2.10	0.29		11.97	2.80	0.00	0.000	0.000
6/30/2008	7.22	2.09	0.29		12.18	2.86	0.00	0.000	0.000
7/31/2008	6.81	1.92	0.28		12.39	2.92	0.00	0.000	0.000
8/31/2008	6.74	1.56	0.23		12.60	2.97	0.00	0.000	0.000
9/30/2008	6.71	1.40	0.21		12.80	3.01	0.00	0.000	0.000
10/31/2008	6.66	1.40	0.21		13.01	3.06	0.00	0.000	0.000
11/30/2008	7.40	1.42	0.19		13.23	3.10	0.00	0.000	0.000
12/31/2008	6.24	2.05	0.33		13.43	3.16	0.00	0.000	0.000
1/31/2009	6.20	2.31	0.37		13.62	3.23	0.00	0.000	0.000
2/28/2009	6.07	2.21	0.36		13.79	3.29	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	6.16	2.27	0.37		13.98	3.36	0.00	0.000	0.000
4/30/2009	5.91	1.88	0.32		14.16	3.42	0.00	0.000	0.000
5/31/2009	5.83	1.90	0.33		14.34	3.48	0.00	0.000	0.000
6/30/2009	5.71	2.24	0.39		14.51	3.55	0.00	0.000	0.000
7/31/2009	5.89	2.52	0.43		14.69	3.63	0.00	0.000	0.000
8/31/2009	5.89	2.35	0.40		14.87	3.70	0.00	0.000	0.000
9/30/2009	6.03	1.86	0.31		15.05	3.75	0.00	0.000	0.000
10/31/2009	6.42	1.30	0.20		15.25	3.79	0.00	0.000	0.000
11/30/2009	6.45	1.37	0.21		15.45	3.84	0.00	0.000	0.000
12/31/2009	6.35	1.28	0.20		15.64	3.87	0.00	0.000	0.000
1/31/2010	6.41	1.27	0.20		15.84	3.91	0.00	0.000	0.000
2/28/2010	7.49	1.59	0.21		16.05	3.96	0.00	0.000	0.000
3/31/2010	7.30	1.56	0.21		16.28	4.01	0.00	0.000	0.000
4/30/2010	7.15	1.51	0.21		16.49	4.05	0.00	0.000	0.000
5/31/2010	7.26	1.47	0.20		16.72	4.10	0.00	0.000	0.000
6/30/2010	7.30	1.63	0.22		16.94	4.15	0.00	0.000	0.000
7/31/2010	7.29	1.58	0.22	3.52	17.16	4.20	0.11	0.375	0.005
8/31/2010	6.71	1.48	0.22	18.74	17.37	4.24	0.69	2.167	0.030
9/30/2010	6.30	1.36	0.22	18.87	17.56	4.28	1.26	2.331	0.054
10/31/2010	6.18	1.38	0.22	19.16	17.75	4.33	1.85	2.399	0.079
11/30/2010	7.88	1.49	0.19	17.47	17.99	4.37	2.37	1.761	0.101
12/31/2010	4.92	0.99	0.20	24.65	18.14	4.40	3.14	3.942	0.132
1/31/2011	6.29	1.09	0.17	22.37	18.33	4.43	3.83	2.862	0.159
2/28/2011	9.56	1.61	0.17	21.95	18.60	4.48	4.45	1.855	0.182
3/31/2011	9.67	1.45	0.15	22.26	18.90	4.52	5.14	1.889	0.208
4/30/2011	9.85	1.48	0.15	24.73	19.20	4.57	5.88	2.059	0.234
5/31/2011	9.49	1.45	0.15	0.00	19.49	4.61	5.88	0.000	0.231
6/30/2011	10.27	1.52	0.15	24.33	19.80	4.66	6.61	1.947	0.256
7/31/2011	10.27	1.24	0.12	29.06	20.12	4.70	7.51	2.378	0.286
8/31/2011	11.30	1.38	0.12	28.03	20.47	4.74	8.38	2.082	0.315
9/30/2011	11.31	2.03	0.18	29.73	20.81	4.80	9.27	2.104	0.343
10/31/2011	11.47	1.78	0.15	25.13	21.16	4.86	10.05	1.789	0.366
11/30/2011	11.46	1.37	0.12	19.40	21.51	4.90	10.63	1.424	0.381
12/31/2011	11.17	1.33	0.12	17.35	21.85	4.94	11.17	1.307	0.395
1/31/2012	11.20	1.25	0.11	23.71	22.20	4.98	11.90	1.792	0.415
2/29/2012	11.13	1.36	0.12	21.34	22.52	5.02	12.52	1.610	0.430
3/31/2012	11.11	1.34	0.12	20.16	22.87	5.06	13.15	1.525	0.446
4/30/2012	10.60	1.24	0.12	21.57	23.19	5.10	13.80	1.714	0.462
5/31/2012	10.39	1.30	0.12	13.58	23.51	5.14	14.22	1.094	0.470
6/30/2012	10.37	1.65	0.16	30.00	23.82	5.18	15.12	2.355	0.493
7/31/2012	10.65	1.87	0.18	27.65	24.15	5.24	15.97	2.086	0.514
8/31/2012	9.07	1.41	0.16	23.68	24.43	5.29	16.71	2.132	0.532
9/30/2012	9.60	1.36	0.14	20.60	24.72	5.33	17.32	1.772	0.545
10/31/2012	9.83	1.21	0.12	19.74	25.02	5.36	17.94	1.685	0.558
11/30/2012	7.78	1.16	0.15	15.70	25.26	5.40	18.41	1.657	0.568
12/31/2012	8.48	1.48	0.17	16.48	25.52	5.45	18.92	1.564	0.578
1/31/2013	9.07	1.70	0.19	18.06	25.80	5.50	19.48	1.585	0.589
2/28/2013	9.08	2.47	0.27	17.71	26.06	5.57	19.98	1.454	0.598



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
3/31/2013	8.99	2.33	0.26	17.61	26.33	5.64	20.52	1.475	0.607
4/30/2013	8.06	2.08	0.26	17.30	26.58	5.70	21.04	1.617	0.617
5/31/2013	8.01	2.11	0.26	16.32	26.82	5.77	21.55	1.530	0.625
6/30/2013	7.08	2.07	0.29	16.17	27.04	5.83	22.03	1.676	0.634
7/31/2013	7.05	2.00	0.28	14.16	27.25	5.89	22.47	1.484	0.641
8/31/2013	7.51	2.28	0.30	7.94	27.49	5.96	22.72	0.770	0.642
9/30/2013	6.55	1.79	0.27	17.43	27.68	6.02	23.24	1.983	0.652
10/31/2013	8.37	3.13	0.37	18.74	27.94	6.11	23.82	1.551	0.662
11/30/2013	8.59	2.69	0.31	19.27	28.20	6.19	24.40	1.622	0.671
12/31/2013	8.09	2.46	0.30	26.71	28.45	6.27	25.23	2.406	0.687

# Pattern: 02/08-03-008-29Inj Set: Unit#3

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.40 m3/m3

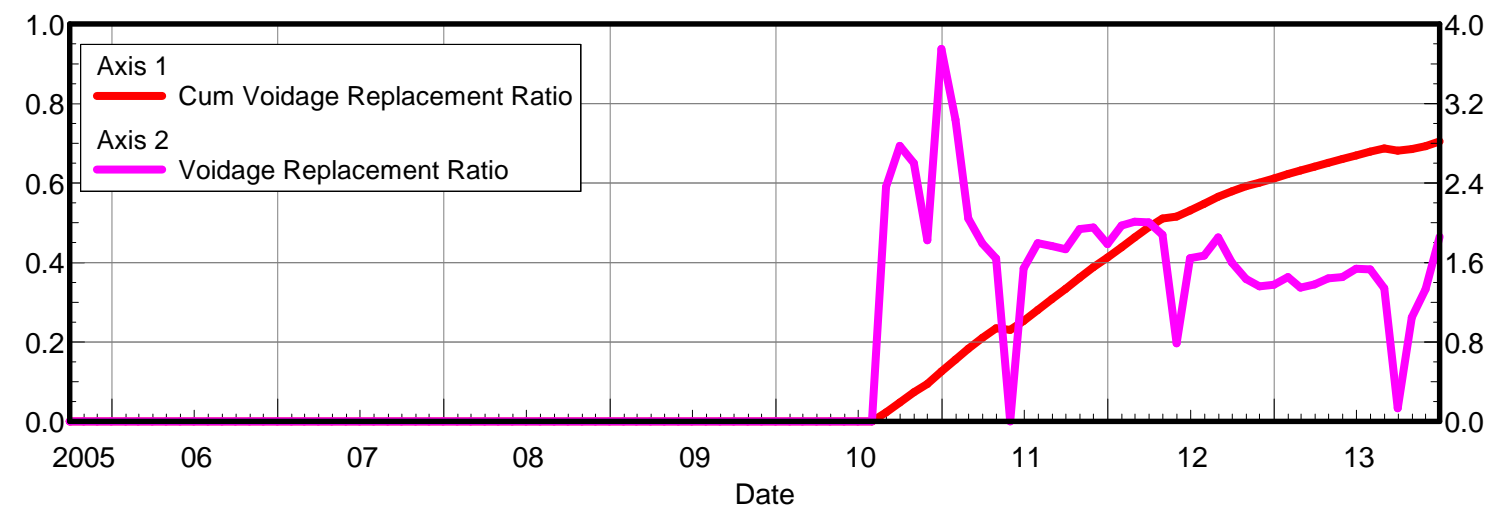
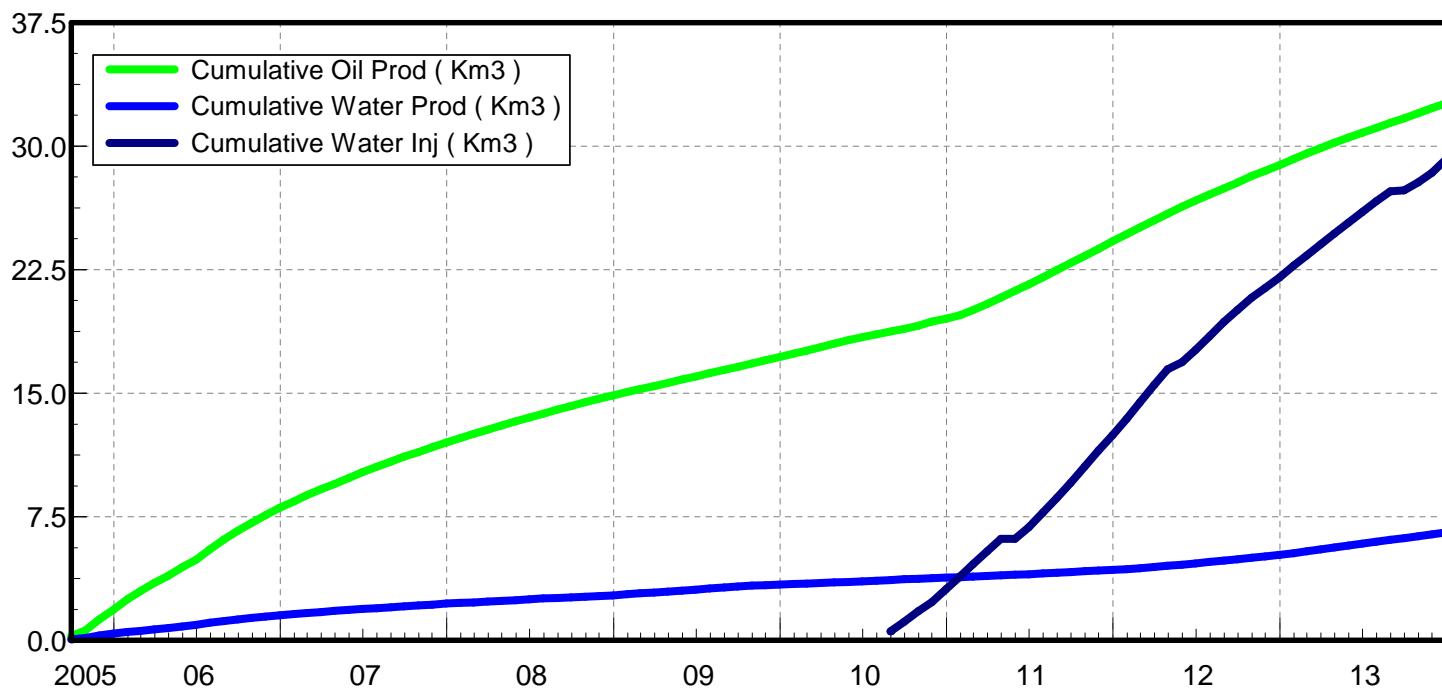
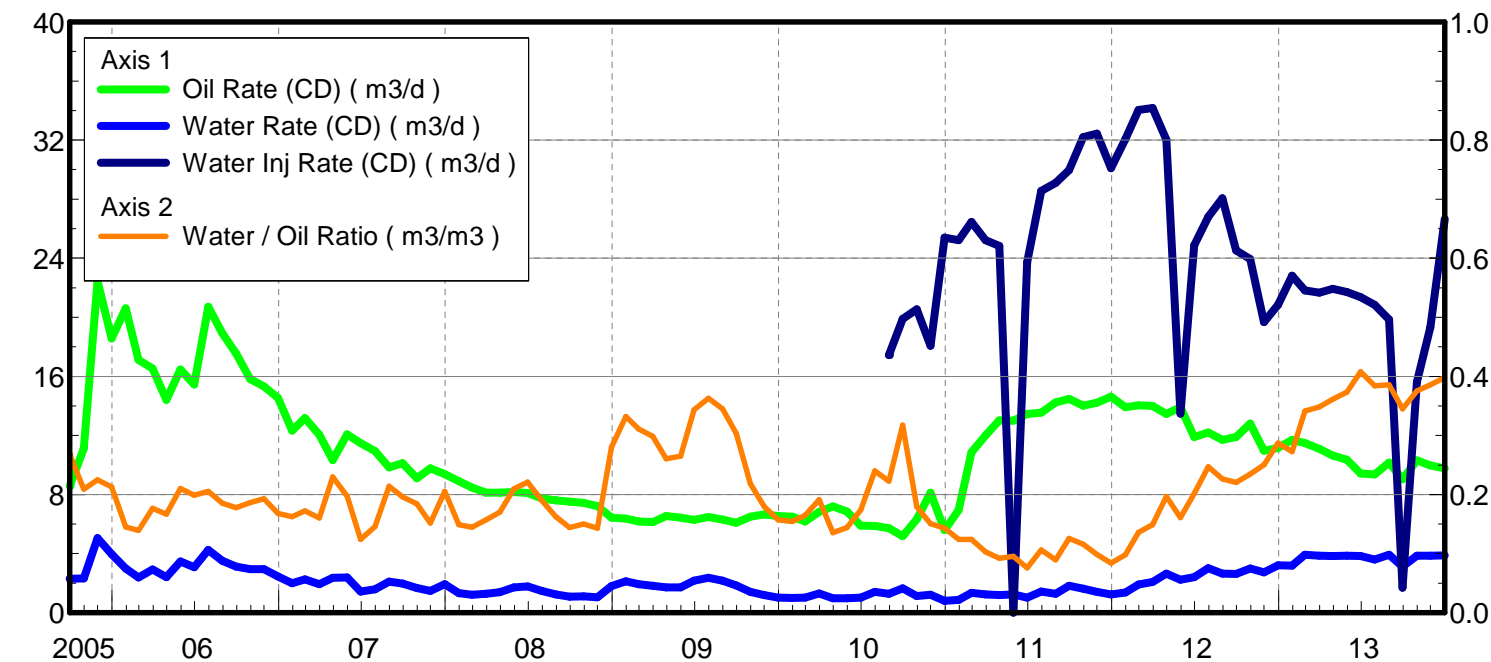
March 12, 2014

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 9.77 m3/d

Water Rate (CD) : 3.89 m3/d

Water Inj Rate (CD) : 26.65 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
9/30/2005	8.59	2.30	0.27		0.26	0.07	0.00	0.000	0.000
10/31/2005	11.13	2.33	0.21		0.60	0.14	0.00	0.000	0.000
11/30/2005	22.45	5.04	0.22		1.28	0.29	0.00	0.000	0.000
12/31/2005	18.58	3.96	0.21		1.85	0.42	0.00	0.000	0.000
1/31/2006	20.60	3.00	0.15		2.49	0.51	0.00	0.000	0.000
2/28/2006	17.13	2.38	0.14		2.97	0.57	0.00	0.000	0.000
3/31/2006	16.53	2.92	0.18		3.48	0.67	0.00	0.000	0.000
4/30/2006	14.42	2.41	0.17		3.92	0.74	0.00	0.000	0.000
5/31/2006	16.46	3.46	0.21		4.43	0.84	0.00	0.000	0.000
6/30/2006	15.45	3.08	0.20		4.89	0.94	0.00	0.000	0.000
7/31/2006	20.71	4.25	0.21		5.53	1.07	0.00	0.000	0.000
8/31/2006	18.92	3.51	0.19		6.12	1.18	0.00	0.000	0.000
9/30/2006	17.55	3.12	0.18		6.64	1.27	0.00	0.000	0.000
10/31/2006	15.81	2.95	0.19		7.13	1.36	0.00	0.000	0.000
11/30/2006	15.32	2.96	0.19		7.59	1.45	0.00	0.000	0.000
12/31/2006	14.55	2.45	0.17		8.04	1.53	0.00	0.000	0.000
1/31/2007	12.32	2.00	0.16		8.43	1.59	0.00	0.000	0.000
2/28/2007	13.17	2.27	0.17		8.80	1.65	0.00	0.000	0.000
3/31/2007	12.06	1.93	0.16		9.17	1.71	0.00	0.000	0.000
4/30/2007	10.33	2.37	0.23		9.48	1.78	0.00	0.000	0.000
5/31/2007	12.07	2.38	0.20		9.85	1.86	0.00	0.000	0.000
6/30/2007	11.48	1.43	0.12		10.20	1.90	0.00	0.000	0.000
7/31/2007	10.94	1.59	0.15		10.54	1.95	0.00	0.000	0.000
8/31/2007	9.84	2.11	0.21		10.84	2.01	0.00	0.000	0.000
9/30/2007	10.12	1.98	0.20		11.15	2.07	0.00	0.000	0.000
10/31/2007	9.10	1.68	0.18		11.43	2.13	0.00	0.000	0.000
11/30/2007	9.78	1.48	0.15		11.72	2.17	0.00	0.000	0.000
12/31/2007	9.38	1.93	0.21		12.01	2.23	0.00	0.000	0.000
1/31/2008	8.90	1.33	0.15		12.29	2.27	0.00	0.000	0.000
2/29/2008	8.47	1.22	0.14		12.53	2.31	0.00	0.000	0.000
3/31/2008	8.12	1.28	0.16		12.78	2.35	0.00	0.000	0.000
4/30/2008	8.13	1.38	0.17		13.03	2.39	0.00	0.000	0.000
5/31/2008	8.16	1.71	0.21		13.28	2.44	0.00	0.000	0.000
6/30/2008	8.10	1.79	0.22		13.52	2.49	0.00	0.000	0.000
7/31/2008	7.74	1.47	0.19		13.76	2.54	0.00	0.000	0.000
8/31/2008	7.60	1.24	0.16		14.00	2.58	0.00	0.000	0.000
9/30/2008	7.53	1.08	0.14		14.23	2.61	0.00	0.000	0.000
10/31/2008	7.44	1.12	0.15		14.46	2.65	0.00	0.000	0.000
11/30/2008	7.22	1.03	0.14		14.67	2.68	0.00	0.000	0.000
12/31/2008	6.45	1.81	0.28		14.87	2.73	0.00	0.000	0.000
1/31/2009	6.38	2.12	0.33		15.07	2.80	0.00	0.000	0.000
2/28/2009	6.18	1.92	0.31		15.24	2.85	0.00	0.000	0.000
3/31/2009	6.12	1.83	0.30		15.43	2.91	0.00	0.000	0.000
4/30/2009	6.55	1.71	0.26		15.63	2.96	0.00	0.000	0.000
5/31/2009	6.43	1.70	0.26		15.83	3.01	0.00	0.000	0.000
6/30/2009	6.29	2.16	0.34		16.02	3.08	0.00	0.000	0.000
7/31/2009	6.48	2.35	0.36		16.22	3.15	0.00	0.000	0.000
8/31/2009	6.31	2.18	0.35		16.42	3.22	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	6.10	1.85	0.30		16.60	3.27	0.00	0.000	0.000
10/31/2009	6.50	1.42	0.22		16.80	3.32	0.00	0.000	0.000
11/30/2009	6.65	1.20	0.18		17.00	3.35	0.00	0.000	0.000
12/31/2009	6.55	1.03	0.16		17.20	3.39	0.00	0.000	0.000
1/31/2010	6.50	1.00	0.15		17.40	3.42	0.00	0.000	0.000
2/28/2010	6.18	1.02	0.16		17.58	3.45	0.00	0.000	0.000
3/31/2010	6.83	1.31	0.19		17.79	3.49	0.00	0.000	0.000
4/30/2010	7.20	0.97	0.14		18.00	3.51	0.00	0.000	0.000
5/31/2010	6.86	0.99	0.14		18.22	3.55	0.00	0.000	0.000
6/30/2010	5.90	1.02	0.17		18.39	3.58	0.00	0.000	0.000
7/31/2010	5.88	1.41	0.24		18.58	3.62	0.00	0.000	0.000
8/31/2010	5.72	1.27	0.22	17.45	18.75	3.66	0.54	2.363	0.023
9/30/2010	5.17	1.64	0.32	19.90	18.91	3.71	1.14	2.775	0.048
10/31/2010	6.33	1.14	0.18	20.55	19.11	3.74	1.77	2.599	0.073
11/30/2010	8.12	1.23	0.15	18.07	19.35	3.78	2.32	1.823	0.095
12/31/2010	5.58	0.80	0.14	25.39	19.52	3.81	3.10	3.749	0.126
1/31/2011	6.95	0.86	0.12	25.23	19.74	3.83	3.89	3.039	0.156
2/28/2011	10.86	1.35	0.12	26.46	20.04	3.87	4.63	2.042	0.183
3/31/2011	12.00	1.24	0.10	25.23	20.41	3.91	5.41	1.793	0.210
4/30/2011	13.03	1.20	0.09	24.83	20.80	3.94	6.15	1.641	0.235
5/31/2011	13.01	1.24	0.10	0.00	21.21	3.98	6.15	0.000	0.231
6/30/2011	13.45	1.02	0.08	23.73	21.61	4.01	6.87	1.541	0.253
7/31/2011	13.54	1.44	0.11	28.55	22.03	4.06	7.75	1.794	0.281
8/31/2011	14.23	1.27	0.09	29.10	22.47	4.10	8.65	1.764	0.308
9/30/2011	14.47	1.82	0.13	29.97	22.91	4.15	9.55	1.733	0.333
10/31/2011	14.03	1.63	0.12	32.19	23.34	4.20	10.55	1.936	0.362
11/30/2011	14.22	1.40	0.10	32.43	23.77	4.24	11.52	1.952	0.388
12/31/2011	14.63	1.23	0.08	30.10	24.22	4.28	12.46	1.784	0.413
1/31/2012	13.92	1.36	0.10	32.06	24.65	4.32	13.45	1.973	0.438
2/29/2012	14.03	1.91	0.14	34.03	25.06	4.38	14.44	2.012	0.463
3/31/2012	13.99	2.08	0.15	34.16	25.49	4.44	15.50	2.005	0.489
4/30/2012	13.46	2.65	0.20	32.03	25.90	4.52	16.46	1.880	0.511
5/31/2012	13.91	2.24	0.16	13.48	26.33	4.59	16.88	0.788	0.515
6/30/2012	11.90	2.40	0.20	24.87	26.69	4.67	17.62	1.644	0.531
7/31/2012	12.20	3.01	0.25	26.81	27.06	4.76	18.45	1.670	0.548
8/31/2012	11.70	2.65	0.23	28.06	27.43	4.84	19.32	1.851	0.565
9/30/2012	11.89	2.62	0.22	24.53	27.78	4.92	20.06	1.600	0.579
10/31/2012	12.81	3.00	0.23	23.94	28.18	5.01	20.80	1.433	0.592
11/30/2012	10.96	2.74	0.25	19.67	28.51	5.09	21.39	1.361	0.601
12/31/2012	11.17	3.21	0.29	20.84	28.85	5.19	22.04	1.375	0.611
1/31/2013	11.70	3.19	0.27	22.81	29.22	5.29	22.74	1.453	0.622
2/28/2013	11.48	3.92	0.34	21.82	29.54	5.40	23.35	1.347	0.631
3/31/2013	11.10	3.86	0.35	21.68	29.88	5.52	24.03	1.378	0.641
4/30/2013	10.64	3.84	0.36	21.93	30.20	5.64	24.68	1.441	0.651
5/31/2013	10.35	3.87	0.37	21.71	30.52	5.76	25.36	1.454	0.660
6/30/2013	9.42	3.84	0.41	21.37	30.81	5.87	26.00	1.536	0.670
7/31/2013	9.36	3.59	0.38	20.84	31.10	5.98	26.64	1.532	0.679
8/31/2013	10.16	3.92	0.39	19.84	31.41	6.11	27.26	1.342	0.687

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
9/30/2013	9.04	3.12	0.34	1.70	31.68	6.20	27.31	0.133	0.681
10/31/2013	10.31	3.87	0.38	15.61	32.00	6.32	27.79	1.048	0.686
11/30/2013	9.98	3.85	0.39	19.33	32.30	6.43	28.37	1.332	0.692
12/31/2013	9.77	3.89	0.40	26.65	32.60	6.56	29.20	1.858	0.705

# Pattern: 02/16-03-008-29Inj Set: Unit#3

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.31 m3/m3

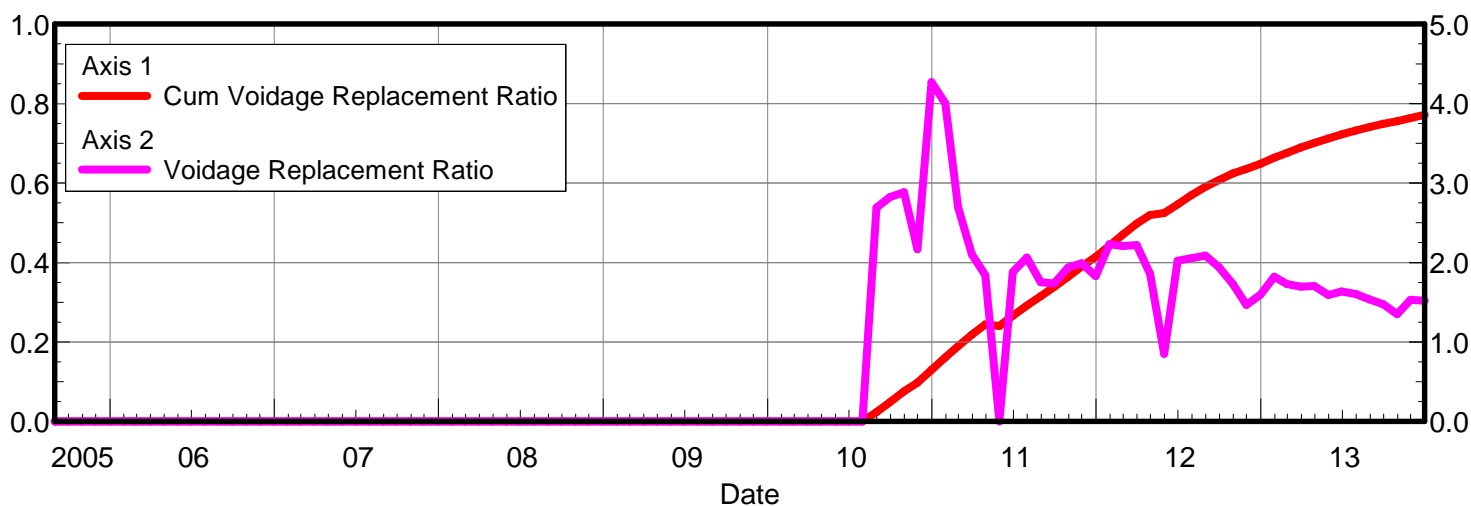
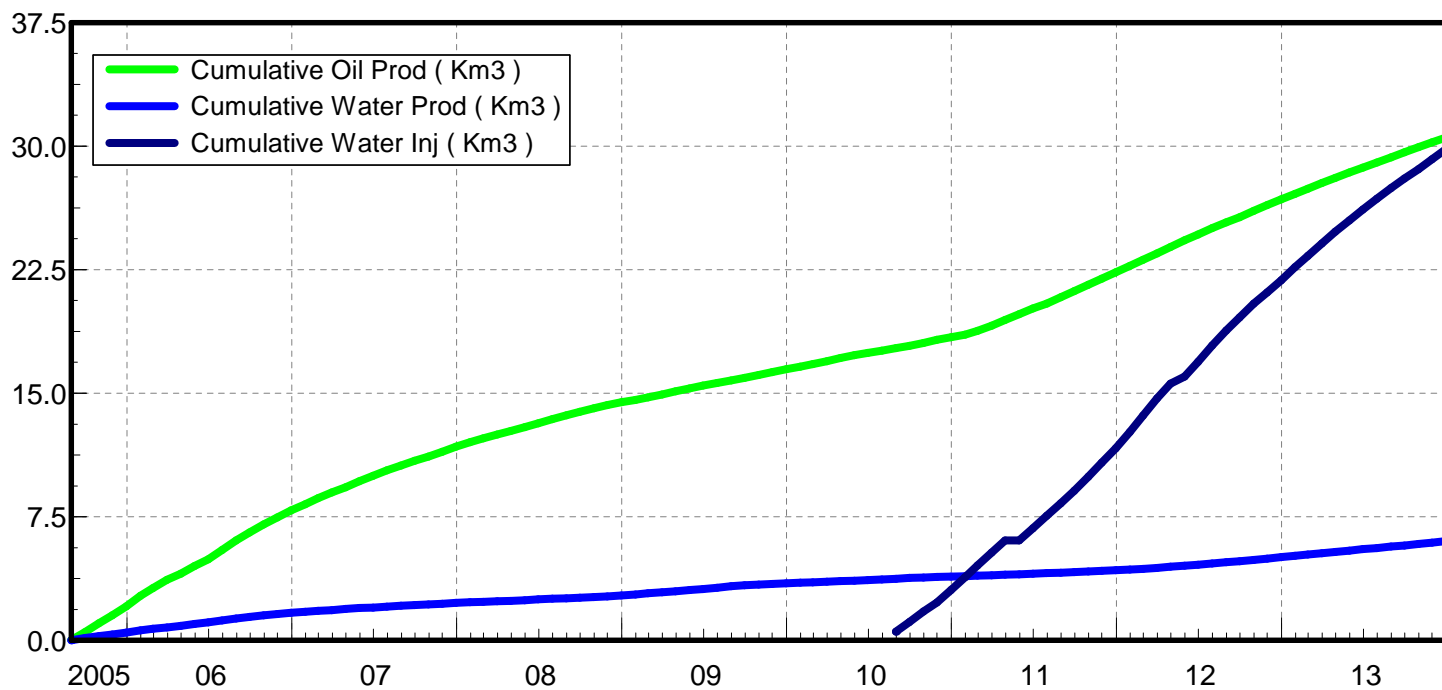
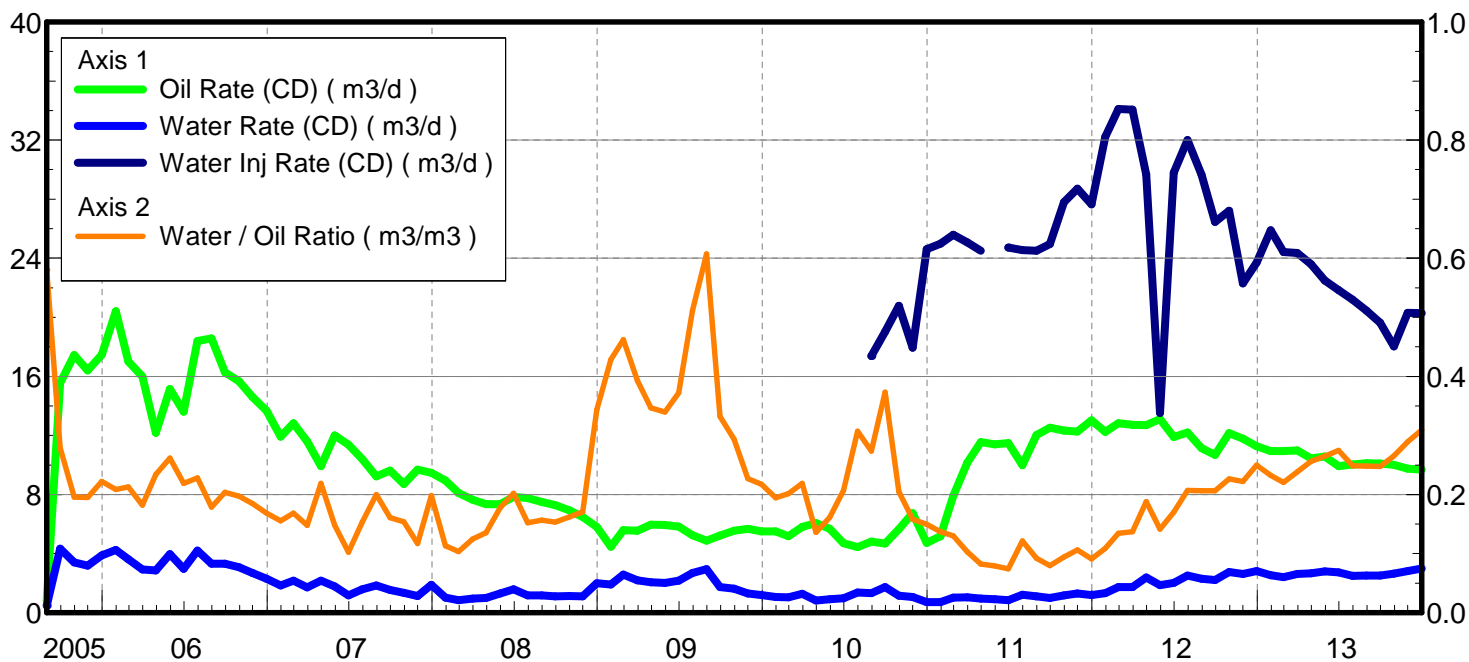
March 09, 2014

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 9.69 m3/d

Water Rate (CD) : 3.00 m3/d

Water Inj Rate (CD) : 20.29 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	0.83	0.48	0.58		0.03	0.01	0.00	0.000	0.000
9/30/2005	15.57	4.34	0.28		0.49	0.15	0.00	0.000	0.000
10/31/2005	17.43	3.41	0.20		1.03	0.25	0.00	0.000	0.000
11/30/2005	16.40	3.19	0.19		1.53	0.35	0.00	0.000	0.000
12/31/2005	17.47	3.88	0.22		2.07	0.47	0.00	0.000	0.000
1/31/2006	20.41	4.26	0.21		2.70	0.60	0.00	0.000	0.000
2/28/2006	17.02	3.63	0.21		3.18	0.70	0.00	0.000	0.000
3/31/2006	16.00	2.92	0.18		3.67	0.79	0.00	0.000	0.000
4/30/2006	12.18	2.85	0.23		4.04	0.88	0.00	0.000	0.000
5/31/2006	15.15	3.97	0.26		4.51	1.00	0.00	0.000	0.000
6/30/2006	13.61	2.98	0.22		4.92	1.09	0.00	0.000	0.000
7/31/2006	18.40	4.20	0.23		5.49	1.22	0.00	0.000	0.000
8/31/2006	18.57	3.32	0.18		6.06	1.32	0.00	0.000	0.000
9/30/2006	16.28	3.32	0.20		6.55	1.42	0.00	0.000	0.000
10/31/2006	15.67	3.09	0.20		7.04	1.52	0.00	0.000	0.000
11/30/2006	14.60	2.69	0.18		7.47	1.60	0.00	0.000	0.000
12/31/2006	13.68	2.30	0.17		7.90	1.67	0.00	0.000	0.000
1/31/2007	11.91	1.85	0.16		8.27	1.73	0.00	0.000	0.000
2/28/2007	12.82	2.16	0.17		8.63	1.79	0.00	0.000	0.000
3/31/2007	11.58	1.71	0.15		8.98	1.84	0.00	0.000	0.000
4/30/2007	9.92	2.17	0.22		9.28	1.91	0.00	0.000	0.000
5/31/2007	12.00	1.77	0.15		9.65	1.96	0.00	0.000	0.000
6/30/2007	11.38	1.17	0.10		10.00	2.00	0.00	0.000	0.000
7/31/2007	10.39	1.59	0.15		10.32	2.05	0.00	0.000	0.000
8/31/2007	9.23	1.85	0.20		10.60	2.10	0.00	0.000	0.000
9/30/2007	9.63	1.55	0.16		10.89	2.15	0.00	0.000	0.000
10/31/2007	8.70	1.34	0.15		11.16	2.19	0.00	0.000	0.000
11/30/2007	9.70	1.13	0.12		11.45	2.22	0.00	0.000	0.000
12/31/2007	9.48	1.88	0.20		11.75	2.28	0.00	0.000	0.000
1/31/2008	8.94	1.01	0.11		12.02	2.31	0.00	0.000	0.000
2/29/2008	8.11	0.84	0.10		12.26	2.34	0.00	0.000	0.000
3/31/2008	7.65	0.95	0.12		12.50	2.37	0.00	0.000	0.000
4/30/2008	7.34	1.00	0.14		12.72	2.40	0.00	0.000	0.000
5/31/2008	7.35	1.30	0.18		12.94	2.44	0.00	0.000	0.000
6/30/2008	7.85	1.59	0.20		13.18	2.49	0.00	0.000	0.000
7/31/2008	7.76	1.18	0.15		13.42	2.52	0.00	0.000	0.000
8/31/2008	7.50	1.18	0.16		13.65	2.56	0.00	0.000	0.000
9/30/2008	7.28	1.12	0.15		13.87	2.59	0.00	0.000	0.000
10/31/2008	6.93	1.12	0.16		14.09	2.63	0.00	0.000	0.000
11/30/2008	6.48	1.11	0.17		14.28	2.66	0.00	0.000	0.000
12/31/2008	5.80	1.99	0.34		14.46	2.72	0.00	0.000	0.000
1/31/2009	4.46	1.91	0.43		14.60	2.78	0.00	0.000	0.000
2/28/2009	5.60	2.59	0.46		14.76	2.85	0.00	0.000	0.000
3/31/2009	5.56	2.18	0.39		14.93	2.92	0.00	0.000	0.000
4/30/2009	5.97	2.07	0.35		15.11	2.98	0.00	0.000	0.000
5/31/2009	5.93	2.02	0.34		15.29	3.05	0.00	0.000	0.000
6/30/2009	5.83	2.17	0.37		15.47	3.11	0.00	0.000	0.000
7/31/2009	5.24	2.68	0.51		15.63	3.19	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	4.87	2.96	0.61		15.78	3.29	0.00	0.000	0.000
9/30/2009	5.23	1.74	0.33		15.94	3.34	0.00	0.000	0.000
10/31/2009	5.55	1.63	0.29		16.11	3.39	0.00	0.000	0.000
11/30/2009	5.69	1.29	0.23		16.28	3.43	0.00	0.000	0.000
12/31/2009	5.50	1.20	0.22		16.45	3.46	0.00	0.000	0.000
1/31/2010	5.51	1.07	0.19		16.62	3.50	0.00	0.000	0.000
2/28/2010	5.18	1.04	0.20		16.77	3.53	0.00	0.000	0.000
3/31/2010	5.80	1.27	0.22		16.95	3.57	0.00	0.000	0.000
4/30/2010	6.06	0.82	0.14		17.13	3.59	0.00	0.000	0.000
5/31/2010	5.69	0.92	0.16		17.30	3.62	0.00	0.000	0.000
6/30/2010	4.71	0.97	0.21		17.45	3.65	0.00	0.000	0.000
7/31/2010	4.43	1.36	0.31		17.58	3.69	0.00	0.000	0.000
8/31/2010	4.81	1.32	0.27	17.39	17.73	3.73	0.54	2.690	0.024
9/30/2010	4.67	1.75	0.37	19.03	17.87	3.78	1.11	2.823	0.048
10/31/2010	5.65	1.16	0.20	20.77	18.05	3.82	1.75	2.885	0.076
11/30/2010	6.74	1.07	0.16	17.93	18.25	3.85	2.29	2.166	0.098
12/31/2010	4.73	0.71	0.15	24.61	18.40	3.87	3.06	4.268	0.130
1/31/2011	5.17	0.71	0.14	24.97	18.56	3.90	3.83	4.001	0.161
2/28/2011	7.92	1.03	0.13	25.60	18.78	3.92	4.55	2.696	0.189
3/31/2011	10.17	1.05	0.10	25.06	19.09	3.96	5.32	2.101	0.218
4/30/2011	11.55	0.95	0.08	24.50	19.44	3.99	6.06	1.841	0.245
5/31/2011	11.39	0.90	0.08		19.79	4.01	6.06	0.000	0.241
6/30/2011	11.49	0.85	0.07	24.73	20.14	4.04	6.80	1.882	0.266
7/31/2011	9.99	1.21	0.12	24.55	20.45	4.08	7.56	2.064	0.291
8/31/2011	12.04	1.11	0.09	24.52	20.82	4.11	8.32	1.753	0.315
9/30/2011	12.53	1.00	0.08	24.97	21.20	4.14	9.07	1.735	0.338
10/31/2011	12.33	1.16	0.09	27.81	21.58	4.18	9.93	1.938	0.364
11/30/2011	12.27	1.30	0.11	28.70	21.95	4.22	10.79	1.989	0.390
12/31/2011	13.01	1.18	0.09	27.65	22.35	4.25	11.65	1.831	0.414
1/31/2012	12.25	1.33	0.11	32.23	22.73	4.29	12.65	2.233	0.442
2/29/2012	12.84	1.73	0.13	34.10	23.10	4.34	13.64	2.206	0.469
3/31/2012	12.71	1.75	0.14	34.06	23.50	4.40	14.69	2.221	0.498
4/30/2012	12.71	2.39	0.19	29.67	23.88	4.47	15.58	1.856	0.519
5/31/2012	13.11	1.86	0.14	13.52	24.28	4.53	16.00	0.851	0.525
6/30/2012	11.90	2.02	0.17	29.80	24.64	4.59	16.90	2.020	0.546
7/31/2012	12.20	2.53	0.21	32.00	25.02	4.67	17.89	2.055	0.569
8/31/2012	11.13	2.30	0.21	29.65	25.36	4.74	18.81	2.088	0.590
9/30/2012	10.69	2.21	0.21	26.47	25.68	4.80	19.60	1.940	0.607
10/31/2012	12.16	2.75	0.23	27.23	26.06	4.89	20.45	1.728	0.624
11/30/2012	11.79	2.62	0.22	22.30	26.42	4.97	21.11	1.465	0.636
12/31/2012	11.27	2.82	0.25	23.71	26.76	5.06	21.85	1.595	0.649
1/31/2013	10.94	2.54	0.23	25.90	27.10	5.13	22.65	1.819	0.664
2/28/2013	10.95	2.42	0.22	24.43	27.41	5.20	23.34	1.729	0.676
3/31/2013	10.99	2.62	0.24	24.35	27.75	5.28	24.09	1.695	0.689
4/30/2013	10.44	2.67	0.26	23.60	28.06	5.36	24.80	1.705	0.701
5/31/2013	10.58	2.80	0.26	22.48	28.39	5.45	25.50	1.593	0.712
6/30/2013	9.93	2.73	0.27	21.83	28.69	5.53	26.15	1.635	0.722
7/31/2013	10.04	2.50	0.25	21.19	29.00	5.61	26.81	1.602	0.732



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
8/31/2013	10.12	2.51	0.25	20.45	29.32	5.69	27.44	1.534	0.741
9/30/2013	10.11	2.50	0.25	19.63	29.62	5.76	28.03	1.475	0.749
10/31/2013	10.00	2.65	0.27	18.03	29.93	5.84	28.59	1.351	0.755
11/30/2013	9.76	2.82	0.29	20.30	30.22	5.93	29.20	1.531	0.763
12/31/2013	9.69	3.00	0.31	20.29	30.52	6.02	29.83	1.519	0.772

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.36 m3/m3

Pattern: 02/01-10-008-29Inj Set: Unit#3

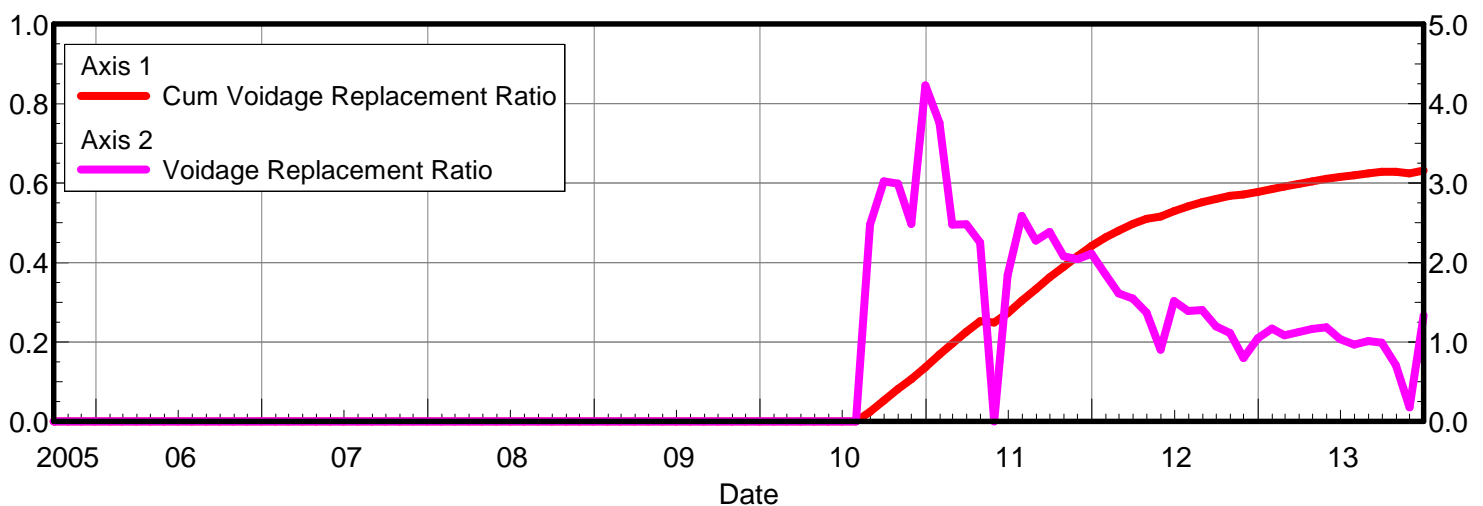
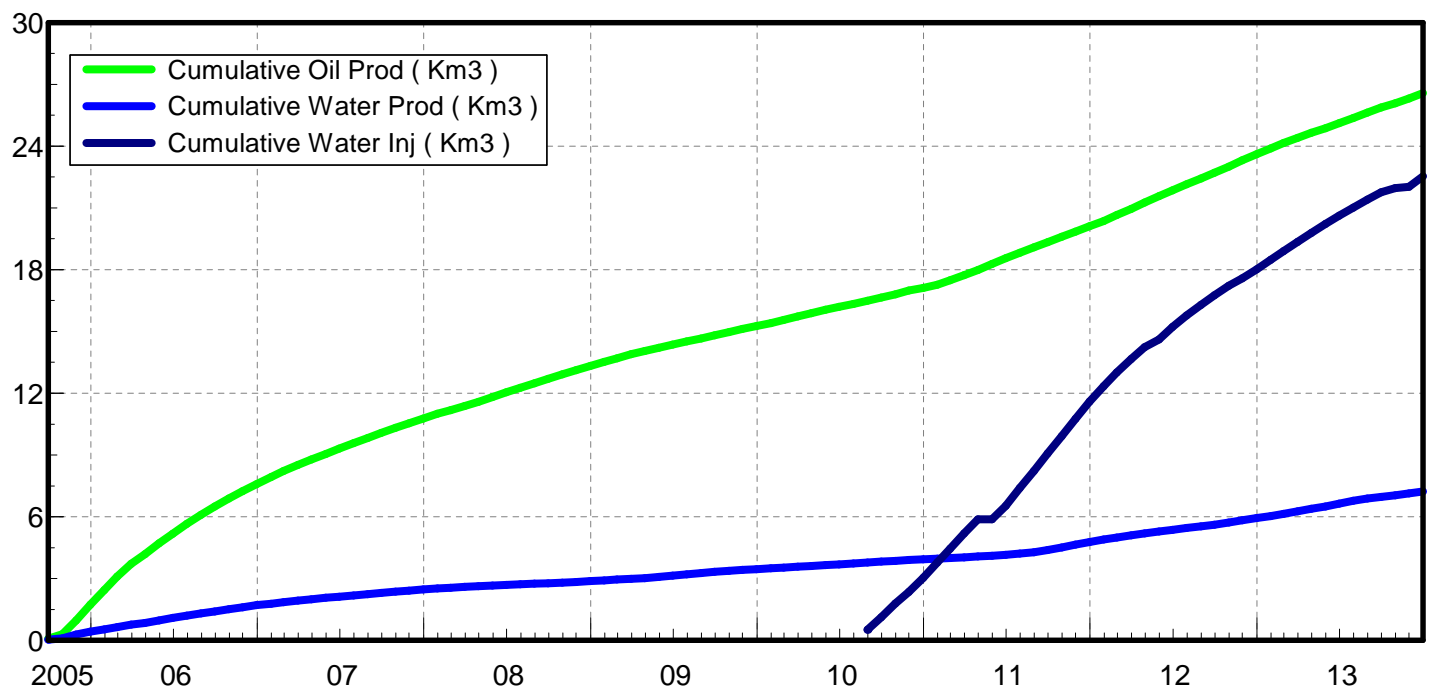
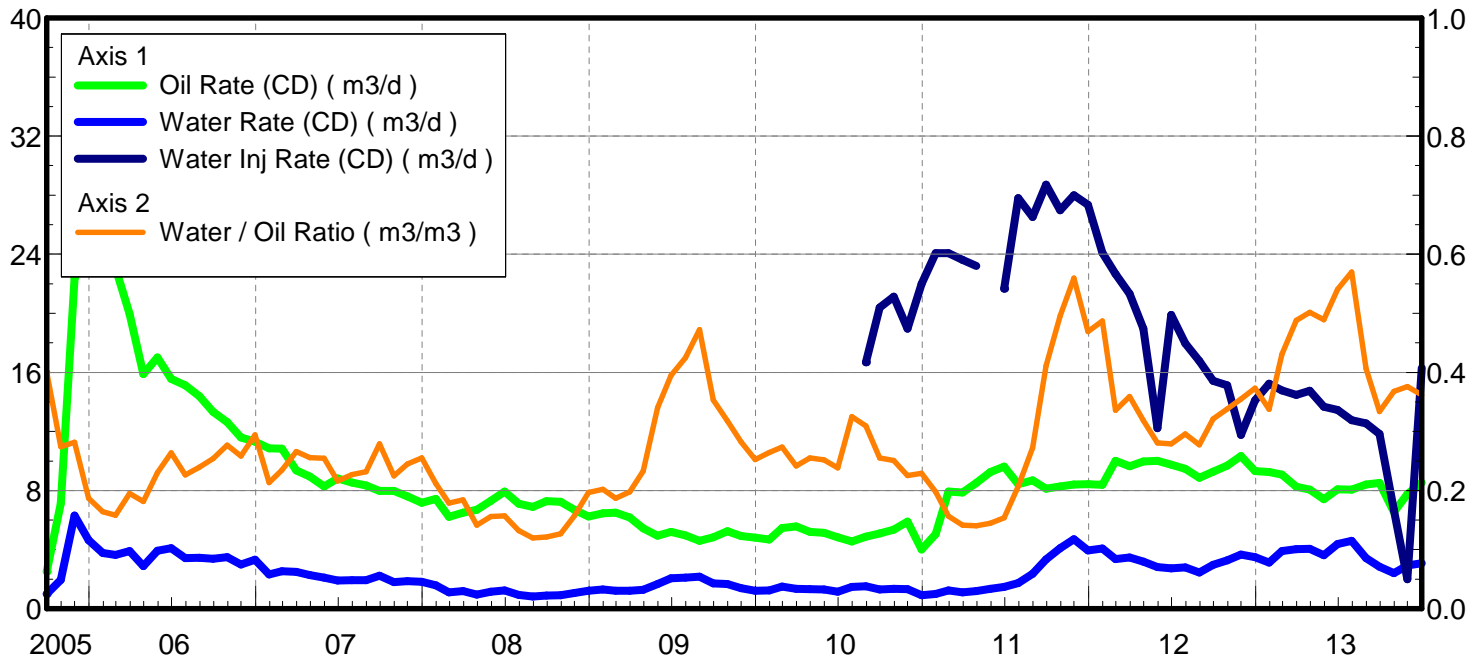
March 09, 2014

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 8.53 m3/d

Water Rate (CD) : 3.09 m3/d

Water Inj Rate (CD) : 16.29 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
9/30/2005	2.50	1.00	0.40		0.08	0.03	0.00	0.000	0.000
10/31/2005	7.12	1.95	0.27		0.30	0.09	0.00	0.000	0.000
11/30/2005	22.36	6.30	0.28		0.97	0.28	0.00	0.000	0.000
12/31/2005	24.82	4.64	0.19		1.74	0.42	0.00	0.000	0.000
1/31/2006	23.00	3.78	0.16		2.45	0.54	0.00	0.000	0.000
2/28/2006	23.09	3.65	0.16		3.10	0.64	0.00	0.000	0.000
3/31/2006	19.96	3.90	0.20		3.71	0.76	0.00	0.000	0.000
4/30/2006	15.87	2.88	0.18		4.19	0.85	0.00	0.000	0.000
5/31/2006	17.02	3.92	0.23		4.72	0.97	0.00	0.000	0.000
6/30/2006	15.56	4.11	0.26		5.19	1.09	0.00	0.000	0.000
7/31/2006	15.12	3.42	0.23		5.65	1.20	0.00	0.000	0.000
8/31/2006	14.40	3.45	0.24		6.10	1.31	0.00	0.000	0.000
9/30/2006	13.32	3.38	0.25		6.50	1.41	0.00	0.000	0.000
10/31/2006	12.63	3.50	0.28		6.89	1.52	0.00	0.000	0.000
11/30/2006	11.59	3.00	0.26		7.24	1.61	0.00	0.000	0.000
12/31/2006	11.30	3.33	0.29		7.59	1.71	0.00	0.000	0.000
1/31/2007	10.86	2.32	0.21		7.93	1.78	0.00	0.000	0.000
2/28/2007	10.84	2.54	0.23		8.23	1.85	0.00	0.000	0.000
3/31/2007	9.35	2.49	0.27		8.52	1.93	0.00	0.000	0.000
4/30/2007	8.94	2.29	0.26		8.79	2.00	0.00	0.000	0.000
5/31/2007	8.27	2.11	0.25		9.04	2.06	0.00	0.000	0.000
6/30/2007	8.81	1.91	0.22		9.31	2.12	0.00	0.000	0.000
7/31/2007	8.54	1.94	0.23		9.57	2.18	0.00	0.000	0.000
8/31/2007	8.34	1.94	0.23		9.83	2.24	0.00	0.000	0.000
9/30/2007	7.98	2.23	0.28		10.07	2.31	0.00	0.000	0.000
10/31/2007	7.98	1.80	0.23		10.32	2.36	0.00	0.000	0.000
11/30/2007	7.60	1.86	0.24		10.55	2.42	0.00	0.000	0.000
12/31/2007	7.18	1.83	0.26		10.77	2.48	0.00	0.000	0.000
1/31/2008	7.44	1.57	0.21		11.00	2.53	0.00	0.000	0.000
2/29/2008	6.22	1.11	0.18		11.18	2.56	0.00	0.000	0.000
3/31/2008	6.51	1.20	0.18		11.38	2.60	0.00	0.000	0.000
4/30/2008	6.69	0.95	0.14		11.58	2.62	0.00	0.000	0.000
5/31/2008	7.31	1.14	0.16		11.81	2.66	0.00	0.000	0.000
6/30/2008	7.93	1.25	0.16		12.05	2.70	0.00	0.000	0.000
7/31/2008	7.10	0.94	0.13		12.27	2.73	0.00	0.000	0.000
8/31/2008	6.90	0.83	0.12		12.48	2.75	0.00	0.000	0.000
9/30/2008	7.28	0.88	0.12		12.70	2.78	0.00	0.000	0.000
10/31/2008	7.24	0.92	0.13		12.92	2.81	0.00	0.000	0.000
11/30/2008	6.70	1.05	0.16		13.12	2.84	0.00	0.000	0.000
12/31/2008	6.24	1.23	0.20		13.32	2.88	0.00	0.000	0.000
1/31/2009	6.46	1.31	0.20		13.52	2.92	0.00	0.000	0.000
2/28/2009	6.51	1.22	0.19		13.70	2.95	0.00	0.000	0.000
3/31/2009	6.18	1.22	0.20		13.89	2.99	0.00	0.000	0.000
4/30/2009	5.45	1.27	0.23		14.06	3.03	0.00	0.000	0.000
5/31/2009	4.94	1.68	0.34		14.21	3.08	0.00	0.000	0.000
6/30/2009	5.21	2.06	0.39		14.37	3.14	0.00	0.000	0.000
7/31/2009	4.95	2.10	0.42		14.52	3.21	0.00	0.000	0.000
8/31/2009	4.59	2.17	0.47		14.66	3.27	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	4.83	1.71	0.35		14.81	3.32	0.00	0.000	0.000
10/31/2009	5.24	1.67	0.32		14.97	3.38	0.00	0.000	0.000
11/30/2009	4.92	1.39	0.28		15.12	3.42	0.00	0.000	0.000
12/31/2009	4.82	1.22	0.25		15.27	3.45	0.00	0.000	0.000
1/31/2010	4.69	1.24	0.26		15.41	3.49	0.00	0.000	0.000
2/28/2010	5.45	1.49	0.27		15.56	3.53	0.00	0.000	0.000
3/31/2010	5.57	1.35	0.24		15.74	3.58	0.00	0.000	0.000
4/30/2010	5.21	1.33	0.26		15.89	3.62	0.00	0.000	0.000
5/31/2010	5.14	1.30	0.25		16.05	3.66	0.00	0.000	0.000
6/30/2010	4.82	1.15	0.24		16.20	3.69	0.00	0.000	0.000
7/31/2010	4.55	1.48	0.33		16.34	3.74	0.00	0.000	0.000
8/31/2010	4.88	1.51	0.31	16.68	16.49	3.78	0.52	2.478	0.024
9/30/2010	5.10	1.30	0.25	20.40	16.64	3.82	1.13	3.021	0.052
10/31/2010	5.35	1.34	0.25	21.13	16.81	3.86	1.78	2.994	0.082
11/30/2010	5.89	1.33	0.23	18.97	16.98	3.90	2.35	2.484	0.107
12/31/2010	4.01	0.92	0.23	22.00	17.11	3.93	3.04	4.228	0.137
1/31/2011	5.05	1.00	0.20	24.06	17.26	3.96	3.78	3.758	0.169
2/28/2011	7.92	1.24	0.16	24.07	17.49	4.00	4.46	2.479	0.196
3/31/2011	7.86	1.11	0.14	23.61	17.73	4.03	5.19	2.482	0.226
4/30/2011	8.51	1.19	0.14	23.20	17.99	4.07	5.88	2.253	0.252
5/31/2011	9.26	1.34	0.14		18.27	4.11	5.88	0.000	0.249
6/30/2011	9.62	1.48	0.15	21.67	18.56	4.15	6.53	1.840	0.272
7/31/2011	8.43	1.75	0.21	27.81	18.82	4.21	7.39	2.585	0.304
8/31/2011	8.69	2.36	0.27	26.52	19.09	4.28	8.22	2.276	0.333
9/30/2011	8.13	3.34	0.41	28.70	19.34	4.38	9.08	2.384	0.362
10/31/2011	8.28	4.11	0.50	26.97	19.59	4.51	9.91	2.081	0.389
11/30/2011	8.41	4.71	0.56	28.00	19.84	4.65	10.75	2.042	0.416
12/31/2011	8.42	3.95	0.47	27.35	20.11	4.77	11.60	2.111	0.442
1/31/2012	8.38	4.08	0.49	24.10	20.37	4.90	12.35	1.847	0.463
2/29/2012	10.00	3.36	0.34	22.66	20.66	5.00	13.01	1.612	0.480
3/31/2012	9.64	3.46	0.36	21.32	20.95	5.10	13.67	1.548	0.497
4/30/2012	9.98	3.18	0.32	18.97	21.25	5.20	14.24	1.370	0.510
5/31/2012	10.02	2.81	0.28	12.23	21.56	5.29	14.62	0.904	0.516
6/30/2012	9.75	2.72	0.28	19.90	21.86	5.37	15.21	1.514	0.529
7/31/2012	9.46	2.80	0.30	17.97	22.15	5.46	15.77	1.391	0.541
8/31/2012	8.87	2.46	0.28	16.77	22.43	5.53	16.29	1.404	0.552
9/30/2012	9.27	2.98	0.32	15.43	22.70	5.62	16.75	1.197	0.560
10/31/2012	9.68	3.27	0.34	15.13	23.00	5.72	17.22	1.111	0.568
11/30/2012	10.34	3.67	0.35	11.77	23.31	5.83	17.57	0.799	0.571
12/31/2012	9.33	3.48	0.37	14.10	23.60	5.94	18.01	1.047	0.578
1/31/2013	9.25	3.12	0.34	15.23	23.89	6.04	18.48	1.169	0.585
2/28/2013	9.07	3.91	0.43	14.79	24.14	6.15	18.90	1.086	0.591
3/31/2013	8.26	4.03	0.49	14.48	24.40	6.27	19.35	1.126	0.598
4/30/2013	8.06	4.04	0.50	14.77	24.64	6.39	19.79	1.166	0.604
5/31/2013	7.42	3.63	0.49	13.68	24.87	6.51	20.21	1.183	0.611
6/30/2013	8.08	4.37	0.54	13.47	25.11	6.64	20.62	1.035	0.616
7/31/2013	8.05	4.59	0.57	12.77	25.36	6.78	21.01	0.968	0.620
8/31/2013	8.41	3.42	0.41	12.55	25.62	6.88	21.40	1.011	0.624

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
9/30/2013	8.51	2.84	0.33	11.83	25.88	6.97	21.76	0.991	0.628
10/31/2013	6.55	2.41	0.37	6.68	26.08	7.04	21.96	0.710	0.629
11/30/2013	7.76	2.92	0.38	2.00	26.32	7.13	22.02	0.178	0.624
12/31/2013	8.53	3.09	0.36	16.29	26.58	7.23	22.53	1.334	0.632

# Pattern: 03/01-10-008-29Inj Set: Unit#3

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.35 m3/m3

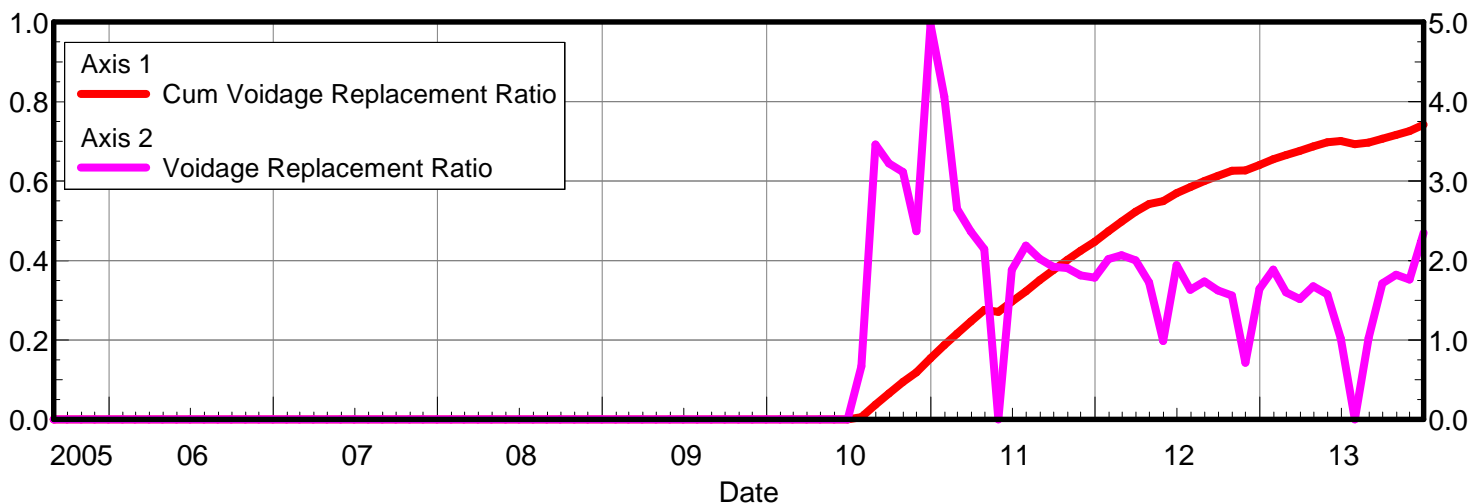
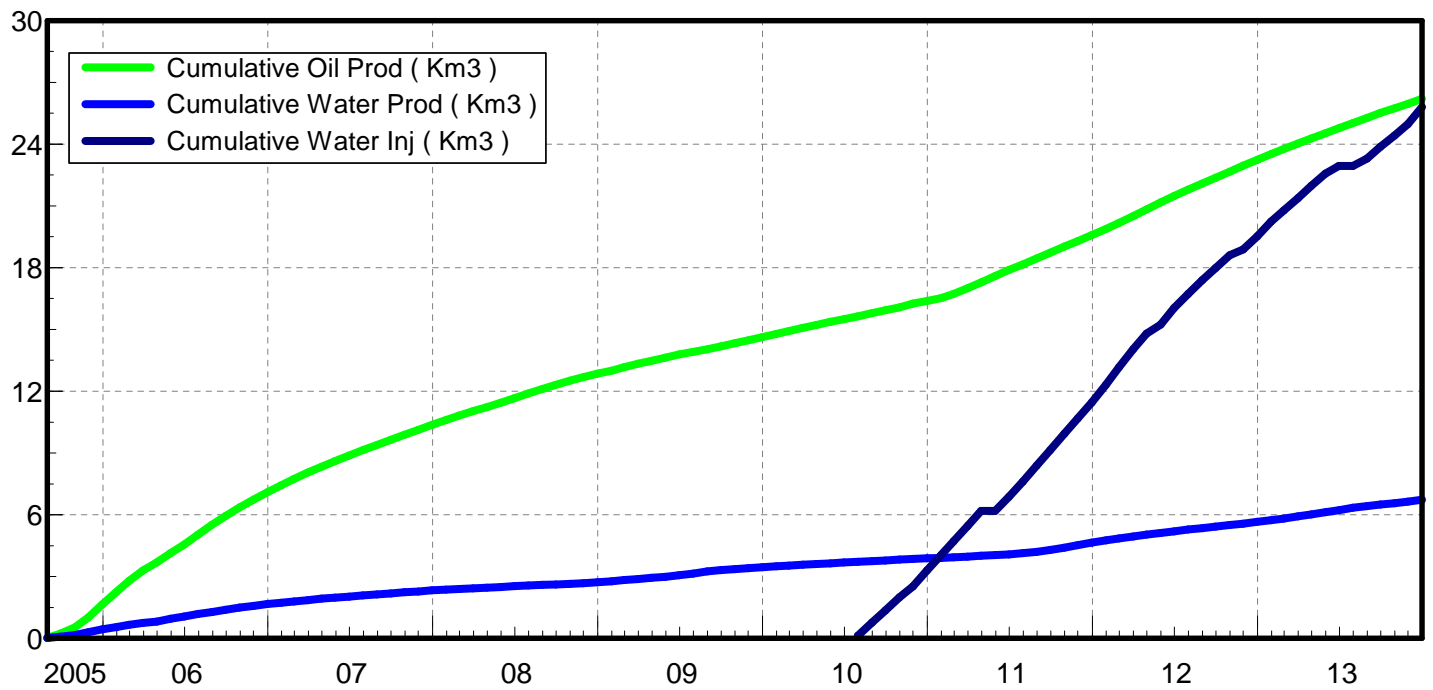
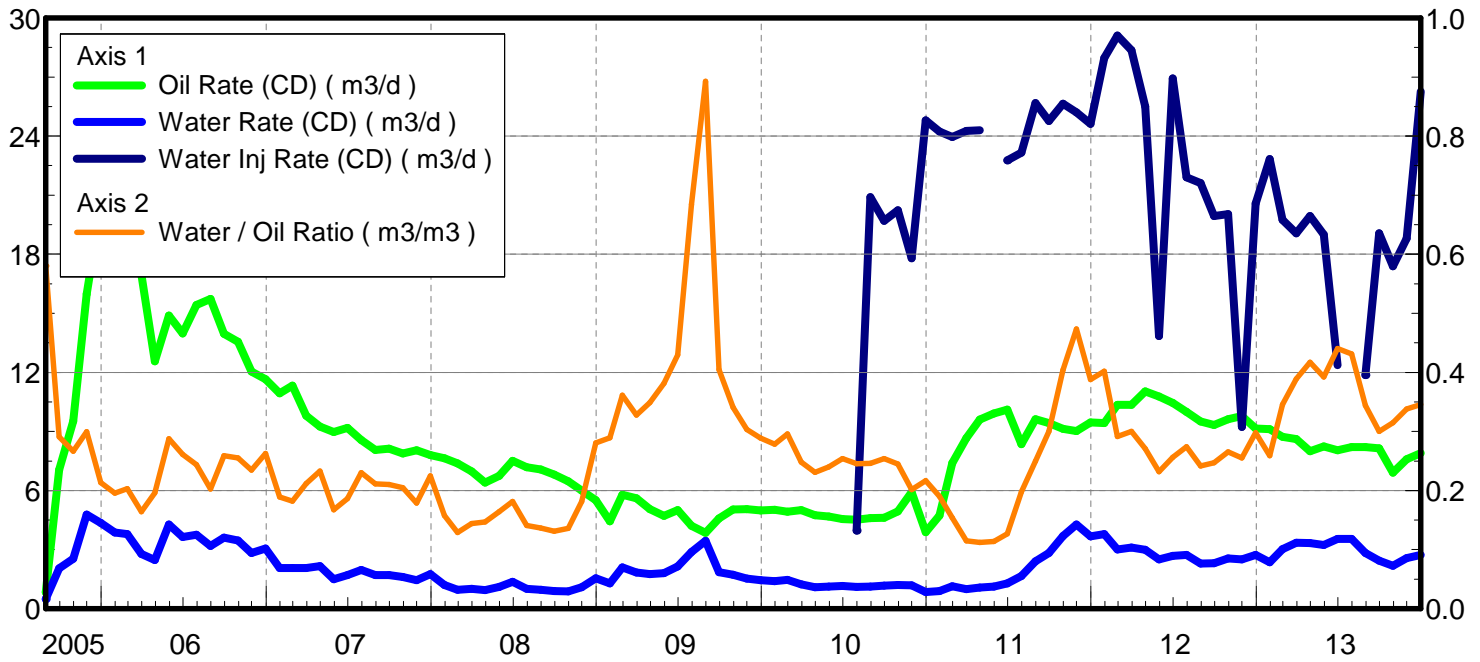
March 09, 2014

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 7.90 m3/d

Water Rate (CD) : 2.73 m3/d

Water Inj Rate (CD) : 26.26 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	0.83	0.48	0.58		0.03	0.01	0.00	0.000	0.000
9/30/2005	7.05	2.05	0.29		0.24	0.08	0.00	0.000	0.000
10/31/2005	9.52	2.54	0.27		0.53	0.16	0.00	0.000	0.000
11/30/2005	15.98	4.79	0.30		1.01	0.30	0.00	0.000	0.000
12/31/2005	20.41	4.36	0.21		1.64	0.43	0.00	0.000	0.000
1/31/2006	19.75	3.87	0.20		2.26	0.55	0.00	0.000	0.000
2/28/2006	18.63	3.78	0.20		2.78	0.66	0.00	0.000	0.000
3/31/2006	16.96	2.78	0.16		3.30	0.75	0.00	0.000	0.000
4/30/2006	12.57	2.47	0.20		3.68	0.82	0.00	0.000	0.000
5/31/2006	14.88	4.28	0.29		4.14	0.95	0.00	0.000	0.000
6/30/2006	13.98	3.65	0.26		4.56	1.06	0.00	0.000	0.000
7/31/2006	15.42	3.76	0.24		5.04	1.18	0.00	0.000	0.000
8/31/2006	15.74	3.19	0.20		5.53	1.28	0.00	0.000	0.000
9/30/2006	13.96	3.61	0.26		5.95	1.39	0.00	0.000	0.000
10/31/2006	13.56	3.46	0.26		6.37	1.49	0.00	0.000	0.000
11/30/2006	12.04	2.83	0.23		6.73	1.58	0.00	0.000	0.000
12/31/2006	11.65	3.06	0.26		7.09	1.67	0.00	0.000	0.000
1/31/2007	10.94	2.07	0.19		7.43	1.74	0.00	0.000	0.000
2/28/2007	11.34	2.06	0.18		7.75	1.79	0.00	0.000	0.000
3/31/2007	9.79	2.07	0.21		8.05	1.86	0.00	0.000	0.000
4/30/2007	9.24	2.15	0.23		8.33	1.92	0.00	0.000	0.000
5/31/2007	8.98	1.50	0.17		8.61	1.97	0.00	0.000	0.000
6/30/2007	9.19	1.71	0.19		8.88	2.02	0.00	0.000	0.000
7/31/2007	8.56	1.97	0.23		9.15	2.08	0.00	0.000	0.000
8/31/2007	8.07	1.71	0.21		9.40	2.14	0.00	0.000	0.000
9/30/2007	8.13	1.71	0.21		9.64	2.19	0.00	0.000	0.000
10/31/2007	7.88	1.62	0.20		9.88	2.24	0.00	0.000	0.000
11/30/2007	8.04	1.44	0.18		10.13	2.28	0.00	0.000	0.000
12/31/2007	7.80	1.76	0.23		10.37	2.33	0.00	0.000	0.000
1/31/2008	7.64	1.21	0.16		10.60	2.37	0.00	0.000	0.000
2/29/2008	7.38	0.95	0.13		10.82	2.40	0.00	0.000	0.000
3/31/2008	6.97	1.00	0.14		11.03	2.43	0.00	0.000	0.000
4/30/2008	6.40	0.94	0.15		11.23	2.46	0.00	0.000	0.000
5/31/2008	6.74	1.11	0.16		11.44	2.49	0.00	0.000	0.000
6/30/2008	7.51	1.36	0.18		11.66	2.53	0.00	0.000	0.000
7/31/2008	7.18	1.01	0.14		11.88	2.57	0.00	0.000	0.000
8/31/2008	7.06	0.97	0.14		12.10	2.60	0.00	0.000	0.000
9/30/2008	6.81	0.89	0.13		12.31	2.62	0.00	0.000	0.000
10/31/2008	6.47	0.88	0.14		12.51	2.65	0.00	0.000	0.000
11/30/2008	6.00	1.09	0.18		12.69	2.68	0.00	0.000	0.000
12/31/2008	5.51	1.55	0.28		12.86	2.73	0.00	0.000	0.000
1/31/2009	4.44	1.29	0.29		13.00	2.77	0.00	0.000	0.000
2/28/2009	5.79	2.09	0.36		13.16	2.83	0.00	0.000	0.000
3/31/2009	5.61	1.84	0.33		13.33	2.89	0.00	0.000	0.000
4/30/2009	5.05	1.76	0.35		13.48	2.94	0.00	0.000	0.000
5/31/2009	4.72	1.80	0.38		13.63	2.99	0.00	0.000	0.000
6/30/2009	5.01	2.15	0.43		13.78	3.06	0.00	0.000	0.000
7/31/2009	4.21	2.88	0.68		13.91	3.15	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	3.85	3.44	0.89		14.03	3.25	0.00	0.000	0.000
9/30/2009	4.59	1.86	0.40		14.17	3.31	0.00	0.000	0.000
10/31/2009	5.05	1.72	0.34		14.32	3.36	0.00	0.000	0.000
11/30/2009	5.05	1.53	0.30		14.48	3.41	0.00	0.000	0.000
12/31/2009	4.99	1.44	0.29		14.63	3.45	0.00	0.000	0.000
1/31/2010	5.03	1.40	0.28		14.79	3.50	0.00	0.000	0.000
2/28/2010	4.93	1.46	0.30		14.92	3.54	0.00	0.000	0.000
3/31/2010	5.00	1.24	0.25		15.08	3.58	0.00	0.000	0.000
4/30/2010	4.74	1.10	0.23		15.22	3.61	0.00	0.000	0.000
5/31/2010	4.68	1.12	0.24		15.37	3.64	0.00	0.000	0.000
6/30/2010	4.55	1.16	0.25		15.50	3.68	0.00	0.000	0.000
7/31/2010	4.51	1.11	0.25	3.97	15.64	3.71	0.12	0.669	0.006
8/31/2010	4.59	1.13	0.25	20.90	15.79	3.75	0.77	3.459	0.037
9/30/2010	4.62	1.18	0.25	19.70	15.92	3.78	1.36	3.221	0.065
10/31/2010	4.94	1.21	0.24	20.23	16.08	3.82	1.99	3.115	0.095
11/30/2010	5.91	1.19	0.20	17.80	16.25	3.86	2.52	2.370	0.119
12/31/2010	3.88	0.84	0.22	24.81	16.37	3.88	3.29	4.968	0.154
1/31/2011	4.73	0.90	0.19	24.23	16.52	3.91	4.04	4.064	0.187
2/28/2011	7.39	1.14	0.15	23.96	16.73	3.94	4.71	2.651	0.216
3/31/2011	8.67	1.00	0.11	24.26	17.00	3.97	5.47	2.364	0.247
4/30/2011	9.60	1.08	0.11	24.30	17.28	4.01	6.20	2.141	0.275
5/31/2011	9.91	1.13	0.11		17.59	4.04	6.20	0.000	0.271
6/30/2011	10.11	1.28	0.13	22.77	17.90	4.08	6.88	1.882	0.296
7/31/2011	8.35	1.65	0.20	23.16	18.15	4.13	7.60	2.188	0.323
8/31/2011	9.63	2.40	0.25	25.68	18.45	4.21	8.39	2.022	0.351
9/30/2011	9.42	2.83	0.30	24.77	18.74	4.29	9.13	1.920	0.376
10/31/2011	9.13	3.69	0.40	25.65	19.02	4.40	9.93	1.906	0.401
11/30/2011	9.02	4.27	0.47	25.20	19.29	4.53	10.69	1.812	0.425
12/31/2011	9.46	3.67	0.39	24.61	19.58	4.65	11.45	1.785	0.447
1/31/2012	9.42	3.79	0.40	27.97	19.87	4.76	12.32	2.018	0.473
2/29/2012	10.35	3.02	0.29	29.10	20.17	4.85	13.16	2.066	0.498
3/31/2012	10.35	3.11	0.30	28.35	20.50	4.95	14.04	2.000	0.523
4/30/2012	11.04	2.99	0.27	25.50	20.83	5.04	14.80	1.724	0.542
5/31/2012	10.77	2.50	0.23	13.84	21.16	5.12	15.23	0.987	0.549
6/30/2012	10.46	2.68	0.26	26.93	21.47	5.20	16.04	1.943	0.570
7/31/2012	9.99	2.74	0.27	21.90	21.78	5.28	16.72	1.632	0.585
8/31/2012	9.50	2.30	0.24	21.61	22.08	5.35	17.39	1.735	0.600
9/30/2012	9.33	2.30	0.25	19.93	22.36	5.42	17.99	1.624	0.613
10/31/2012	9.61	2.55	0.27	20.03	22.66	5.50	18.61	1.561	0.626
11/30/2012	9.78	2.50	0.26	9.23	22.95	5.57	18.89	0.713	0.627
12/31/2012	9.15	2.73	0.30	20.58	23.23	5.66	19.52	1.644	0.640
1/31/2013	9.11	2.36	0.26	22.84	23.52	5.73	20.23	1.887	0.655
2/28/2013	8.73	3.02	0.35	19.75	23.76	5.82	20.79	1.599	0.666
3/31/2013	8.62	3.35	0.39	19.06	24.03	5.92	21.38	1.516	0.676
4/30/2013	8.00	3.34	0.42	19.93	24.27	6.02	21.97	1.676	0.687
5/31/2013	8.25	3.23	0.39	19.00	24.52	6.12	22.56	1.576	0.698
6/30/2013	8.04	3.54	0.44	12.37	24.76	6.23	22.93	1.018	0.701
7/31/2013	8.21	3.54	0.43		25.02	6.34	22.93	0.000	0.693



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
8/31/2013	8.20	2.82	0.34	11.87	25.27	6.42	23.30	1.024	0.697
9/30/2013	8.14	2.44	0.30	19.07	25.52	6.50	23.87	1.711	0.707
10/31/2013	6.90	2.17	0.31	17.39	25.73	6.57	24.41	1.819	0.716
11/30/2013	7.59	2.56	0.34	18.80	25.96	6.64	24.98	1.760	0.726
12/31/2013	7.90	2.73	0.35	26.26	26.20	6.73	25.79	2.350	0.742

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.49 m3/m3

Pattern: 02/08-10-008-29Inj Set: Unit#3

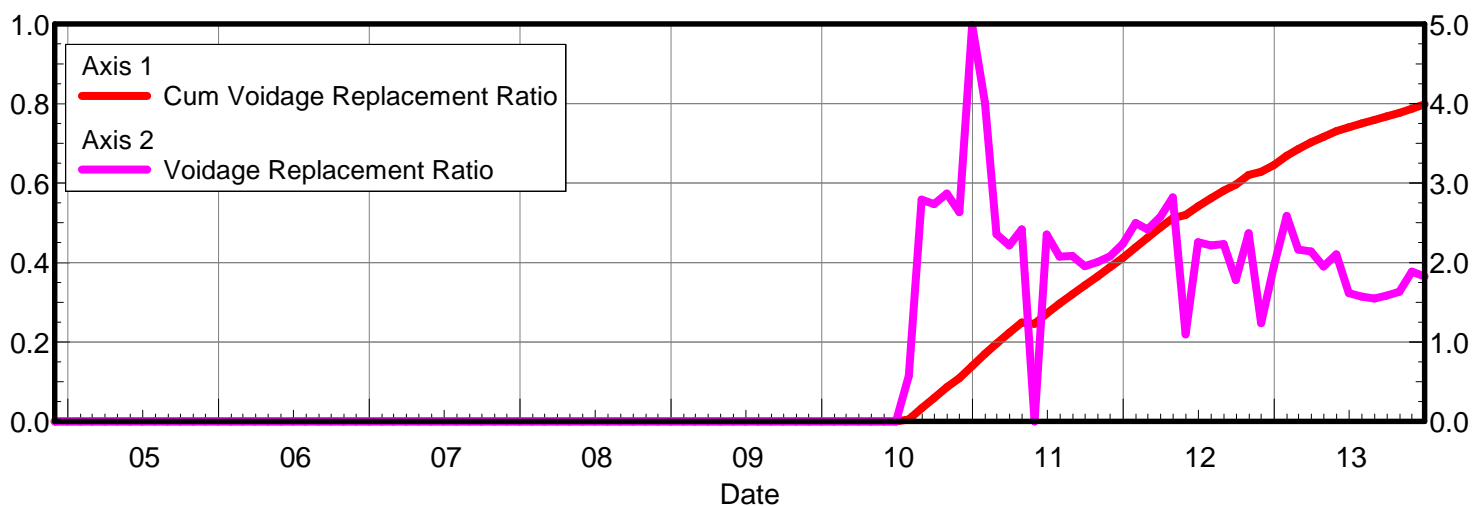
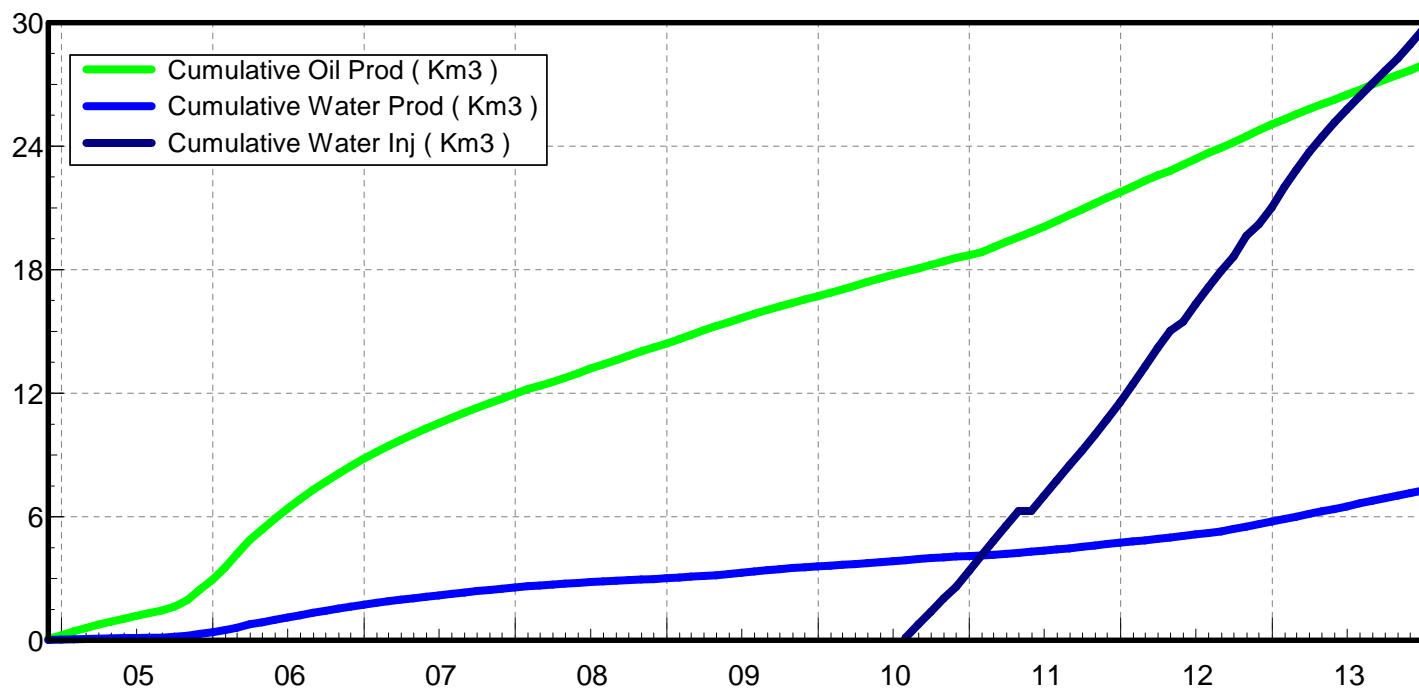
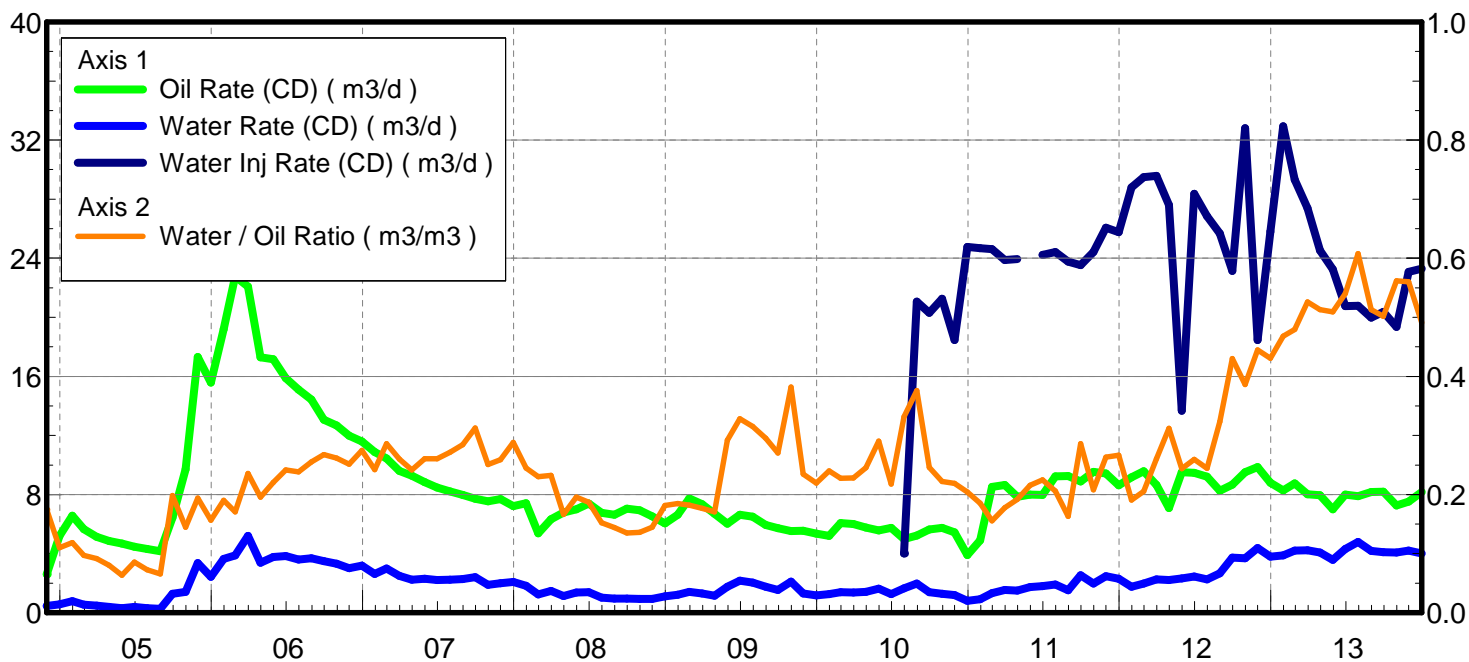
March 09, 2014

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 8.18 m3/d

Water Rate (CD) : 4.01 m3/d

Water Inj Rate (CD) : 23.29 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
11/30/2004	2.61	0.46	0.17		0.08	0.01	0.00	0.000	0.000
12/31/2004	5.21	0.57	0.11		0.24	0.03	0.00	0.000	0.000
1/31/2005	6.56	0.78	0.12		0.44	0.06	0.00	0.000	0.000
2/28/2005	5.67	0.55	0.10		0.60	0.07	0.00	0.000	0.000
3/31/2005	5.13	0.47	0.09		0.76	0.09	0.00	0.000	0.000
4/30/2005	4.86	0.39	0.08		0.91	0.10	0.00	0.000	0.000
5/31/2005	4.68	0.30	0.06		1.05	0.11	0.00	0.000	0.000
6/30/2005	4.46	0.38	0.09		1.19	0.12	0.00	0.000	0.000
7/31/2005	4.32	0.31	0.07		1.32	0.13	0.00	0.000	0.000
8/31/2005	4.17	0.27	0.07		1.45	0.14	0.00	0.000	0.000
9/30/2005	6.43	1.27	0.20		1.64	0.17	0.00	0.000	0.000
10/31/2005	9.71	1.41	0.14		1.94	0.22	0.00	0.000	0.000
11/30/2005	17.31	3.36	0.19		2.46	0.32	0.00	0.000	0.000
12/31/2005	15.59	2.44	0.16		2.95	0.39	0.00	0.000	0.000
1/31/2006	19.21	3.65	0.19		3.54	0.51	0.00	0.000	0.000
2/28/2006	22.78	3.89	0.17		4.18	0.62	0.00	0.000	0.000
3/31/2006	22.09	5.20	0.24		4.86	0.78	0.00	0.000	0.000
4/30/2006	17.30	3.38	0.20		5.38	0.88	0.00	0.000	0.000
5/31/2006	17.16	3.78	0.22		5.91	1.00	0.00	0.000	0.000
6/30/2006	15.87	3.84	0.24		6.39	1.11	0.00	0.000	0.000
7/31/2006	15.10	3.60	0.24		6.86	1.22	0.00	0.000	0.000
8/31/2006	14.44	3.68	0.25		7.31	1.34	0.00	0.000	0.000
9/30/2006	13.07	3.50	0.27		7.70	1.44	0.00	0.000	0.000
10/31/2006	12.67	3.31	0.26		8.09	1.54	0.00	0.000	0.000
11/30/2006	11.98	3.01	0.25		8.45	1.63	0.00	0.000	0.000
12/31/2006	11.60	3.19	0.27		8.81	1.73	0.00	0.000	0.000
1/31/2007	10.89	2.63	0.24		9.15	1.82	0.00	0.000	0.000
2/28/2007	10.45	2.99	0.29		9.44	1.90	0.00	0.000	0.000
3/31/2007	9.60	2.49	0.26		9.74	1.98	0.00	0.000	0.000
4/30/2007	9.28	2.24	0.24		10.02	2.04	0.00	0.000	0.000
5/31/2007	8.84	2.31	0.26		10.29	2.11	0.00	0.000	0.000
6/30/2007	8.47	2.21	0.26		10.54	2.18	0.00	0.000	0.000
7/31/2007	8.21	2.23	0.27		10.80	2.25	0.00	0.000	0.000
8/31/2007	7.99	2.27	0.28		11.05	2.32	0.00	0.000	0.000
9/30/2007	7.72	2.41	0.31		11.28	2.39	0.00	0.000	0.000
10/31/2007	7.55	1.90	0.25		11.51	2.45	0.00	0.000	0.000
11/30/2007	7.69	1.99	0.26		11.74	2.51	0.00	0.000	0.000
12/31/2007	7.21	2.08	0.29		11.97	2.58	0.00	0.000	0.000
1/31/2008	7.41	1.81	0.24		12.20	2.63	0.00	0.000	0.000
2/29/2008	5.37	1.24	0.23		12.35	2.67	0.00	0.000	0.000
3/31/2008	6.33	1.47	0.23		12.55	2.71	0.00	0.000	0.000
4/30/2008	6.78	1.13	0.17		12.75	2.75	0.00	0.000	0.000
5/31/2008	7.00	1.37	0.20		12.97	2.79	0.00	0.000	0.000
6/30/2008	7.38	1.38	0.19		13.19	2.83	0.00	0.000	0.000
7/31/2008	6.75	1.03	0.15		13.40	2.86	0.00	0.000	0.000
8/31/2008	6.63	0.95	0.14		13.60	2.89	0.00	0.000	0.000
9/30/2008	7.04	0.95	0.13		13.82	2.92	0.00	0.000	0.000
10/31/2008	6.94	0.94	0.14		14.03	2.95	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
11/30/2008	6.51	0.94	0.14		14.23	2.98	0.00	0.000	0.000
12/31/2008	6.05	1.10	0.18		14.41	3.01	0.00	0.000	0.000
1/31/2009	6.63	1.23	0.18		14.62	3.05	0.00	0.000	0.000
2/28/2009	7.74	1.41	0.18		14.84	3.09	0.00	0.000	0.000
3/31/2009	7.36	1.30	0.18		15.06	3.13	0.00	0.000	0.000
4/30/2009	6.69	1.14	0.17		15.26	3.16	0.00	0.000	0.000
5/31/2009	6.02	1.76	0.29		15.45	3.22	0.00	0.000	0.000
6/30/2009	6.63	2.18	0.33		15.65	3.28	0.00	0.000	0.000
7/31/2009	6.49	2.05	0.32		15.85	3.35	0.00	0.000	0.000
8/31/2009	5.94	1.75	0.30		16.04	3.40	0.00	0.000	0.000
9/30/2009	5.72	1.55	0.27		16.21	3.45	0.00	0.000	0.000
10/31/2009	5.53	2.11	0.38		16.38	3.51	0.00	0.000	0.000
11/30/2009	5.55	1.30	0.23		16.55	3.55	0.00	0.000	0.000
12/31/2009	5.35	1.17	0.22		16.71	3.59	0.00	0.000	0.000
1/31/2010	5.20	1.25	0.24		16.87	3.63	0.00	0.000	0.000
2/28/2010	6.06	1.38	0.23		17.04	3.67	0.00	0.000	0.000
3/31/2010	5.99	1.37	0.23		17.23	3.71	0.00	0.000	0.000
4/30/2010	5.77	1.42	0.25		17.40	3.75	0.00	0.000	0.000
5/31/2010	5.57	1.62	0.29		17.57	3.80	0.00	0.000	0.000
6/30/2010	5.74	1.25	0.22		17.75	3.84	0.00	0.000	0.000
7/31/2010	4.99	1.65	0.33	4.00	17.90	3.89	0.12	0.573	0.005
8/31/2010	5.22	1.96	0.38	21.06	18.06	3.95	0.78	2.791	0.033
9/30/2010	5.64	1.39	0.25	20.30	18.23	3.99	1.39	2.735	0.059
10/31/2010	5.74	1.28	0.22	21.26	18.41	4.03	2.04	2.867	0.086
11/30/2010	5.44	1.19	0.22	18.47	18.57	4.07	2.60	2.636	0.109
12/31/2010	3.90	0.80	0.20	24.77	18.69	4.09	3.37	4.989	0.140
1/31/2011	4.90	0.91	0.19	24.68	18.85	4.12	4.13	4.011	0.170
2/28/2011	8.52	1.33	0.16	24.61	19.08	4.16	4.82	2.357	0.196
3/31/2011	8.64	1.54	0.18	23.87	19.35	4.21	5.56	2.215	0.223
4/30/2011	7.85	1.51	0.19	23.93	19.59	4.25	6.28	2.417	0.249
5/31/2011	8.00	1.73	0.22		19.84	4.31	6.28	0.000	0.246
6/30/2011	7.97	1.79	0.22	24.23	20.07	4.36	7.01	2.351	0.271
7/31/2011	9.24	1.90	0.21	24.42	20.36	4.42	7.76	2.073	0.296
8/31/2011	9.26	1.51	0.16	23.77	20.65	4.46	8.50	2.084	0.320
9/30/2011	8.88	2.54	0.29	23.53	20.91	4.54	9.21	1.955	0.342
10/31/2011	9.53	1.98	0.21	24.42	21.21	4.60	9.96	2.005	0.365
11/30/2011	9.42	2.48	0.26	26.07	21.49	4.68	10.74	2.077	0.388
12/31/2011	8.63	2.30	0.27	25.77	21.76	4.75	11.54	2.236	0.412
1/31/2012	9.16	1.75	0.19	28.81	22.04	4.80	12.44	2.496	0.438
2/29/2012	9.57	1.97	0.21	29.48	22.32	4.86	13.29	2.415	0.463
3/31/2012	8.64	2.25	0.26	29.58	22.59	4.93	14.21	2.574	0.489
4/30/2012	7.09	2.21	0.31	27.60	22.80	5.00	15.04	2.820	0.512
5/31/2012	9.51	2.32	0.24	13.68	23.10	5.07	15.46	1.095	0.519
6/30/2012	9.46	2.46	0.26	28.37	23.38	5.14	16.31	2.256	0.541
7/31/2012	9.21	2.25	0.24	26.84	23.67	5.21	17.14	2.217	0.562
8/31/2012	8.26	2.67	0.32	25.68	23.92	5.29	17.94	2.231	0.581
9/30/2012	8.67	3.73	0.43	23.13	24.18	5.41	18.63	1.779	0.596
10/31/2012	9.52	3.68	0.39	32.81	24.48	5.52	19.65	2.367	0.620

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
11/30/2012	9.86	4.38	0.44	18.47	24.77	5.65	20.20	1.237	0.629
12/31/2012	8.80	3.79	0.43	25.81	25.05	5.77	21.00	1.955	0.645
1/31/2013	8.28	3.88	0.47	32.94	25.30	5.89	22.03	2.587	0.669
2/28/2013	8.75	4.19	0.48	29.32	25.55	6.01	22.85	2.164	0.686
3/31/2013	8.03	4.22	0.53	27.39	25.80	6.14	23.70	2.139	0.703
4/30/2013	7.95	4.08	0.51	24.53	26.04	6.26	24.43	1.950	0.716
5/31/2013	7.00	3.57	0.51	23.26	26.25	6.37	25.15	2.103	0.730
6/30/2013	7.99	4.32	0.54	20.77	26.49	6.50	25.78	1.615	0.740
7/31/2013	7.89	4.79	0.61	20.77	26.74	6.65	26.42	1.571	0.750
8/31/2013	8.16	4.19	0.51	19.97	26.99	6.78	27.04	1.546	0.759
9/30/2013	8.19	4.11	0.50	20.37	27.23	6.90	27.65	1.583	0.768
10/31/2013	7.27	4.08	0.56	19.35	27.46	7.03	28.25	1.633	0.776
11/30/2013	7.51	4.21	0.56	23.07	27.69	7.15	28.94	1.884	0.787
12/31/2013	8.18	4.01	0.49	23.29	27.94	7.28	29.66	1.826	0.798

# Pattern: 02/16-10-008-29Inj Set: Unit#3

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.57 m3/m3

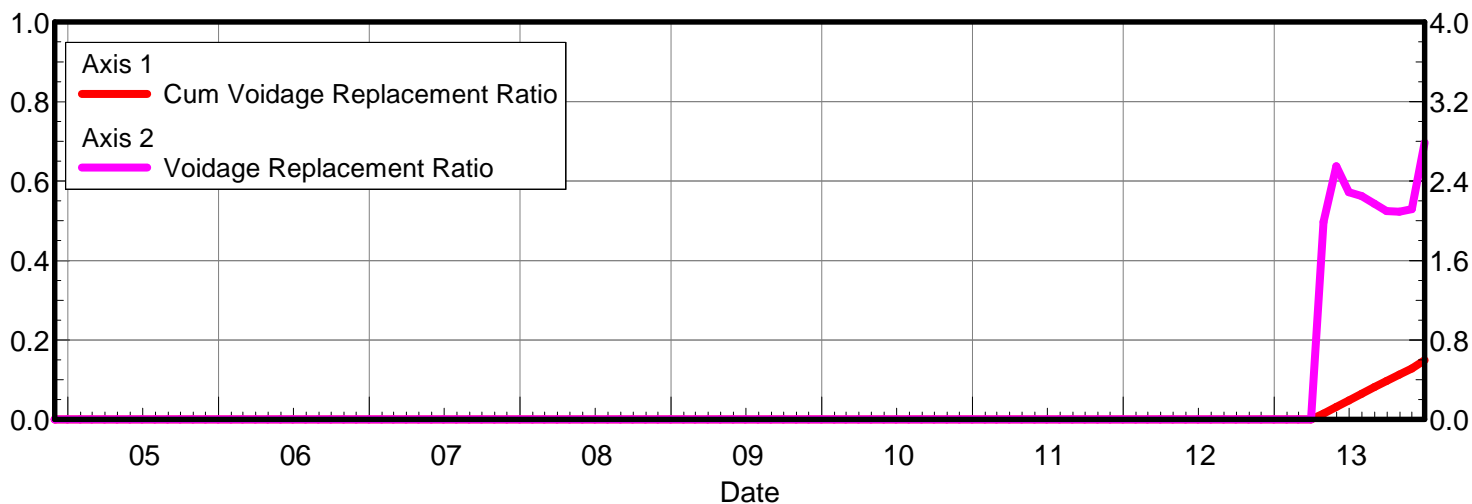
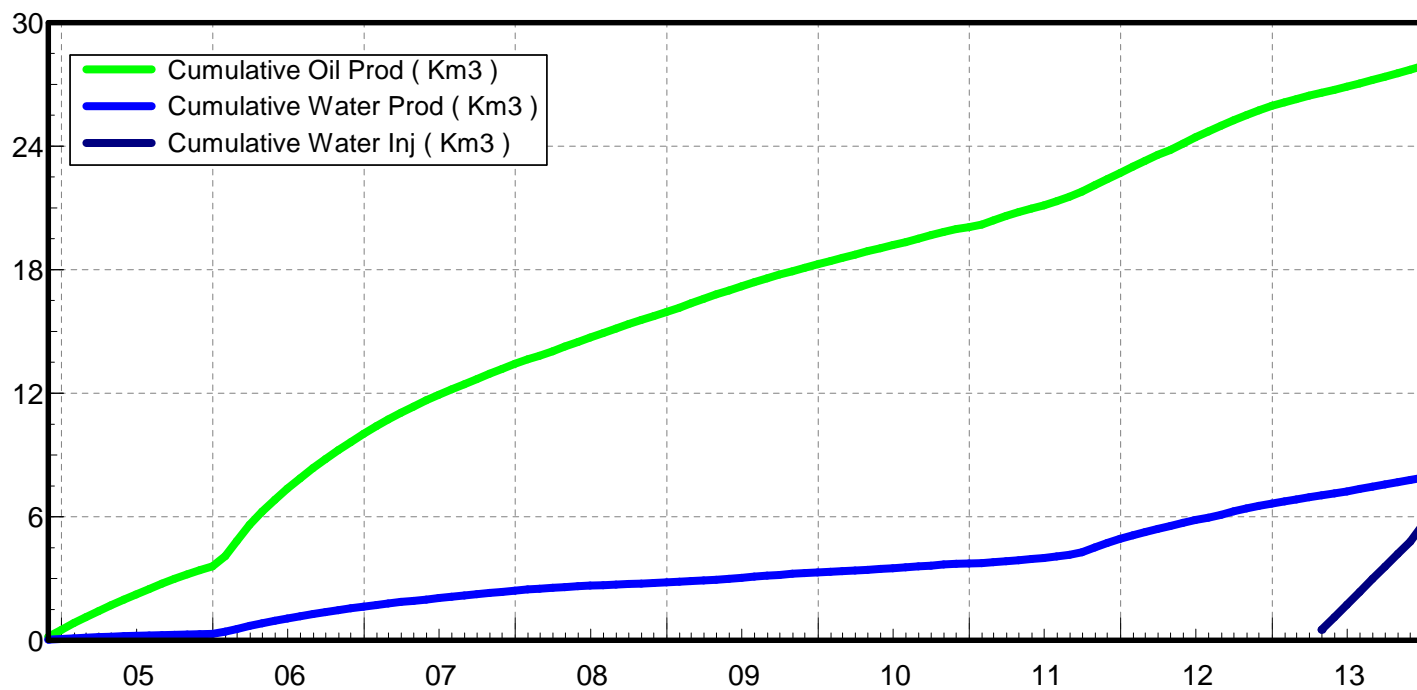
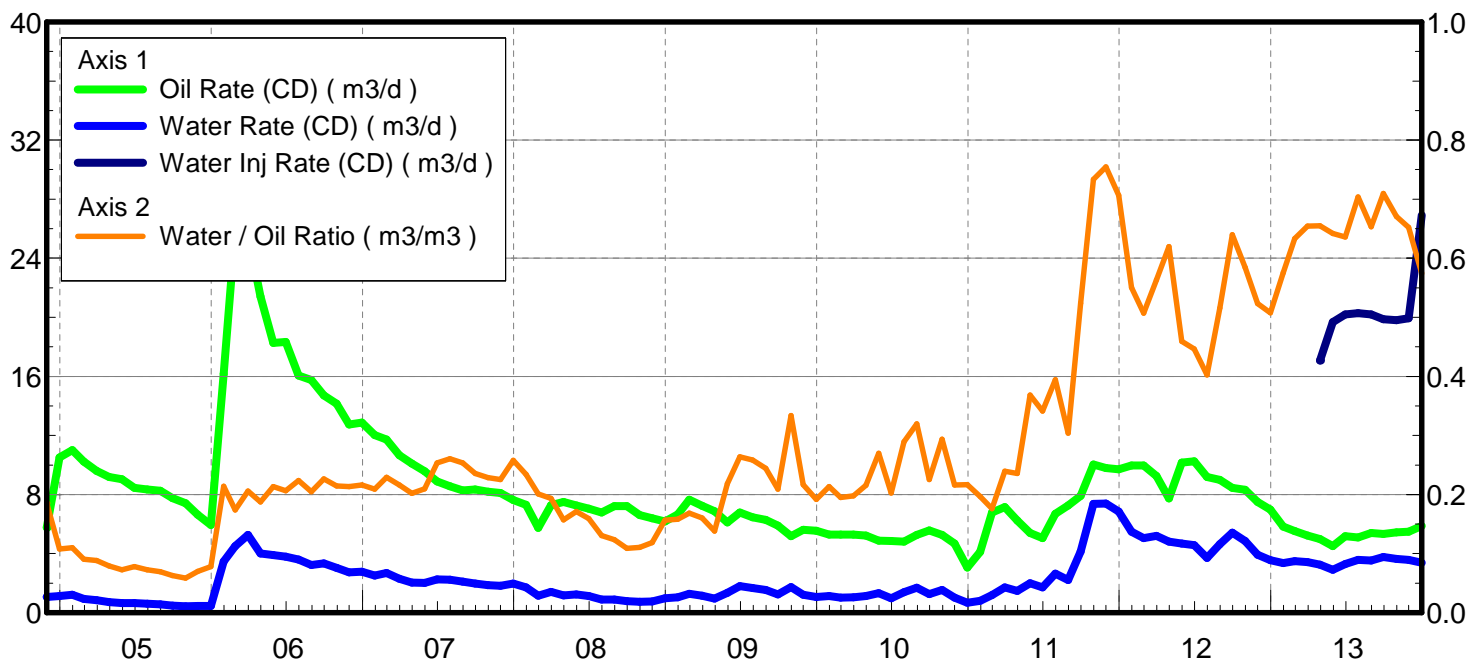
March 09, 2014

Operator: Tundra\_O&G\_Prtnshp

Oil Rate (CD) : 5.88 m3/d

Water Rate (CD) : 3.37 m3/d

Water Inj Rate (CD) : 26.90 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
11/30/2004	5.78	1.07	0.19		0.17	0.03	0.00	0.000	0.000
12/31/2004	10.52	1.13	0.11		0.50	0.07	0.00	0.000	0.000
1/31/2005	11.01	1.21	0.11		0.84	0.10	0.00	0.000	0.000
2/28/2005	10.24	0.93	0.09		1.13	0.13	0.00	0.000	0.000
3/31/2005	9.59	0.85	0.09		1.42	0.16	0.00	0.000	0.000
4/30/2005	9.18	0.72	0.08		1.70	0.18	0.00	0.000	0.000
5/31/2005	9.04	0.66	0.07		1.98	0.20	0.00	0.000	0.000
6/30/2005	8.46	0.66	0.08		2.23	0.22	0.00	0.000	0.000
7/31/2005	8.33	0.61	0.07		2.49	0.24	0.00	0.000	0.000
8/31/2005	8.25	0.57	0.07		2.75	0.26	0.00	0.000	0.000
9/30/2005	7.75	0.49	0.06		2.98	0.27	0.00	0.000	0.000
10/31/2005	7.42	0.43	0.06		3.21	0.28	0.00	0.000	0.000
11/30/2005	6.63	0.47	0.07		3.41	0.30	0.00	0.000	0.000
12/31/2005	5.95	0.46	0.08		3.59	0.31	0.00	0.000	0.000
1/31/2006	16.17	3.46	0.21		4.10	0.42	0.00	0.000	0.000
2/28/2006	25.88	4.50	0.17		4.82	0.55	0.00	0.000	0.000
3/31/2006	25.62	5.28	0.21		5.61	0.71	0.00	0.000	0.000
4/30/2006	21.40	4.02	0.19		6.26	0.83	0.00	0.000	0.000
5/31/2006	18.26	3.89	0.21		6.82	0.95	0.00	0.000	0.000
6/30/2006	18.33	3.79	0.21		7.37	1.06	0.00	0.000	0.000
7/31/2006	16.07	3.59	0.22		7.87	1.17	0.00	0.000	0.000
8/31/2006	15.74	3.23	0.20		8.36	1.27	0.00	0.000	0.000
9/30/2006	14.72	3.33	0.23		8.80	1.37	0.00	0.000	0.000
10/31/2006	14.16	3.04	0.21		9.24	1.47	0.00	0.000	0.000
11/30/2006	12.74	2.72	0.21		9.62	1.55	0.00	0.000	0.000
12/31/2006	12.88	2.78	0.22		10.02	1.64	0.00	0.000	0.000
1/31/2007	12.04	2.52	0.21		10.39	1.72	0.00	0.000	0.000
2/28/2007	11.72	2.69	0.23		10.72	1.79	0.00	0.000	0.000
3/31/2007	10.67	2.30	0.22		11.05	1.86	0.00	0.000	0.000
4/30/2007	10.09	2.04	0.20		11.36	1.92	0.00	0.000	0.000
5/31/2007	9.58	2.01	0.21		11.65	1.99	0.00	0.000	0.000
6/30/2007	8.88	2.25	0.25		11.92	2.05	0.00	0.000	0.000
7/31/2007	8.55	2.23	0.26		12.18	2.12	0.00	0.000	0.000
8/31/2007	8.29	2.10	0.25		12.44	2.19	0.00	0.000	0.000
9/30/2007	8.34	1.96	0.24		12.69	2.25	0.00	0.000	0.000
10/31/2007	8.19	1.87	0.23		12.94	2.30	0.00	0.000	0.000
11/30/2007	8.10	1.83	0.23		13.19	2.36	0.00	0.000	0.000
12/31/2007	7.63	1.97	0.26		13.42	2.42	0.00	0.000	0.000
1/31/2008	7.30	1.71	0.23		13.65	2.47	0.00	0.000	0.000
2/29/2008	5.74	1.16	0.20		13.82	2.51	0.00	0.000	0.000
3/31/2008	7.29	1.41	0.19		14.04	2.55	0.00	0.000	0.000
4/30/2008	7.49	1.18	0.16		14.27	2.59	0.00	0.000	0.000
5/31/2008	7.27	1.24	0.17		14.49	2.62	0.00	0.000	0.000
6/30/2008	7.05	1.12	0.16		14.70	2.66	0.00	0.000	0.000
7/31/2008	6.79	0.89	0.13		14.91	2.68	0.00	0.000	0.000
8/31/2008	7.23	0.89	0.12		15.14	2.71	0.00	0.000	0.000
9/30/2008	7.21	0.79	0.11		15.35	2.74	0.00	0.000	0.000
10/31/2008	6.62	0.73	0.11		15.56	2.76	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
11/30/2008	6.40	0.76	0.12		15.75	2.78	0.00	0.000	0.000
12/31/2008	6.18	0.97	0.16		15.94	2.81	0.00	0.000	0.000
1/31/2009	6.64	1.05	0.16		16.15	2.84	0.00	0.000	0.000
2/28/2009	7.66	1.29	0.17		16.36	2.88	0.00	0.000	0.000
3/31/2009	7.24	1.16	0.16		16.59	2.92	0.00	0.000	0.000
4/30/2009	6.88	0.95	0.14		16.79	2.94	0.00	0.000	0.000
5/31/2009	6.11	1.34	0.22		16.98	2.99	0.00	0.000	0.000
6/30/2009	6.78	1.79	0.26		17.19	3.04	0.00	0.000	0.000
7/31/2009	6.47	1.67	0.26		17.39	3.09	0.00	0.000	0.000
8/31/2009	6.28	1.53	0.24		17.58	3.14	0.00	0.000	0.000
9/30/2009	5.89	1.23	0.21		17.76	3.18	0.00	0.000	0.000
10/31/2009	5.18	1.73	0.33		17.92	3.23	0.00	0.000	0.000
11/30/2009	5.60	1.21	0.22		18.09	3.27	0.00	0.000	0.000
12/31/2009	5.55	1.06	0.19		18.26	3.30	0.00	0.000	0.000
1/31/2010	5.29	1.13	0.21		18.42	3.33	0.00	0.000	0.000
2/28/2010	5.28	1.03	0.19		18.57	3.36	0.00	0.000	0.000
3/31/2010	5.29	1.05	0.20		18.74	3.40	0.00	0.000	0.000
4/30/2010	5.22	1.13	0.22		18.89	3.43	0.00	0.000	0.000
5/31/2010	4.89	1.32	0.27		19.04	3.47	0.00	0.000	0.000
6/30/2010	4.87	0.98	0.20		19.19	3.50	0.00	0.000	0.000
7/31/2010	4.82	1.39	0.29		19.34	3.54	0.00	0.000	0.000
8/31/2010	5.27	1.68	0.32		19.50	3.59	0.00	0.000	0.000
9/30/2010	5.57	1.25	0.23		19.67	3.63	0.00	0.000	0.000
10/31/2010	5.27	1.55	0.29		19.83	3.68	0.00	0.000	0.000
11/30/2010	4.68	1.01	0.22		19.97	3.71	0.00	0.000	0.000
12/31/2010	3.06	0.66	0.22		20.07	3.73	0.00	0.000	0.000
1/31/2011	4.12	0.81	0.20		20.20	3.76	0.00	0.000	0.000
2/28/2011	6.79	1.20	0.18		20.39	3.79	0.00	0.000	0.000
3/31/2011	7.16	1.71	0.24		20.61	3.84	0.00	0.000	0.000
4/30/2011	6.25	1.47	0.24		20.80	3.89	0.00	0.000	0.000
5/31/2011	5.40	1.99	0.37		20.96	3.95	0.00	0.000	0.000
6/30/2011	5.04	1.72	0.34		21.11	4.00	0.00	0.000	0.000
7/31/2011	6.69	2.64	0.39		21.32	4.08	0.00	0.000	0.000
8/31/2011	7.26	2.21	0.30		21.55	4.15	0.00	0.000	0.000
9/30/2011	7.92	4.14	0.52		21.78	4.27	0.00	0.000	0.000
10/31/2011	10.04	7.37	0.73		22.09	4.50	0.00	0.000	0.000
11/30/2011	9.79	7.38	0.75		22.39	4.72	0.00	0.000	0.000
12/31/2011	9.70	6.85	0.71		22.69	4.94	0.00	0.000	0.000
1/31/2012	9.98	5.49	0.55		23.00	5.11	0.00	0.000	0.000
2/29/2012	9.96	5.05	0.51		23.29	5.25	0.00	0.000	0.000
3/31/2012	9.25	5.21	0.56		23.57	5.42	0.00	0.000	0.000
4/30/2012	7.75	4.80	0.62		23.81	5.56	0.00	0.000	0.000
5/31/2012	10.17	4.67	0.46		24.12	5.70	0.00	0.000	0.000
6/30/2012	10.26	4.58	0.45		24.43	5.84	0.00	0.000	0.000
7/31/2012	9.19	3.70	0.40		24.71	5.96	0.00	0.000	0.000
8/31/2012	9.00	4.64	0.52		24.99	6.10	0.00	0.000	0.000
9/30/2012	8.46	5.41	0.64		25.25	6.26	0.00	0.000	0.000
10/31/2012	8.31	4.86	0.58		25.50	6.41	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
11/30/2012	7.51	3.93	0.52		25.73	6.53	0.00	0.000	0.000
12/31/2012	6.99	3.55	0.51		25.95	6.64	0.00	0.000	0.000
1/31/2013	5.84	3.36	0.58		26.13	6.75	0.00	0.000	0.000
2/28/2013	5.52	3.49	0.63		26.28	6.84	0.00	0.000	0.000
3/31/2013	5.23	3.42	0.65		26.44	6.95	0.00	0.000	0.000
4/30/2013	4.98	3.26	0.65	17.07	26.59	7.05	0.51	1.987	0.014
5/31/2013	4.51	2.90	0.64	19.68	26.73	7.14	1.12	2.547	0.031
6/30/2013	5.18	3.29	0.64	20.20	26.89	7.24	1.73	2.288	0.048
7/31/2013	5.09	3.58	0.70	20.29	27.05	7.35	2.36	2.249	0.065
8/31/2013	5.40	3.53	0.65	20.19	27.21	7.46	2.98	2.170	0.082
9/30/2013	5.33	3.78	0.71	19.87	27.37	7.57	3.58	2.097	0.097
10/31/2013	5.44	3.65	0.67	19.81	27.54	7.68	4.19	2.092	0.113
11/30/2013	5.47	3.57	0.65	19.93	27.71	7.79	4.79	2.116	0.128
12/31/2013	5.88	3.37	0.57	26.90	27.89	7.89	5.63	2.786	0.149

# Pattern: 02/04-11-008-29Inj Set: Unit#3

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.38 m3/m3

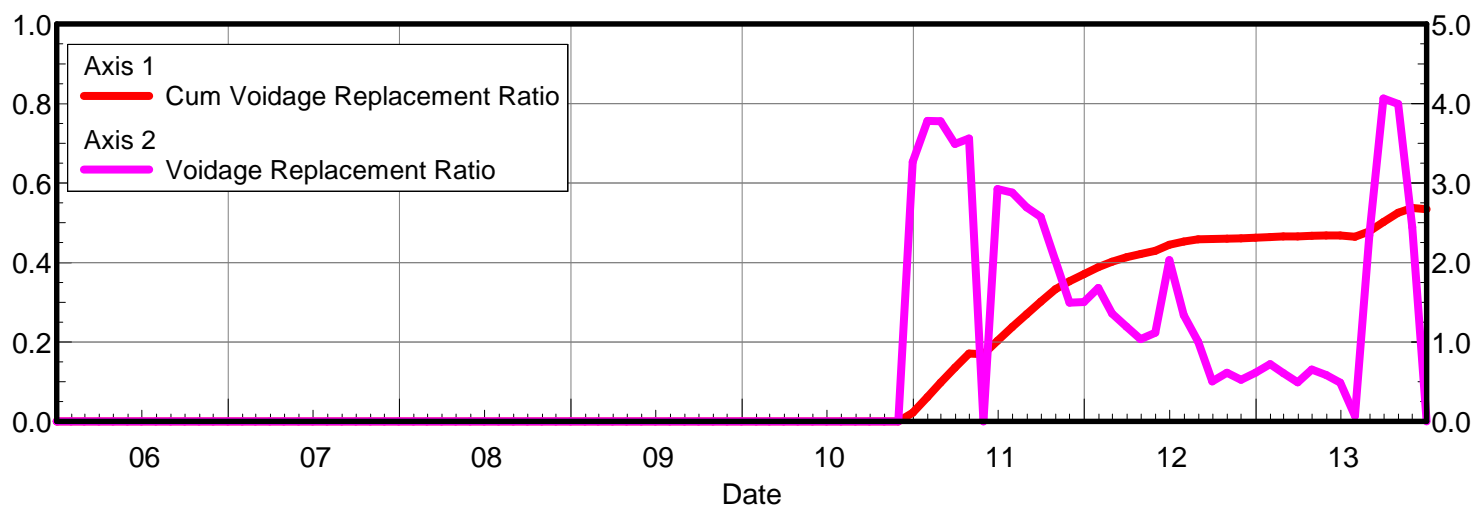
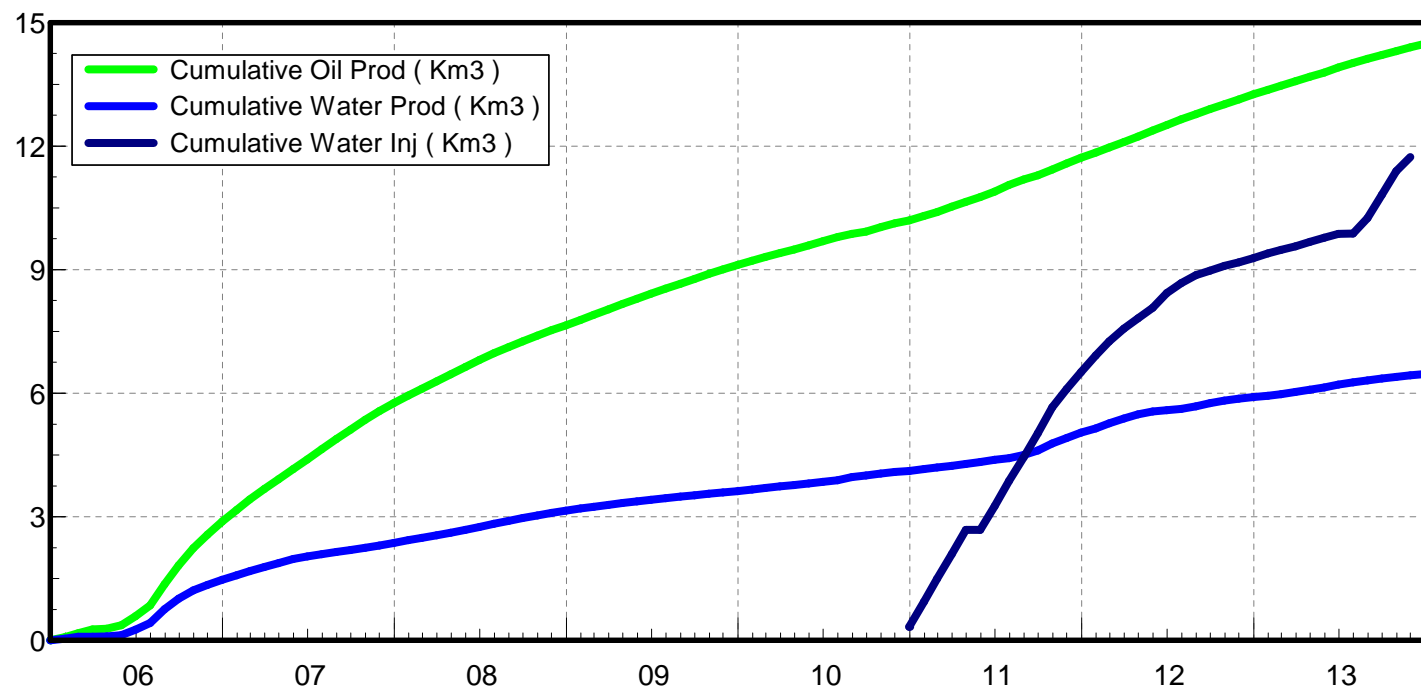
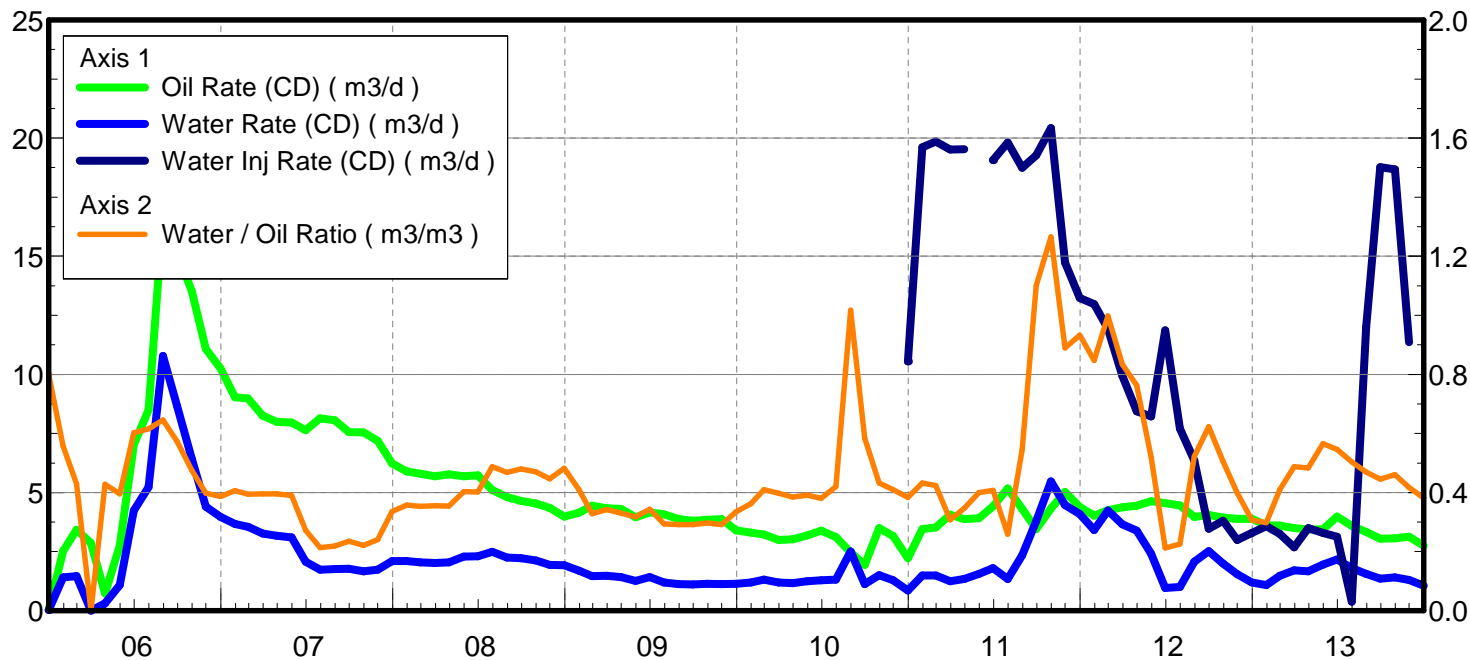
March 09, 2014

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 2.76 m3/d

Water Rate (CD) : 1.05 m3/d

Water Inj Rate (CD) : 11.37 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
12/31/2005	0.04	0.03	0.80		0.00	0.00	0.00	0.000	0.000
1/31/2006	2.52	1.40	0.56		0.08	0.04	0.00	0.000	0.000
2/28/2006	3.43	1.47	0.43		0.18	0.09	0.00	0.000	0.000
3/31/2006	2.85	0.00	0.00		0.26	0.09	0.00	0.000	0.000
4/30/2006	0.73	0.31	0.43		0.29	0.10	0.00	0.000	0.000
5/31/2006	2.75	1.09	0.40		0.37	0.13	0.00	0.000	0.000
6/30/2006	7.04	4.24	0.60		0.58	0.26	0.00	0.000	0.000
7/31/2006	8.49	5.22	0.62		0.85	0.42	0.00	0.000	0.000
8/31/2006	16.70	10.78	0.65		1.36	0.75	0.00	0.000	0.000
9/30/2006	15.13	8.67	0.57		1.82	1.01	0.00	0.000	0.000
10/31/2006	13.53	6.44	0.48		2.24	1.21	0.00	0.000	0.000
11/30/2006	11.08	4.40	0.40		2.57	1.34	0.00	0.000	0.000
12/31/2006	10.25	3.97	0.39		2.89	1.47	0.00	0.000	0.000
1/31/2007	9.03	3.66	0.41		3.17	1.58	0.00	0.000	0.000
2/28/2007	8.98	3.55	0.39		3.42	1.68	0.00	0.000	0.000
3/31/2007	8.25	3.26	0.40		3.67	1.78	0.00	0.000	0.000
4/30/2007	8.00	3.17	0.40		3.91	1.88	0.00	0.000	0.000
5/31/2007	7.96	3.11	0.39		4.16	1.97	0.00	0.000	0.000
6/30/2007	7.63	2.08	0.27		4.39	2.03	0.00	0.000	0.000
7/31/2007	8.14	1.74	0.21		4.64	2.09	0.00	0.000	0.000
8/31/2007	8.06	1.76	0.22		4.89	2.14	0.00	0.000	0.000
9/30/2007	7.55	1.78	0.24		5.12	2.20	0.00	0.000	0.000
10/31/2007	7.54	1.67	0.22		5.35	2.25	0.00	0.000	0.000
11/30/2007	7.19	1.73	0.24		5.57	2.30	0.00	0.000	0.000
12/31/2007	6.24	2.10	0.34		5.76	2.37	0.00	0.000	0.000
1/31/2008	5.89	2.10	0.36		5.94	2.43	0.00	0.000	0.000
2/29/2008	5.79	2.05	0.35		6.11	2.49	0.00	0.000	0.000
3/31/2008	5.70	2.02	0.36		6.29	2.55	0.00	0.000	0.000
4/30/2008	5.77	2.05	0.35		6.46	2.61	0.00	0.000	0.000
5/31/2008	5.69	2.29	0.40		6.64	2.69	0.00	0.000	0.000
6/30/2008	5.73	2.31	0.40		6.81	2.75	0.00	0.000	0.000
7/31/2008	5.11	2.49	0.49		6.97	2.83	0.00	0.000	0.000
8/31/2008	4.80	2.25	0.47		7.12	2.90	0.00	0.000	0.000
9/30/2008	4.64	2.23	0.48		7.26	2.97	0.00	0.000	0.000
10/31/2008	4.54	2.13	0.47		7.40	3.03	0.00	0.000	0.000
11/30/2008	4.35	1.94	0.45		7.53	3.09	0.00	0.000	0.000
12/31/2008	3.98	1.92	0.48		7.65	3.15	0.00	0.000	0.000
1/31/2009	4.15	1.70	0.41		7.78	3.20	0.00	0.000	0.000
2/28/2009	4.44	1.46	0.33		7.90	3.25	0.00	0.000	0.000
3/31/2009	4.33	1.48	0.34		8.04	3.29	0.00	0.000	0.000
4/30/2009	4.31	1.42	0.33		8.17	3.33	0.00	0.000	0.000
5/31/2009	3.96	1.26	0.32		8.29	3.37	0.00	0.000	0.000
6/30/2009	4.15	1.43	0.34		8.41	3.42	0.00	0.000	0.000
7/31/2009	4.08	1.20	0.29		8.54	3.45	0.00	0.000	0.000
8/31/2009	3.87	1.13	0.29		8.66	3.49	0.00	0.000	0.000
9/30/2009	3.80	1.11	0.29		8.77	3.52	0.00	0.000	0.000
10/31/2009	3.85	1.14	0.30		8.89	3.56	0.00	0.000	0.000
11/30/2009	3.88	1.13	0.29		9.01	3.59	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
12/31/2009	3.40	1.14	0.34		9.12	3.63	0.00	0.000	0.000
1/31/2010	3.31	1.20	0.36		9.22	3.66	0.00	0.000	0.000
2/28/2010	3.22	1.32	0.41		9.31	3.70	0.00	0.000	0.000
3/31/2010	3.00	1.19	0.40		9.40	3.74	0.00	0.000	0.000
4/30/2010	3.02	1.16	0.38		9.49	3.77	0.00	0.000	0.000
5/31/2010	3.19	1.25	0.39		9.59	3.81	0.00	0.000	0.000
6/30/2010	3.38	1.29	0.38		9.69	3.85	0.00	0.000	0.000
7/31/2010	3.12	1.31	0.42		9.79	3.89	0.00	0.000	0.000
8/31/2010	2.46	2.50	1.02		9.87	3.97	0.00	0.000	0.000
9/30/2010	1.94	1.13	0.58		9.92	4.00	0.00	0.000	0.000
10/31/2010	3.50	1.51	0.43		10.03	4.05	0.00	0.000	0.000
11/30/2010	3.15	1.29	0.41		10.13	4.09	0.00	0.000	0.000
12/31/2010	2.22	0.85	0.38	10.55	10.20	4.11	0.33	3.267	0.022
1/31/2011	3.45	1.49	0.43	19.61	10.30	4.16	0.94	3.782	0.062
2/28/2011	3.52	1.49	0.42	19.86	10.40	4.20	1.49	3.779	0.097
3/31/2011	4.06	1.25	0.31	19.52	10.53	4.24	2.10	3.490	0.135
4/30/2011	3.87	1.34	0.35	19.53	10.64	4.28	2.68	3.562	0.171
5/31/2011	3.91	1.56	0.40		10.76	4.33	2.68	0.000	0.169
6/30/2011	4.42	1.80	0.41	19.07	10.90	4.38	3.25	2.924	0.203
7/31/2011	5.18	1.34	0.26	19.81	11.06	4.42	3.87	2.879	0.238
8/31/2011	4.31	2.35	0.54	18.74	11.19	4.50	4.45	2.695	0.270
9/30/2011	3.45	3.80	1.10	19.27	11.29	4.61	5.03	2.572	0.301
10/31/2011	4.32	5.47	1.27	20.42	11.43	4.78	5.66	2.022	0.333
11/30/2011	5.03	4.48	0.89	14.73	11.58	4.92	6.10	1.495	0.353
12/31/2011	4.39	4.09	0.93	13.23	11.72	5.04	6.51	1.505	0.371
1/31/2012	4.03	3.41	0.85	12.97	11.84	5.15	6.91	1.680	0.388
2/29/2012	4.25	4.24	1.00	11.93	11.96	5.27	7.26	1.358	0.402
3/31/2012	4.38	3.65	0.83	9.94	12.10	5.38	7.57	1.192	0.413
4/30/2012	4.45	3.39	0.76	8.43	12.23	5.49	7.82	1.035	0.421
5/31/2012	4.63	2.41	0.52	8.23	12.38	5.56	8.08	1.117	0.430
6/30/2012	4.56	0.97	0.21	11.87	12.51	5.59	8.43	2.032	0.444
7/31/2012	4.46	1.00	0.23	7.71	12.65	5.62	8.67	1.336	0.453
8/31/2012	3.97	2.08	0.52	6.35	12.77	5.69	8.87	1.005	0.458
9/30/2012	4.05	2.52	0.62	3.47	12.90	5.76	8.97	0.506	0.459
10/31/2012	3.94	1.99	0.50	3.81	13.02	5.82	9.09	0.615	0.460
11/30/2012	3.88	1.55	0.40	3.00	13.13	5.87	9.18	0.526	0.461
12/31/2012	3.89	1.19	0.31	3.29	13.26	5.91	9.28	0.615	0.462
1/31/2013	3.62	1.08	0.30	3.58	13.37	5.94	9.39	0.723	0.464
2/28/2013	3.60	1.48	0.41	3.25	13.47	5.98	9.48	0.610	0.465
3/31/2013	3.50	1.70	0.49	2.68	13.58	6.03	9.57	0.492	0.465
4/30/2013	3.45	1.67	0.48	3.50	13.68	6.08	9.67	0.654	0.467
5/31/2013	3.44	1.95	0.57	3.29	13.79	6.14	9.77	0.585	0.468
6/30/2013	3.98	2.17	0.55	3.13	13.91	6.21	9.87	0.488	0.468
7/31/2013	3.59	1.81	0.50	0.39	14.02	6.26	9.88	0.069	0.465
8/31/2013	3.33	1.56	0.47	12.00	14.12	6.31	10.25	2.344	0.479
9/30/2013	3.05	1.36	0.45	18.77	14.21	6.35	10.82	4.064	0.502
10/31/2013	3.05	1.41	0.46	18.68	14.31	6.40	11.39	3.995	0.525
11/30/2013	3.13	1.31	0.42	11.37	14.40	6.44	11.73	2.443	0.537

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
12/31/2013	2.76	1.05	0.38		14.49	6.47	11.73	0.000	0.534

# Pattern: 02/05-11-008-29Inj Set: Unit#3

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.44 m3/m3

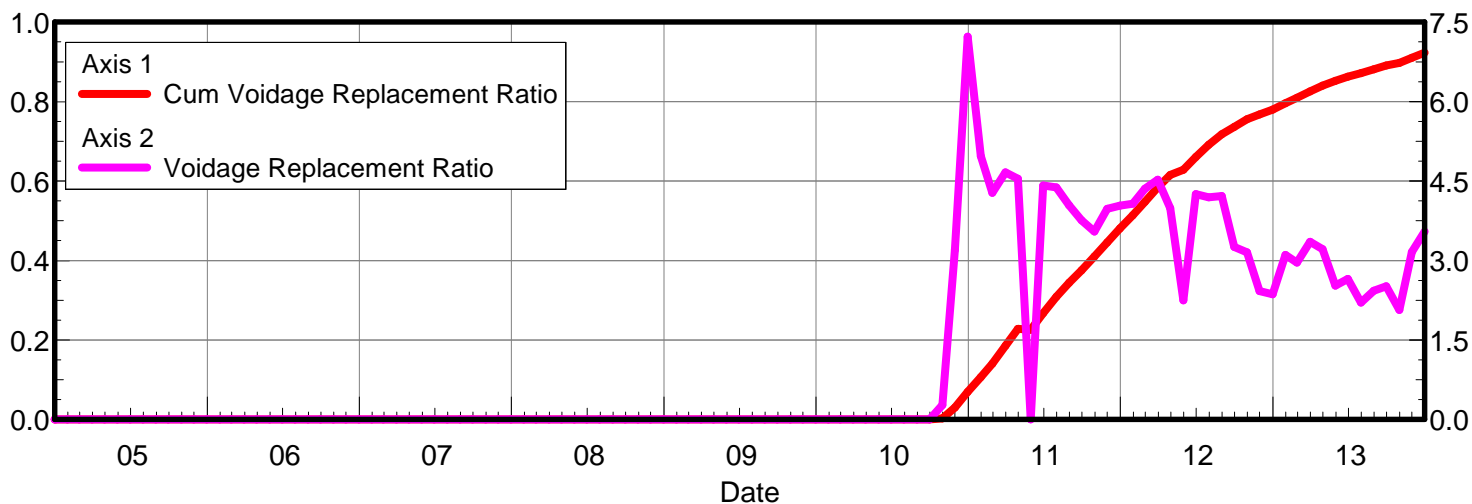
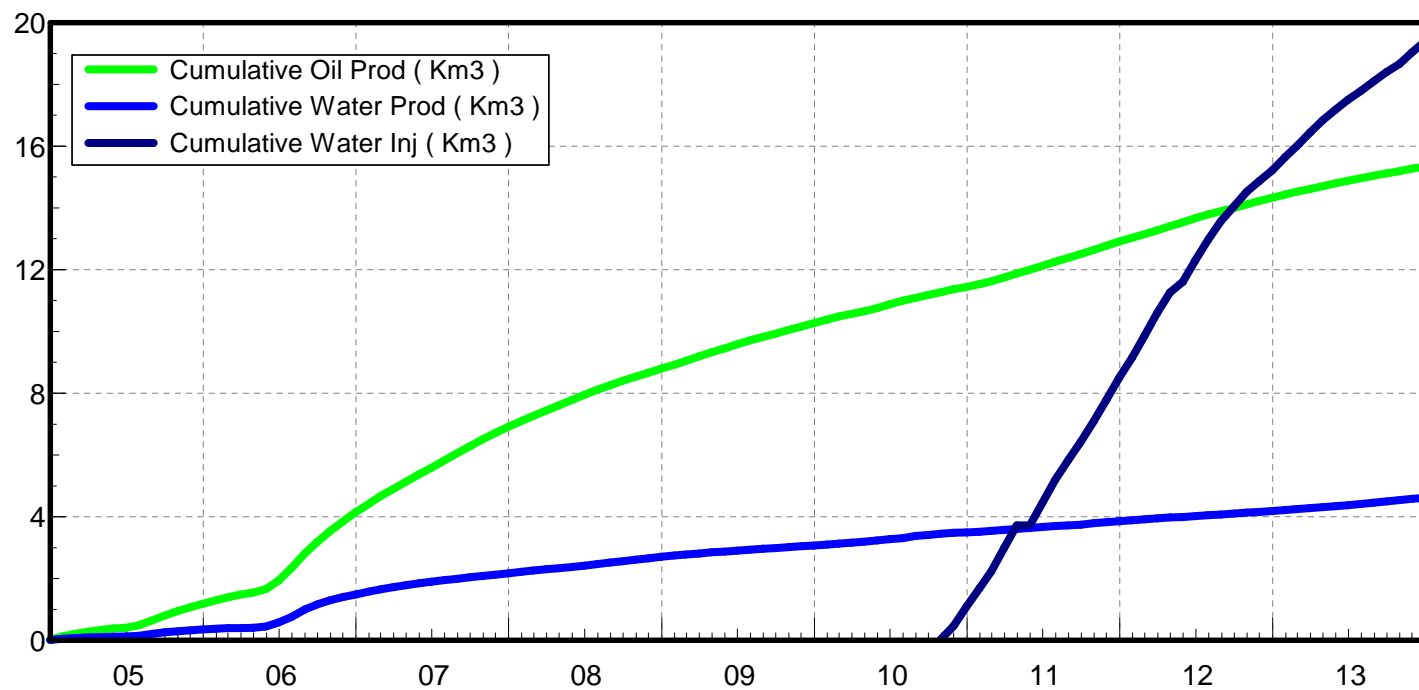
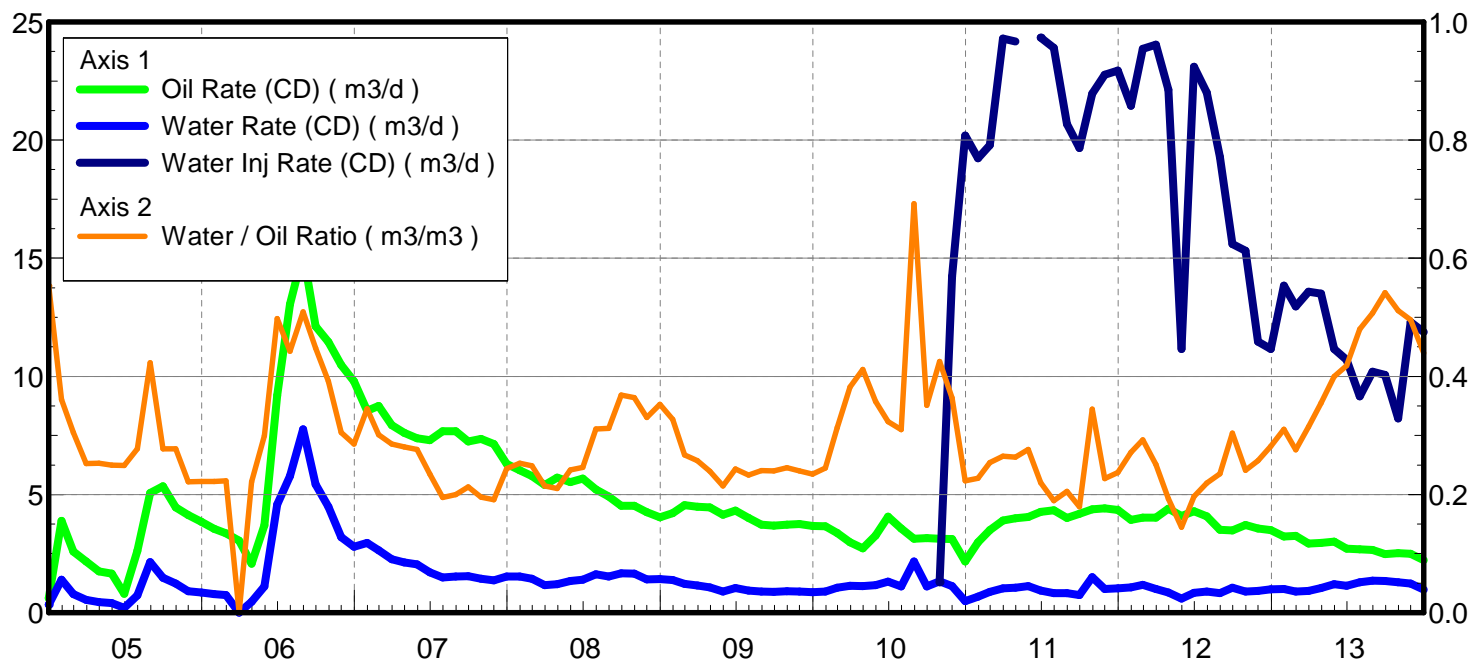
March 09, 2014

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 2.22 m3/d

Water Rate (CD) : 0.97 m3/d

Water Inj Rate (CD) : 11.87 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
12/31/2004	0.61	0.34	0.55		0.02	0.01	0.00	0.000	0.000
1/31/2005	3.89	1.40	0.36		0.14	0.05	0.00	0.000	0.000
2/28/2005	2.59	0.79	0.30		0.21	0.08	0.00	0.000	0.000
3/31/2005	2.17	0.55	0.25		0.28	0.09	0.00	0.000	0.000
4/30/2005	1.75	0.44	0.25		0.33	0.11	0.00	0.000	0.000
5/31/2005	1.65	0.41	0.25		0.38	0.12	0.00	0.000	0.000
6/30/2005	0.80	0.20	0.25		0.41	0.13	0.00	0.000	0.000
7/31/2005	2.62	0.73	0.28		0.49	0.15	0.00	0.000	0.000
8/31/2005	5.07	2.15	0.42		0.65	0.21	0.00	0.000	0.000
9/30/2005	5.35	1.48	0.28		0.81	0.26	0.00	0.000	0.000
10/31/2005	4.45	1.23	0.28		0.94	0.30	0.00	0.000	0.000
11/30/2005	4.13	0.91	0.22		1.07	0.32	0.00	0.000	0.000
12/31/2005	3.85	0.85	0.22		1.19	0.35	0.00	0.000	0.000
1/31/2006	3.55	0.79	0.22		1.30	0.38	0.00	0.000	0.000
2/28/2006	3.36	0.75	0.22		1.39	0.40	0.00	0.000	0.000
3/31/2006	3.04	0.00	0.00		1.49	0.40	0.00	0.000	0.000
4/30/2006	2.07	0.46	0.22		1.55	0.41	0.00	0.000	0.000
5/31/2006	3.70	1.11	0.30		1.66	0.44	0.00	0.000	0.000
6/30/2006	9.19	4.58	0.50		1.94	0.58	0.00	0.000	0.000
7/31/2006	13.05	5.78	0.44		2.34	0.76	0.00	0.000	0.000
8/31/2006	15.24	7.76	0.51		2.81	1.00	0.00	0.000	0.000
9/30/2006	12.12	5.43	0.45		3.18	1.16	0.00	0.000	0.000
10/31/2006	11.46	4.49	0.39		3.53	1.30	0.00	0.000	0.000
11/30/2006	10.48	3.20	0.31		3.85	1.40	0.00	0.000	0.000
12/31/2006	9.79	2.79	0.29		4.15	1.49	0.00	0.000	0.000
1/31/2007	8.55	2.95	0.35		4.42	1.58	0.00	0.000	0.000
2/28/2007	8.75	2.64	0.30		4.66	1.65	0.00	0.000	0.000
3/31/2007	7.93	2.26	0.29		4.91	1.72	0.00	0.000	0.000
4/30/2007	7.61	2.13	0.28		5.14	1.79	0.00	0.000	0.000
5/31/2007	7.38	2.04	0.28		5.36	1.85	0.00	0.000	0.000
6/30/2007	7.30	1.71	0.23		5.58	1.90	0.00	0.000	0.000
7/31/2007	7.67	1.50	0.20		5.82	1.95	0.00	0.000	0.000
8/31/2007	7.69	1.54	0.20		6.06	1.99	0.00	0.000	0.000
9/30/2007	7.25	1.54	0.21		6.28	2.04	0.00	0.000	0.000
10/31/2007	7.35	1.44	0.20		6.50	2.08	0.00	0.000	0.000
11/30/2007	7.14	1.36	0.19		6.72	2.13	0.00	0.000	0.000
12/31/2007	6.30	1.54	0.24		6.91	2.17	0.00	0.000	0.000
1/31/2008	6.03	1.53	0.25		7.10	2.22	0.00	0.000	0.000
2/29/2008	5.79	1.44	0.25		7.27	2.26	0.00	0.000	0.000
3/31/2008	5.41	1.16	0.21		7.44	2.30	0.00	0.000	0.000
4/30/2008	5.71	1.20	0.21		7.61	2.33	0.00	0.000	0.000
5/31/2008	5.53	1.34	0.24		7.78	2.38	0.00	0.000	0.000
6/30/2008	5.67	1.39	0.25		7.95	2.42	0.00	0.000	0.000
7/31/2008	5.22	1.62	0.31		8.11	2.47	0.00	0.000	0.000
8/31/2008	4.92	1.54	0.31		8.26	2.52	0.00	0.000	0.000
9/30/2008	4.52	1.67	0.37		8.40	2.57	0.00	0.000	0.000
10/31/2008	4.52	1.65	0.36		8.54	2.62	0.00	0.000	0.000
11/30/2008	4.25	1.41	0.33		8.67	2.66	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 Replacemnt Ratio
12/31/2008	4.04	1.43	0.35		8.79	2.70	0.00	0.000	0.000
1/31/2009	4.22	1.38	0.33		8.92	2.75	0.00	0.000	0.000
2/28/2009	4.56	1.22	0.27		9.05	2.78	0.00	0.000	0.000
3/31/2009	4.48	1.15	0.26		9.19	2.82	0.00	0.000	0.000
4/30/2009	4.46	1.07	0.24		9.32	2.85	0.00	0.000	0.000
5/31/2009	4.14	0.89	0.21		9.45	2.87	0.00	0.000	0.000
6/30/2009	4.32	1.05	0.24		9.58	2.91	0.00	0.000	0.000
7/31/2009	4.01	0.93	0.23		9.71	2.94	0.00	0.000	0.000
8/31/2009	3.73	0.90	0.24		9.82	2.96	0.00	0.000	0.000
9/30/2009	3.68	0.88	0.24		9.93	2.99	0.00	0.000	0.000
10/31/2009	3.72	0.91	0.25		10.05	3.02	0.00	0.000	0.000
11/30/2009	3.75	0.90	0.24		10.16	3.04	0.00	0.000	0.000
12/31/2009	3.67	0.86	0.23		10.27	3.07	0.00	0.000	0.000
1/31/2010	3.65	0.90	0.24		10.39	3.10	0.00	0.000	0.000
2/28/2010	3.37	1.06	0.31		10.48	3.13	0.00	0.000	0.000
3/31/2010	2.98	1.14	0.38		10.57	3.16	0.00	0.000	0.000
4/30/2010	2.73	1.12	0.41		10.66	3.20	0.00	0.000	0.000
5/31/2010	3.26	1.17	0.36		10.76	3.23	0.00	0.000	0.000
6/30/2010	4.07	1.31	0.32		10.88	3.27	0.00	0.000	0.000
7/31/2010	3.57	1.11	0.31		10.99	3.31	0.00	0.000	0.000
8/31/2010	3.13	2.17	0.69		11.09	3.37	0.00	0.000	0.000
9/30/2010	3.16	1.11	0.35		11.18	3.41	0.00	0.000	0.000
10/31/2010	3.13	1.33	0.43	1.29	11.28	3.45	0.04	0.276	0.003
11/30/2010	3.11	1.13	0.36	14.23	11.37	3.48	0.47	3.194	0.030
12/31/2010	2.16	0.48	0.22	20.20	11.44	3.50	1.09	7.225	0.069
1/31/2011	2.98	0.68	0.23	19.23	11.53	3.52	1.69	4.970	0.107
2/28/2011	3.49	0.89	0.25	19.79	11.63	3.54	2.24	4.278	0.140
3/31/2011	3.90	1.03	0.26	24.29	11.75	3.58	3.00	4.663	0.186
4/30/2011	3.99	1.05	0.26	24.17	11.87	3.61	3.72	4.541	0.228
5/31/2011	4.06	1.12	0.28		11.99	3.64	3.72	0.000	0.226
6/30/2011	4.27	0.94	0.22	24.33	12.12	3.67	4.45	4.416	0.268
7/31/2011	4.33	0.82	0.19	23.90	12.26	3.70	5.19	4.380	0.309
8/31/2011	4.01	0.82	0.21	20.68	12.38	3.72	5.83	4.045	0.344
9/30/2011	4.19	0.75	0.18	19.67	12.51	3.74	6.42	3.757	0.375
10/31/2011	4.38	1.51	0.34	21.97	12.64	3.79	7.10	3.549	0.410
11/30/2011	4.42	1.00	0.23	22.77	12.78	3.82	7.79	3.978	0.445
12/31/2011	4.35	1.03	0.24	22.94	12.91	3.85	8.50	4.036	0.481
1/31/2012	3.93	1.07	0.27	21.45	13.03	3.89	9.16	4.071	0.514
2/29/2012	4.02	1.18	0.29	23.86	13.15	3.92	9.86	4.358	0.548
3/31/2012	4.02	1.01	0.25	24.03	13.27	3.95	10.60	4.526	0.584
4/30/2012	4.40	0.85	0.19	22.13	13.41	3.98	11.26	3.988	0.615
5/31/2012	4.09	0.59	0.14	11.16	13.53	4.00	11.61	2.246	0.629
6/30/2012	4.29	0.84	0.20	23.10	13.66	4.02	12.30	4.252	0.660
7/31/2012	4.07	0.89	0.22	22.00	13.79	4.05	12.98	4.191	0.691
8/31/2012	3.51	0.82	0.23	19.29	13.90	4.07	13.58	4.216	0.717
9/30/2012	3.49	1.06	0.30	15.60	14.00	4.11	14.05	3.258	0.736
10/31/2012	3.71	0.89	0.24	15.32	14.12	4.13	14.53	3.155	0.755
11/30/2012	3.56	0.92	0.26	11.47	14.22	4.16	14.87	2.426	0.768



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	3.50	0.99	0.28	11.16	14.33	4.19	15.22	2.363	0.780
1/31/2013	3.23	1.00	0.31	13.84	14.43	4.22	15.65	3.107	0.796
2/28/2013	3.26	0.90	0.28	12.96	14.52	4.25	16.01	2.959	0.809
3/31/2013	2.93	0.92	0.31	13.58	14.61	4.28	16.43	3.353	0.825
4/30/2013	2.95	1.05	0.36	13.50	14.70	4.31	16.83	3.215	0.840
5/31/2013	3.01	1.20	0.40	11.16	14.79	4.35	17.18	2.524	0.852
6/30/2013	2.71	1.13	0.42	10.70	14.88	4.38	17.50	2.653	0.863
7/31/2013	2.68	1.29	0.48	9.16	14.96	4.42	17.79	2.207	0.871
8/31/2013	2.66	1.35	0.51	10.19	15.04	4.46	18.10	2.429	0.881
9/30/2013	2.48	1.35	0.54	10.07	15.12	4.50	18.40	2.516	0.890
10/31/2013	2.52	1.29	0.51	8.23	15.19	4.54	18.66	2.065	0.897
11/30/2013	2.49	1.23	0.50	12.30	15.27	4.58	19.03	3.158	0.910
12/31/2013	2.22	0.97	0.44	11.87	15.34	4.61	19.40	3.548	0.923

# Pattern: 02/13-11-008-29Inj Set: Unit#3

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.48 m3/m3

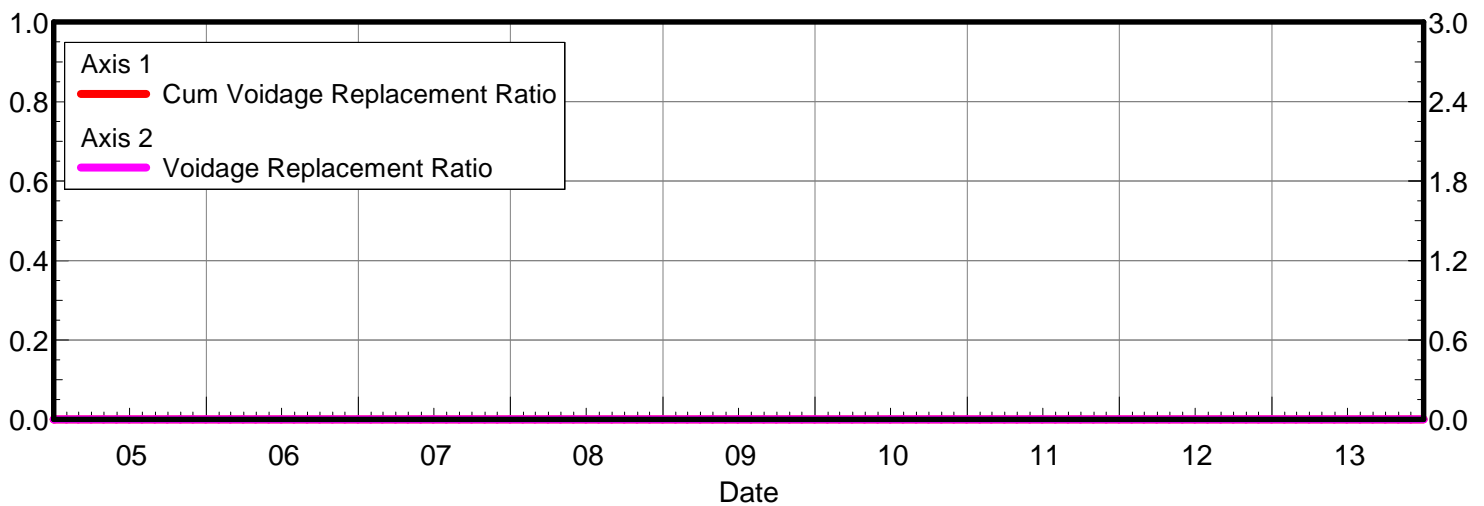
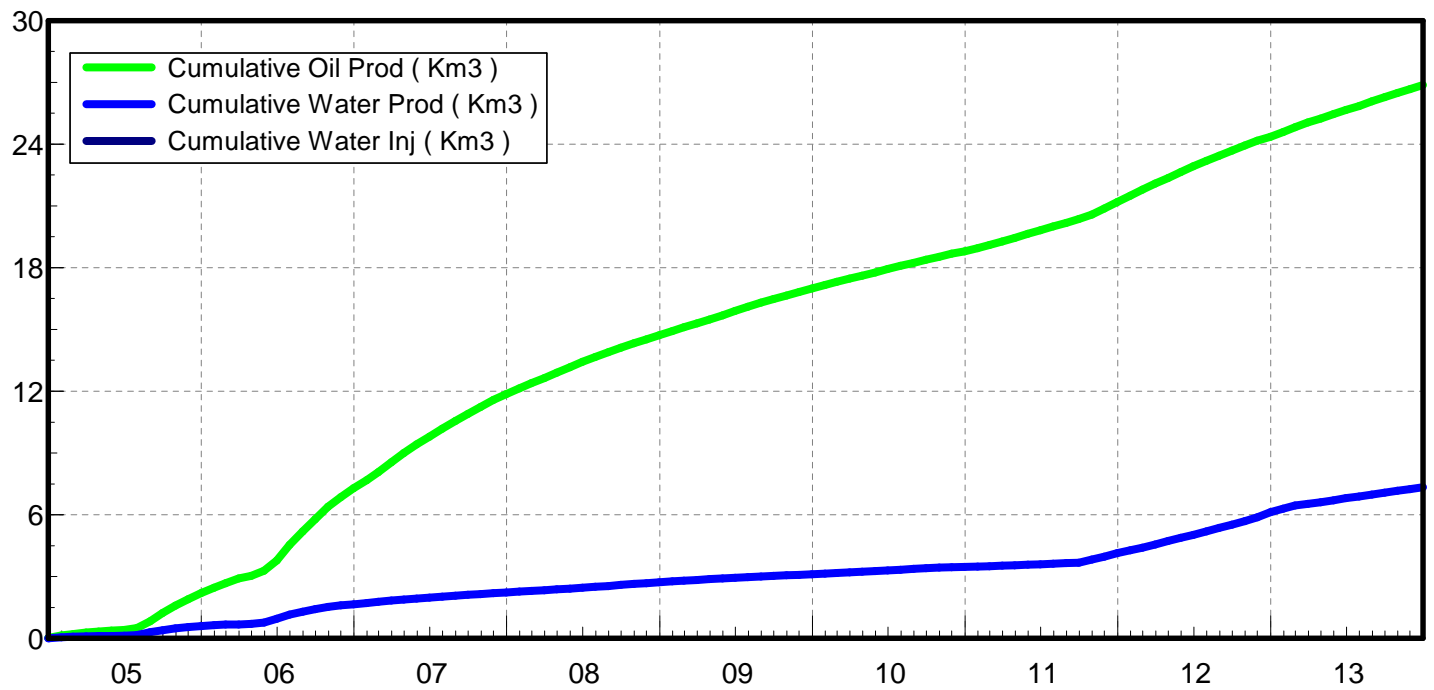
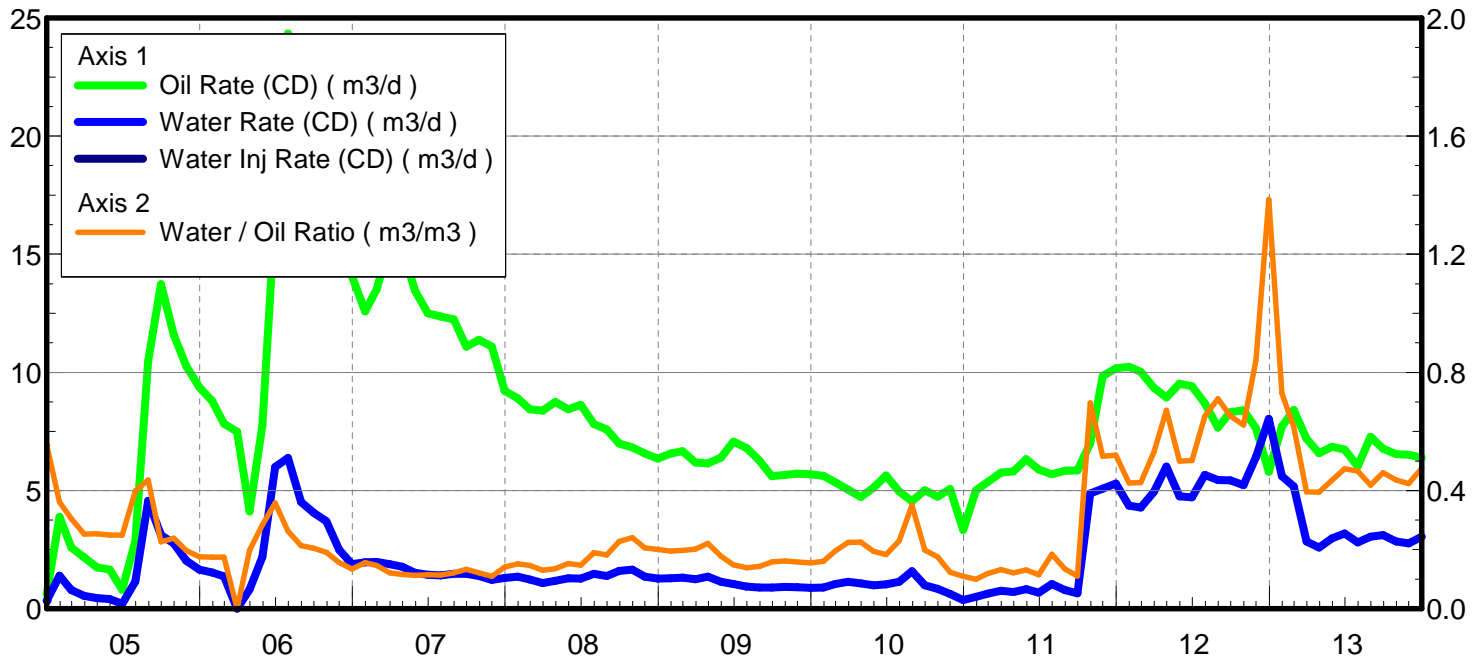
March 09, 2014

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 6.39 m3/d

Water Rate (CD) : 3.04 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
12/31/2004	0.61	0.34	0.55		0.02	0.01	0.00	0.000	0.000
1/31/2005	3.89	1.40	0.36		0.14	0.05	0.00	0.000	0.000
2/28/2005	2.59	0.79	0.30		0.21	0.08	0.00	0.000	0.000
3/31/2005	2.17	0.55	0.25		0.28	0.09	0.00	0.000	0.000
4/30/2005	1.75	0.44	0.25		0.33	0.11	0.00	0.000	0.000
5/31/2005	1.65	0.41	0.25		0.38	0.12	0.00	0.000	0.000
6/30/2005	0.80	0.20	0.25		0.41	0.13	0.00	0.000	0.000
7/31/2005	2.88	1.15	0.40		0.50	0.16	0.00	0.000	0.000
8/31/2005	10.47	4.56	0.44		0.82	0.30	0.00	0.000	0.000
9/30/2005	13.73	3.11	0.23		1.23	0.40	0.00	0.000	0.000
10/31/2005	11.59	2.77	0.24		1.59	0.48	0.00	0.000	0.000
11/30/2005	10.26	2.03	0.20		1.90	0.54	0.00	0.000	0.000
12/31/2005	9.38	1.65	0.18		2.19	0.59	0.00	0.000	0.000
1/31/2006	8.79	1.53	0.17		2.46	0.64	0.00	0.000	0.000
2/28/2006	7.83	1.37	0.17		2.68	0.68	0.00	0.000	0.000
3/31/2006	7.48	0.00	0.00		2.91	0.68	0.00	0.000	0.000
4/30/2006	4.12	0.82	0.20		3.04	0.70	0.00	0.000	0.000
5/31/2006	7.76	2.20	0.28		3.28	0.77	0.00	0.000	0.000
6/30/2006	16.77	6.00	0.36		3.78	0.95	0.00	0.000	0.000
7/31/2006	24.34	6.38	0.26		4.54	1.15	0.00	0.000	0.000
8/31/2006	21.07	4.51	0.21		5.19	1.29	0.00	0.000	0.000
9/30/2006	19.82	4.07	0.21		5.78	1.41	0.00	0.000	0.000
10/31/2006	19.36	3.70	0.19		6.38	1.53	0.00	0.000	0.000
11/30/2006	15.94	2.50	0.16		6.86	1.60	0.00	0.000	0.000
12/31/2006	14.07	1.89	0.13		7.30	1.66	0.00	0.000	0.000
1/31/2007	12.59	1.97	0.16		7.69	1.72	0.00	0.000	0.000
2/28/2007	13.52	1.98	0.15		8.07	1.78	0.00	0.000	0.000
3/31/2007	15.47	1.88	0.12		8.55	1.83	0.00	0.000	0.000
4/30/2007	15.23	1.77	0.12		9.00	1.89	0.00	0.000	0.000
5/31/2007	13.47	1.52	0.11		9.42	1.93	0.00	0.000	0.000
6/30/2007	12.50	1.43	0.11		9.80	1.98	0.00	0.000	0.000
7/31/2007	12.36	1.41	0.11		10.18	2.02	0.00	0.000	0.000
8/31/2007	12.24	1.48	0.12		10.56	2.07	0.00	0.000	0.000
9/30/2007	11.09	1.47	0.13		10.89	2.11	0.00	0.000	0.000
10/31/2007	11.37	1.38	0.12		11.24	2.15	0.00	0.000	0.000
11/30/2007	11.09	1.21	0.11		11.58	2.19	0.00	0.000	0.000
12/31/2007	9.22	1.30	0.14		11.86	2.23	0.00	0.000	0.000
1/31/2008	8.90	1.35	0.15		12.14	2.27	0.00	0.000	0.000
2/29/2008	8.44	1.23	0.15		12.38	2.31	0.00	0.000	0.000
3/31/2008	8.38	1.09	0.13		12.64	2.34	0.00	0.000	0.000
4/30/2008	8.75	1.18	0.14		12.90	2.38	0.00	0.000	0.000
5/31/2008	8.43	1.29	0.15		13.17	2.42	0.00	0.000	0.000
6/30/2008	8.63	1.27	0.15		13.43	2.46	0.00	0.000	0.000
7/31/2008	7.81	1.48	0.19		13.67	2.50	0.00	0.000	0.000
8/31/2008	7.58	1.38	0.18		13.90	2.54	0.00	0.000	0.000
9/30/2008	6.99	1.60	0.23		14.11	2.59	0.00	0.000	0.000
10/31/2008	6.83	1.65	0.24		14.32	2.64	0.00	0.000	0.000
11/30/2008	6.57	1.36	0.21		14.52	2.68	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
12/31/2008	6.35	1.27	0.20		14.72	2.72	0.00	0.000	0.000
1/31/2009	6.56	1.28	0.20		14.92	2.76	0.00	0.000	0.000
2/28/2009	6.66	1.32	0.20		15.11	2.80	0.00	0.000	0.000
3/31/2009	6.19	1.25	0.20		15.30	2.84	0.00	0.000	0.000
4/30/2009	6.15	1.36	0.22		15.48	2.88	0.00	0.000	0.000
5/31/2009	6.39	1.14	0.18		15.68	2.91	0.00	0.000	0.000
6/30/2009	7.08	1.05	0.15		15.89	2.95	0.00	0.000	0.000
7/31/2009	6.79	0.94	0.14		16.11	2.98	0.00	0.000	0.000
8/31/2009	6.27	0.90	0.14		16.30	3.00	0.00	0.000	0.000
9/30/2009	5.60	0.89	0.16		16.47	3.03	0.00	0.000	0.000
10/31/2009	5.67	0.92	0.16		16.64	3.06	0.00	0.000	0.000
11/30/2009	5.72	0.91	0.16		16.82	3.09	0.00	0.000	0.000
12/31/2009	5.69	0.88	0.15		16.99	3.11	0.00	0.000	0.000
1/31/2010	5.62	0.90	0.16		17.17	3.14	0.00	0.000	0.000
2/28/2010	5.36	1.04	0.20		17.32	3.17	0.00	0.000	0.000
3/31/2010	5.04	1.13	0.22		17.47	3.21	0.00	0.000	0.000
4/30/2010	4.73	1.06	0.23		17.61	3.24	0.00	0.000	0.000
5/31/2010	5.12	0.99	0.19		17.77	3.27	0.00	0.000	0.000
6/30/2010	5.63	1.03	0.18		17.94	3.30	0.00	0.000	0.000
7/31/2010	4.95	1.14	0.23		18.09	3.33	0.00	0.000	0.000
8/31/2010	4.55	1.59	0.35		18.24	3.38	0.00	0.000	0.000
9/30/2010	5.01	1.00	0.20		18.39	3.41	0.00	0.000	0.000
10/31/2010	4.75	0.84	0.18		18.53	3.44	0.00	0.000	0.000
11/30/2010	5.07	0.63	0.12		18.69	3.46	0.00	0.000	0.000
12/31/2010	3.33	0.37	0.11		18.79	3.47	0.00	0.000	0.000
1/31/2011	5.01	0.50	0.10		18.94	3.48	0.00	0.000	0.000
2/28/2011	5.37	0.64	0.12		19.09	3.50	0.00	0.000	0.000
3/31/2011	5.76	0.76	0.13		19.27	3.53	0.00	0.000	0.000
4/30/2011	5.82	0.71	0.12		19.45	3.55	0.00	0.000	0.000
5/31/2011	6.32	0.83	0.13		19.64	3.57	0.00	0.000	0.000
6/30/2011	5.90	0.68	0.12		19.82	3.59	0.00	0.000	0.000
7/31/2011	5.69	1.05	0.18		20.00	3.63	0.00	0.000	0.000
8/31/2011	5.84	0.79	0.13		20.18	3.65	0.00	0.000	0.000
9/30/2011	5.85	0.65	0.11		20.35	3.67	0.00	0.000	0.000
10/31/2011	7.01	4.88	0.70		20.57	3.82	0.00	0.000	0.000
11/30/2011	9.85	5.08	0.52		20.87	3.97	0.00	0.000	0.000
12/31/2011	10.17	5.29	0.52		21.18	4.14	0.00	0.000	0.000
1/31/2012	10.24	4.36	0.43		21.50	4.27	0.00	0.000	0.000
2/29/2012	10.02	4.28	0.43		21.79	4.40	0.00	0.000	0.000
3/31/2012	9.34	4.95	0.53		22.08	4.55	0.00	0.000	0.000
4/30/2012	8.95	6.01	0.67		22.35	4.73	0.00	0.000	0.000
5/31/2012	9.52	4.76	0.50		22.64	4.88	0.00	0.000	0.000
6/30/2012	9.41	4.72	0.50		22.92	5.02	0.00	0.000	0.000
7/31/2012	8.69	5.66	0.65		23.19	5.19	0.00	0.000	0.000
8/31/2012	7.67	5.45	0.71		23.43	5.36	0.00	0.000	0.000
9/30/2012	8.31	5.42	0.65		23.68	5.53	0.00	0.000	0.000
10/31/2012	8.40	5.22	0.62		23.94	5.69	0.00	0.000	0.000
11/30/2012	7.63	6.43	0.84		24.17	5.88	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	5.80	8.03	1.39		24.35	6.13	0.00	0.000	0.000
1/31/2013	7.70	5.61	0.73		24.59	6.30	0.00	0.000	0.000
2/28/2013	8.42	5.17	0.61		24.82	6.45	0.00	0.000	0.000
3/31/2013	7.19	2.84	0.40		25.05	6.54	0.00	0.000	0.000
4/30/2013	6.58	2.59	0.39		25.24	6.61	0.00	0.000	0.000
5/31/2013	6.85	2.98	0.44		25.46	6.71	0.00	0.000	0.000
6/30/2013	6.73	3.19	0.47		25.66	6.80	0.00	0.000	0.000
7/31/2013	6.03	2.81	0.47		25.85	6.89	0.00	0.000	0.000
8/31/2013	7.27	3.04	0.42		26.07	6.98	0.00	0.000	0.000
9/30/2013	6.77	3.12	0.46		26.27	7.08	0.00	0.000	0.000
10/31/2013	6.55	2.85	0.44		26.48	7.17	0.00	0.000	0.000
11/30/2013	6.52	2.76	0.42		26.67	7.25	0.00	0.000	0.000
12/31/2013	6.39	3.04	0.48		26.87	7.34	0.00	0.000	0.000

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.89 m3/m3

Pattern: 02/01-12-008-29Inj Set: Unit#3

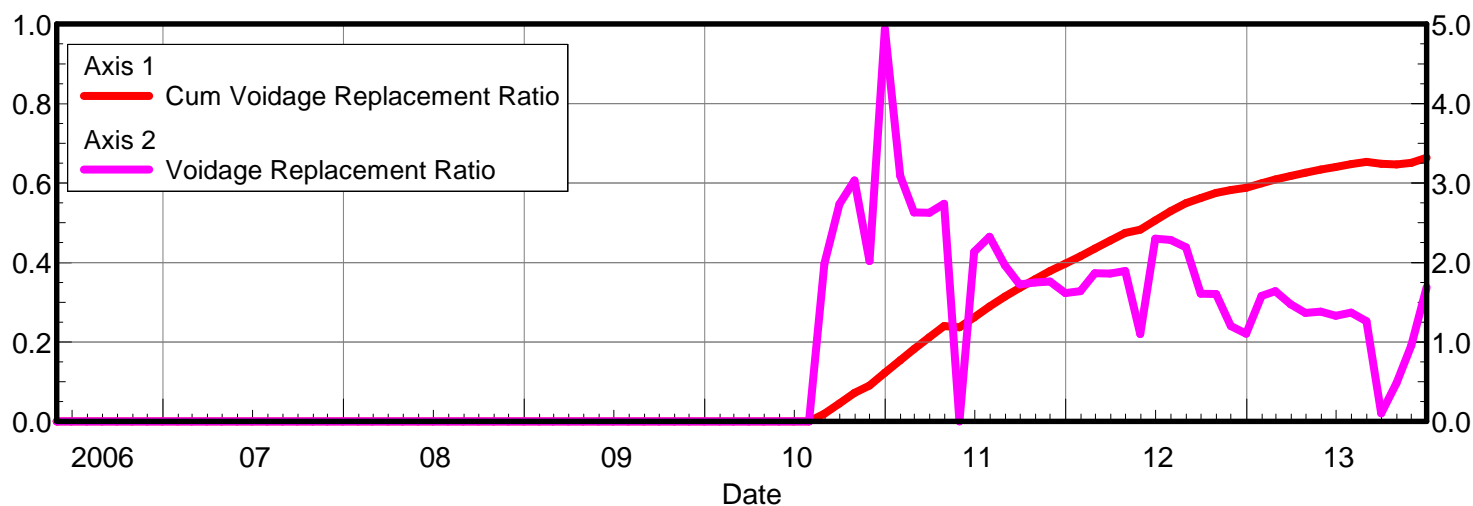
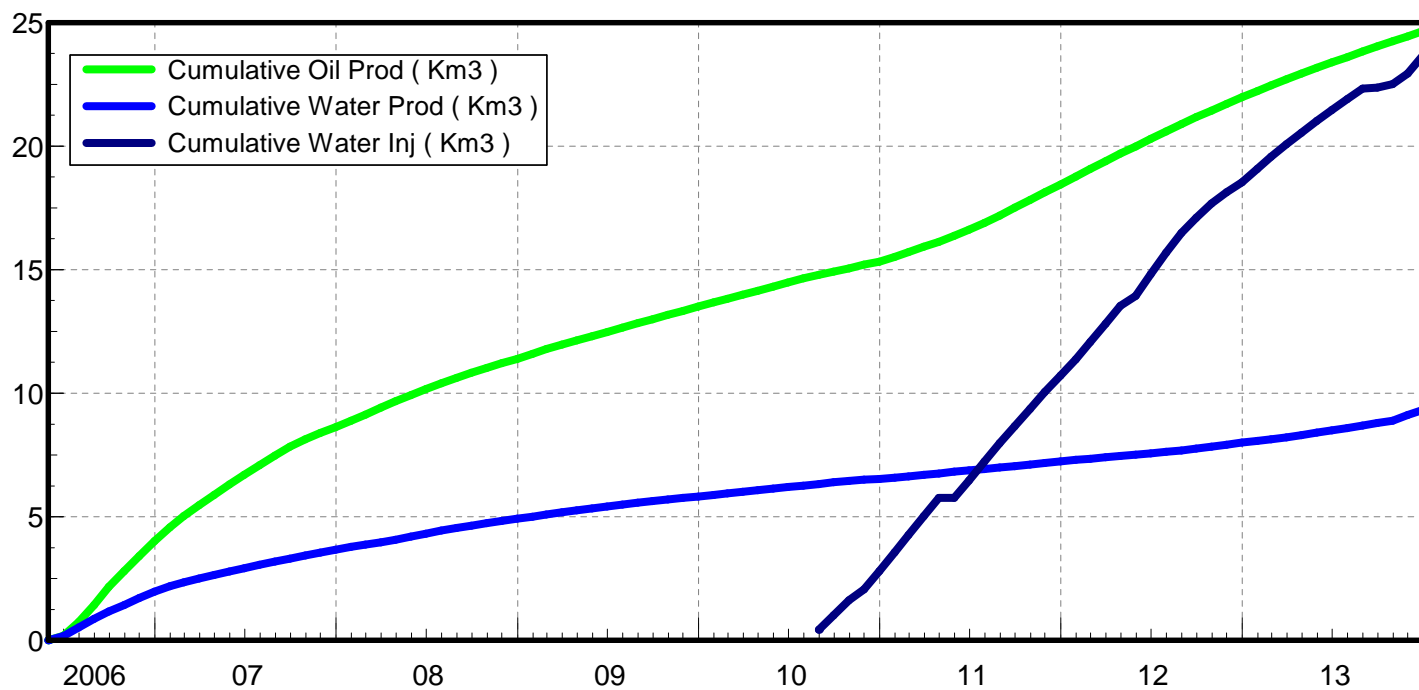
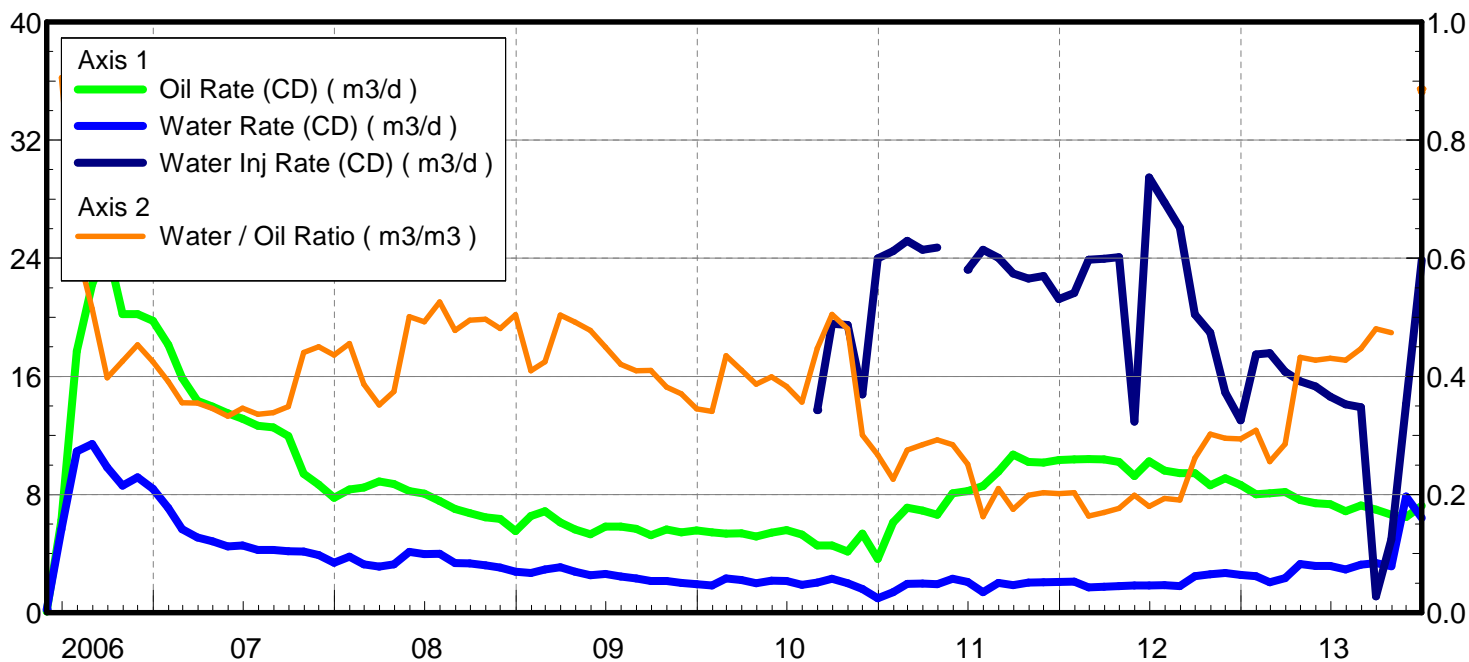
March 09, 2014

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 7.24 m3/d

Water Rate (CD) : 6.41 m3/d

Water Inj Rate (CD) : 23.87 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
5/31/2006	0.10	0.23	2.33		0.00	0.01	0.00	0.000	0.000
6/30/2006	6.25	5.67	0.91		0.19	0.18	0.00	0.000	0.000
7/31/2006	17.69	10.92	0.62		0.74	0.52	0.00	0.000	0.000
8/31/2006	22.22	11.43	0.51		1.43	0.87	0.00	0.000	0.000
9/30/2006	24.73	9.84	0.40		2.17	1.16	0.00	0.000	0.000
10/31/2006	20.22	8.61	0.43		2.80	1.43	0.00	0.000	0.000
11/30/2006	20.21	9.16	0.45		3.40	1.71	0.00	0.000	0.000
12/31/2006	19.76	8.39	0.42		4.02	1.97	0.00	0.000	0.000
1/31/2007	18.14	7.10	0.39		4.58	2.19	0.00	0.000	0.000
2/28/2007	15.91	5.65	0.36		5.02	2.35	0.00	0.000	0.000
3/31/2007	14.34	5.09	0.35		5.47	2.50	0.00	0.000	0.000
4/30/2007	13.96	4.82	0.35		5.89	2.65	0.00	0.000	0.000
5/31/2007	13.49	4.49	0.33		6.30	2.79	0.00	0.000	0.000
6/30/2007	13.13	4.54	0.35		6.70	2.92	0.00	0.000	0.000
7/31/2007	12.66	4.25	0.34		7.09	3.05	0.00	0.000	0.000
8/31/2007	12.55	4.25	0.34		7.48	3.19	0.00	0.000	0.000
9/30/2007	11.95	4.17	0.35		7.84	3.31	0.00	0.000	0.000
10/31/2007	9.40	4.14	0.44		8.13	3.44	0.00	0.000	0.000
11/30/2007	8.67	3.90	0.45		8.39	3.56	0.00	0.000	0.000
12/31/2007	7.78	3.39	0.44		8.63	3.66	0.00	0.000	0.000
1/31/2008	8.34	3.80	0.46		8.89	3.78	0.00	0.000	0.000
2/29/2008	8.47	3.28	0.39		9.14	3.87	0.00	0.000	0.000
3/31/2008	8.89	3.12	0.35		9.41	3.97	0.00	0.000	0.000
4/30/2008	8.72	3.26	0.37		9.67	4.07	0.00	0.000	0.000
5/31/2008	8.23	4.13	0.50		9.93	4.20	0.00	0.000	0.000
6/30/2008	8.06	3.97	0.49		10.17	4.32	0.00	0.000	0.000
7/31/2008	7.56	3.98	0.53		10.40	4.44	0.00	0.000	0.000
8/31/2008	7.03	3.36	0.48		10.62	4.54	0.00	0.000	0.000
9/30/2008	6.75	3.34	0.49		10.82	4.64	0.00	0.000	0.000
10/31/2008	6.46	3.21	0.50		11.02	4.74	0.00	0.000	0.000
11/30/2008	6.36	3.06	0.48		11.22	4.84	0.00	0.000	0.000
12/31/2008	5.52	2.78	0.50		11.39	4.92	0.00	0.000	0.000
1/31/2009	6.55	2.69	0.41		11.59	5.01	0.00	0.000	0.000
2/28/2009	6.87	2.92	0.42		11.78	5.09	0.00	0.000	0.000
3/31/2009	6.10	3.07	0.50		11.97	5.18	0.00	0.000	0.000
4/30/2009	5.63	2.77	0.49		12.14	5.27	0.00	0.000	0.000
5/31/2009	5.30	2.53	0.48		12.30	5.34	0.00	0.000	0.000
6/30/2009	5.83	2.62	0.45		12.48	5.42	0.00	0.000	0.000
7/31/2009	5.84	2.45	0.42		12.66	5.50	0.00	0.000	0.000
8/31/2009	5.68	2.32	0.41		12.84	5.57	0.00	0.000	0.000
9/30/2009	5.24	2.15	0.41		12.99	5.63	0.00	0.000	0.000
10/31/2009	5.63	2.15	0.38		13.17	5.70	0.00	0.000	0.000
11/30/2009	5.45	2.02	0.37		13.33	5.76	0.00	0.000	0.000
12/31/2009	5.57	1.92	0.35		13.50	5.82	0.00	0.000	0.000
1/31/2010	5.44	1.85	0.34		13.67	5.88	0.00	0.000	0.000
2/28/2010	5.35	2.33	0.44		13.82	5.94	0.00	0.000	0.000
3/31/2010	5.38	2.21	0.41		13.99	6.01	0.00	0.000	0.000
4/30/2010	5.16	2.00	0.39		14.14	6.07	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
5/31/2010	5.41	2.16	0.40		14.31	6.14	0.00	0.000	0.000
6/30/2010	5.60	2.15	0.38		14.48	6.20	0.00	0.000	0.000
7/31/2010	5.29	1.89	0.36		14.64	6.26	0.00	0.000	0.000
8/31/2010	4.56	2.04	0.45	13.73	14.78	6.33	0.43	1.985	0.019
9/30/2010	4.54	2.29	0.50	19.56	14.92	6.39	1.01	2.736	0.045
10/31/2010	4.15	1.99	0.48	19.49	15.05	6.46	1.62	3.032	0.072
11/30/2010	5.35	1.61	0.30	14.78	15.21	6.50	2.06	2.016	0.090
12/31/2010	3.64	0.97	0.27	23.99	15.32	6.53	2.80	4.936	0.122
1/31/2011	6.12	1.38	0.23	24.48	15.51	6.58	3.56	3.088	0.154
2/28/2011	7.11	1.96	0.28	25.18	15.71	6.63	4.27	2.632	0.182
3/31/2011	6.91	1.96	0.28	24.58	15.93	6.69	5.03	2.627	0.212
4/30/2011	6.63	1.94	0.29	24.73	16.12	6.75	5.77	2.739	0.241
5/31/2011	8.09	2.30	0.28		16.38	6.82	5.77	0.000	0.237
6/30/2011	8.24	2.07	0.25	23.23	16.62	6.88	6.47	2.135	0.262
7/31/2011	8.58	1.40	0.16	24.58	16.89	6.93	7.23	2.324	0.289
8/31/2011	9.55	2.01	0.21	24.03	17.19	6.99	7.98	1.966	0.314
9/30/2011	10.71	1.88	0.18	22.97	17.51	7.05	8.66	1.723	0.336
10/31/2011	10.20	2.03	0.20	22.61	17.82	7.11	9.37	1.747	0.358
11/30/2011	10.16	2.07	0.20	22.80	18.13	7.17	10.05	1.762	0.378
12/31/2011	10.34	2.09	0.20	21.23	18.45	7.24	10.71	1.615	0.397
1/31/2012	10.38	2.11	0.20	21.65	18.77	7.30	11.38	1.639	0.416
2/29/2012	10.39	1.70	0.16	23.90	19.07	7.35	12.07	1.864	0.435
3/31/2012	10.39	1.76	0.17	23.97	19.39	7.41	12.81	1.862	0.455
4/30/2012	10.20	1.80	0.18	24.07	19.70	7.46	13.54	1.895	0.475
5/31/2012	9.26	1.84	0.20	12.94	19.99	7.52	13.94	1.101	0.482
6/30/2012	10.26	1.85	0.18	29.47	20.29	7.57	14.82	2.300	0.506
7/31/2012	9.63	1.86	0.19	27.77	20.59	7.63	15.68	2.285	0.529
8/31/2012	9.44	1.80	0.19	26.06	20.89	7.69	16.49	2.190	0.549
9/30/2012	9.44	2.47	0.26	20.20	21.17	7.76	17.10	1.608	0.562
10/31/2012	8.63	2.61	0.30	18.97	21.44	7.84	17.68	1.603	0.575
11/30/2012	9.10	2.69	0.30	14.90	21.71	7.92	18.13	1.200	0.582
12/31/2012	8.66	2.55	0.29	13.03	21.98	8.00	18.54	1.104	0.588
1/31/2013	8.03	2.48	0.31	17.48	22.23	8.08	19.08	1.580	0.599
2/28/2013	8.08	2.06	0.26	17.57	22.45	8.13	19.57	1.642	0.609
3/31/2013	8.16	2.33	0.29	16.32	22.71	8.21	20.08	1.476	0.618
4/30/2013	7.63	3.30	0.43	15.67	22.93	8.31	20.55	1.368	0.626
5/31/2013	7.42	3.17	0.43	15.32	23.16	8.40	21.02	1.380	0.634
6/30/2013	7.35	3.16	0.43	14.63	23.38	8.50	21.46	1.328	0.640
7/31/2013	6.87	2.94	0.43	14.10	23.60	8.59	21.90	1.371	0.647
8/31/2013	7.26	3.25	0.45	13.90	23.82	8.69	22.33	1.262	0.653
9/30/2013	6.97	3.35	0.48	1.10	24.03	8.79	22.36	0.102	0.648
10/31/2013	6.64	3.15	0.47	4.97	24.24	8.89	22.51	0.485	0.647
11/30/2013	6.47	7.86	1.21	14.13	24.43	9.12	22.94	0.956	0.651
12/31/2013	7.24	6.41	0.89	23.87	24.66	9.32	23.68	1.687	0.663



# Pattern: 03/01-12-008-29Inj Set: Unit#3

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 3.00 m3/m3

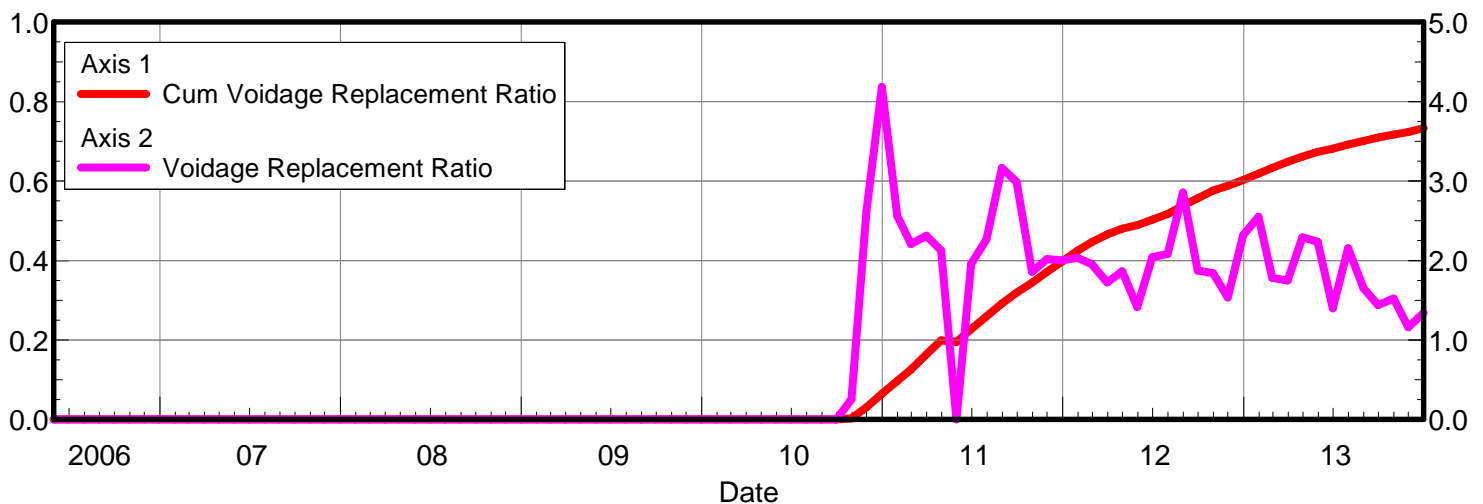
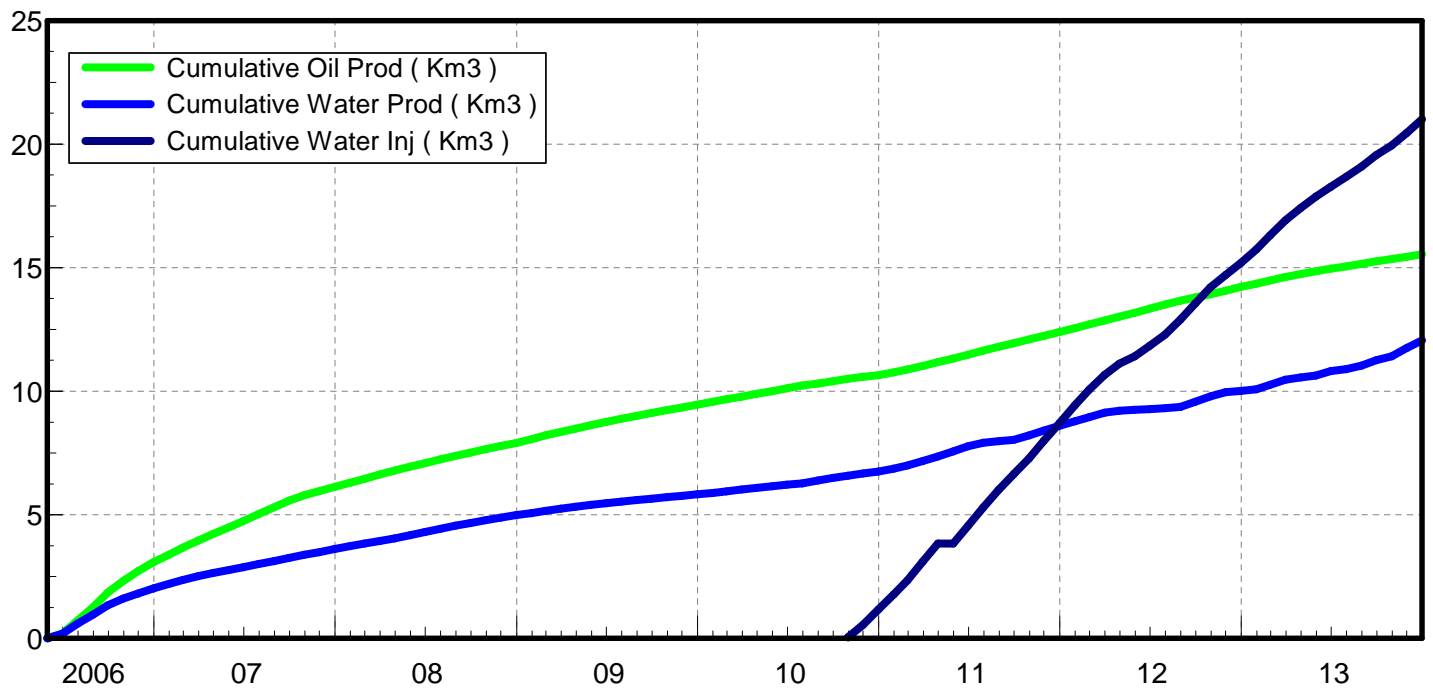
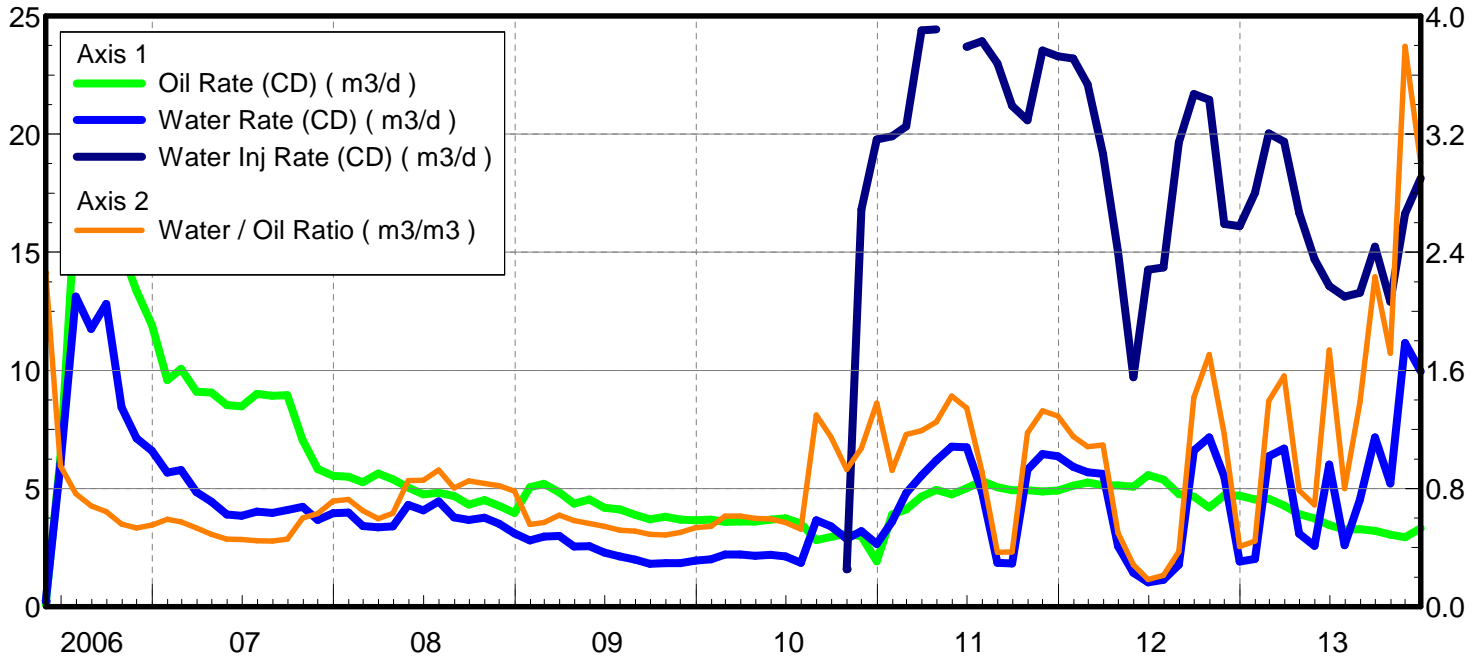
March 09, 2014

Operator: Tundra\_O&G\_Prtshp

Oil Rate (CD) : 3.31 m3/d

Water Rate (CD) : 9.95 m3/d

Water Inj Rate (CD) : 18.13 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
5/31/2006	0.10	0.23	2.26		0.00	0.01	0.00	0.000	0.000
6/30/2006	6.31	6.02	0.95		0.19	0.19	0.00	0.000	0.000
7/31/2006	17.14	13.12	0.77		0.72	0.59	0.00	0.000	0.000
8/31/2006	17.20	11.76	0.68		1.26	0.96	0.00	0.000	0.000
9/30/2006	19.88	12.82	0.64		1.85	1.34	0.00	0.000	0.000
10/31/2006	15.09	8.44	0.56		2.32	1.61	0.00	0.000	0.000
11/30/2006	13.35	7.13	0.53		2.72	1.82	0.00	0.000	0.000
12/31/2006	11.92	6.60	0.55		3.09	2.02	0.00	0.000	0.000
1/31/2007	9.60	5.68	0.59		3.39	2.20	0.00	0.000	0.000
2/28/2007	10.07	5.78	0.57		3.67	2.36	0.00	0.000	0.000
3/31/2007	9.10	4.85	0.53		3.95	2.51	0.00	0.000	0.000
4/30/2007	9.06	4.44	0.49		4.22	2.64	0.00	0.000	0.000
5/31/2007	8.54	3.90	0.46		4.49	2.77	0.00	0.000	0.000
6/30/2007	8.48	3.85	0.45		4.74	2.88	0.00	0.000	0.000
7/31/2007	9.01	4.02	0.45		5.02	3.01	0.00	0.000	0.000
8/31/2007	8.92	3.97	0.45		5.30	3.13	0.00	0.000	0.000
9/30/2007	8.96	4.09	0.46		5.57	3.25	0.00	0.000	0.000
10/31/2007	7.04	4.22	0.60		5.79	3.38	0.00	0.000	0.000
11/30/2007	5.82	3.67	0.63		5.96	3.49	0.00	0.000	0.000
12/31/2007	5.54	3.96	0.71		6.13	3.62	0.00	0.000	0.000
1/31/2008	5.50	3.99	0.73		6.30	3.74	0.00	0.000	0.000
2/29/2008	5.27	3.42	0.65		6.46	3.84	0.00	0.000	0.000
3/31/2008	5.63	3.36	0.60		6.63	3.94	0.00	0.000	0.000
4/30/2008	5.38	3.41	0.63		6.79	4.04	0.00	0.000	0.000
5/31/2008	5.03	4.30	0.85		6.95	4.18	0.00	0.000	0.000
6/30/2008	4.76	4.07	0.86		7.09	4.30	0.00	0.000	0.000
7/31/2008	4.82	4.46	0.92		7.24	4.44	0.00	0.000	0.000
8/31/2008	4.69	3.77	0.80		7.39	4.56	0.00	0.000	0.000
9/30/2008	4.32	3.67	0.85		7.51	4.67	0.00	0.000	0.000
10/31/2008	4.51	3.76	0.83		7.65	4.78	0.00	0.000	0.000
11/30/2008	4.27	3.50	0.82		7.78	4.89	0.00	0.000	0.000
12/31/2008	3.97	3.11	0.78		7.91	4.98	0.00	0.000	0.000
1/31/2009	5.05	2.81	0.56		8.06	5.07	0.00	0.000	0.000
2/28/2009	5.21	2.96	0.57		8.21	5.15	0.00	0.000	0.000
3/31/2009	4.83	2.99	0.62		8.36	5.25	0.00	0.000	0.000
4/30/2009	4.37	2.54	0.58		8.49	5.32	0.00	0.000	0.000
5/31/2009	4.54	2.56	0.56		8.63	5.40	0.00	0.000	0.000
6/30/2009	4.19	2.28	0.54		8.76	5.47	0.00	0.000	0.000
7/31/2009	4.11	2.13	0.52		8.88	5.54	0.00	0.000	0.000
8/31/2009	3.89	1.99	0.51		9.00	5.60	0.00	0.000	0.000
9/30/2009	3.70	1.81	0.49		9.12	5.65	0.00	0.000	0.000
10/31/2009	3.81	1.85	0.49		9.23	5.71	0.00	0.000	0.000
11/30/2009	3.68	1.85	0.50		9.34	5.77	0.00	0.000	0.000
12/31/2009	3.65	1.95	0.54		9.46	5.83	0.00	0.000	0.000
1/31/2010	3.68	2.00	0.54		9.57	5.89	0.00	0.000	0.000
2/28/2010	3.60	2.21	0.61		9.67	5.95	0.00	0.000	0.000
3/31/2010	3.61	2.21	0.61		9.78	6.02	0.00	0.000	0.000
4/30/2010	3.61	2.15	0.60		9.89	6.08	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
5/31/2010	3.68	2.19	0.59		10.01	6.15	0.00	0.000	0.000
6/30/2010	3.74	2.13	0.57		10.12	6.22	0.00	0.000	0.000
7/31/2010	3.53	1.85	0.52		10.23	6.27	0.00	0.000	0.000
8/31/2010	2.81	3.65	1.30		10.31	6.39	0.00	0.000	0.000
9/30/2010	2.96	3.40	1.15		10.40	6.49	0.00	0.000	0.000
10/31/2010	3.08	2.87	0.93	1.58	10.50	6.58	0.05	0.256	0.003
11/30/2010	2.98	3.20	1.07	16.80	10.59	6.67	0.55	2.630	0.031
12/31/2010	1.93	2.66	1.38	19.77	10.65	6.75	1.17	4.184	0.064
1/31/2011	3.90	3.60	0.92	19.90	10.77	6.87	1.78	2.563	0.097
2/28/2011	4.12	4.81	1.17	20.32	10.88	7.00	2.35	2.206	0.126
3/31/2011	4.66	5.56	1.19	24.39	11.03	7.17	3.11	2.314	0.164
4/30/2011	4.95	6.19	1.25	24.43	11.18	7.36	3.84	2.129	0.199
5/31/2011	4.75	6.77	1.43		11.32	7.57	3.84	0.000	0.195
6/30/2011	5.01	6.74	1.35	23.70	11.47	7.77	4.55	1.960	0.227
7/31/2011	5.33	4.85	0.91	23.94	11.64	7.92	5.29	2.269	0.260
8/31/2011	5.05	1.86	0.37	23.00	11.80	7.98	6.01	3.167	0.292
9/30/2011	4.93	1.82	0.37	21.20	11.94	8.03	6.64	2.988	0.319
10/31/2011	4.93	5.80	1.18	20.58	12.10	8.21	7.28	1.859	0.344
11/30/2011	4.87	6.46	1.33	23.53	12.24	8.41	7.99	2.016	0.371
12/31/2011	4.92	6.36	1.29	23.29	12.40	8.60	8.71	2.003	0.398
1/31/2012	5.13	5.91	1.15	23.19	12.55	8.79	9.43	2.036	0.424
2/29/2012	5.25	5.69	1.08	22.10	12.71	8.95	10.07	1.955	0.447
3/31/2012	5.13	5.62	1.10	19.16	12.87	9.13	10.66	1.725	0.466
4/30/2012	5.13	2.56	0.50	15.00	13.02	9.20	11.11	1.863	0.481
5/31/2012	5.07	1.44	0.28	9.71	13.18	9.25	11.41	1.414	0.489
6/30/2012	5.57	1.03	0.18	14.27	13.34	9.28	11.84	2.044	0.503
7/31/2012	5.37	1.15	0.21	14.35	13.51	9.32	12.29	2.083	0.517
8/31/2012	4.77	1.78	0.37	19.65	13.66	9.37	12.90	2.855	0.538
9/30/2012	4.66	6.61	1.42	21.70	13.80	9.57	13.55	1.872	0.557
10/31/2012	4.20	7.16	1.71	21.45	13.93	9.79	14.21	1.842	0.576
11/30/2012	4.72	5.50	1.17	16.20	14.07	9.96	14.70	1.535	0.588
12/31/2012	4.70	1.91	0.41	16.10	14.22	10.01	15.20	2.319	0.603
1/31/2013	4.54	2.02	0.44	17.52	14.36	10.08	15.74	2.549	0.619
2/28/2013	4.57	6.37	1.39	20.04	14.48	10.26	16.30	1.781	0.633
3/31/2013	4.28	6.69	1.56	19.68	14.62	10.46	16.91	1.748	0.648
4/30/2013	3.92	3.09	0.79	16.67	14.73	10.56	17.41	2.290	0.662
5/31/2013	3.74	2.58	0.69	14.71	14.85	10.64	17.87	2.237	0.674
6/30/2013	3.46	6.01	1.74	13.57	14.95	10.82	18.27	1.396	0.682
7/31/2013	3.26	2.61	0.80	13.13	15.06	10.90	18.68	2.155	0.692
8/31/2013	3.28	4.54	1.38	13.29	15.16	11.04	19.09	1.653	0.701
9/30/2013	3.21	7.17	2.23	15.23	15.25	11.25	19.55	1.438	0.709
10/31/2013	3.04	5.22	1.72	12.90	15.35	11.41	19.95	1.523	0.717
11/30/2013	2.94	11.16	3.79	16.63	15.44	11.75	20.45	1.163	0.724
12/31/2013	3.31	9.95	3.00	18.13	15.54	12.06	21.01	1.344	0.733

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 2.33 m3/m3

Pattern: 02/08-12-008-29Inj Set: Unit#3

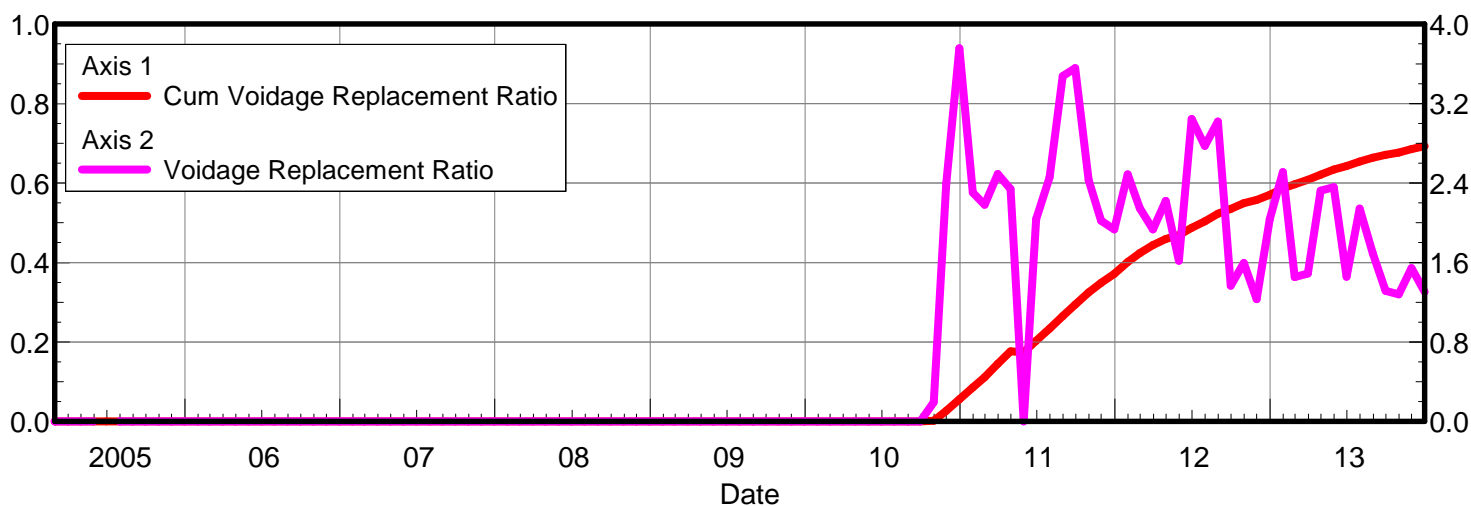
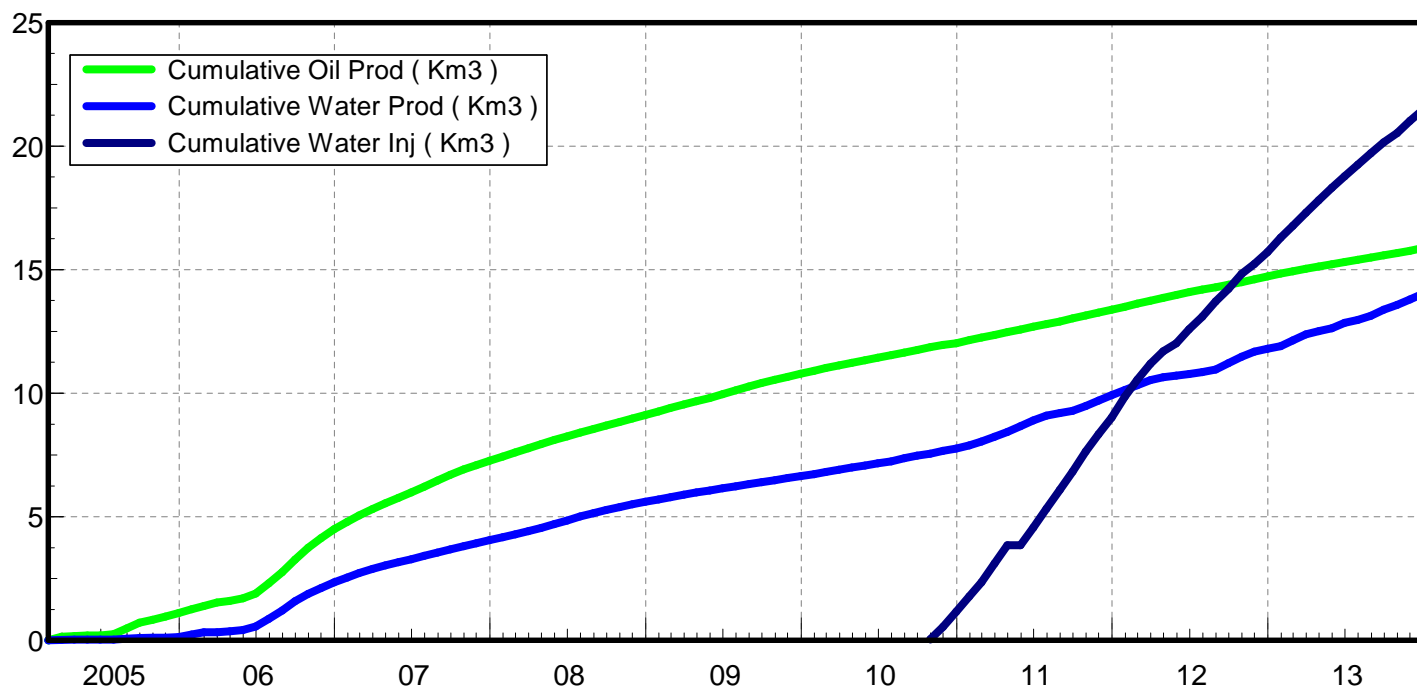
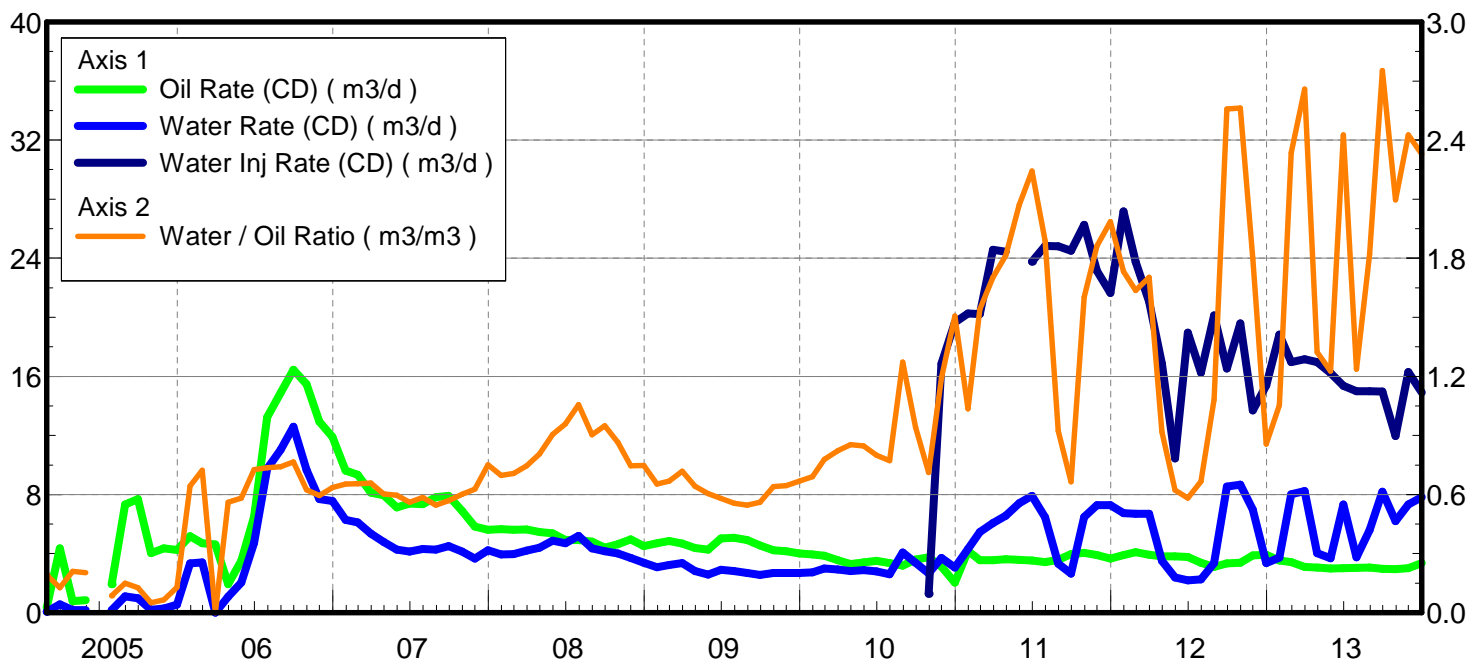
March 09, 2014

Operator: Tundra\_O&G\_Prtnshp

Oil Rate (CD) : 3.36 m3/d

Water Rate (CD) : 7.83 m3/d

Water Inj Rate (CD) : 14.90 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
2/28/2005	0.35	0.07	0.19		0.01	0.00	0.00	0.000	0.000
3/31/2005	4.37	0.55	0.13		0.15	0.02	0.00	0.000	0.000
4/30/2005	0.79	0.17	0.21		0.17	0.02	0.00	0.000	0.000
5/31/2005	0.85	0.17	0.20		0.20	0.03	0.00	0.000	0.000
7/31/2005	1.94	0.17	0.09		0.26	0.03	0.00	0.000	0.000
8/31/2005	7.32	1.10	0.15		0.48	0.07	0.00	0.000	0.000
9/30/2005	7.68	0.98	0.13		0.71	0.10	0.00	0.000	0.000
10/31/2005	4.02	0.20	0.05		0.84	0.10	0.00	0.000	0.000
11/30/2005	4.35	0.29	0.07		0.97	0.11	0.00	0.000	0.000
12/31/2005	4.24	0.55	0.13		1.10	0.13	0.00	0.000	0.000
1/31/2006	5.18	3.33	0.64		1.26	0.23	0.00	0.000	0.000
2/28/2006	4.69	3.39	0.72		1.39	0.33	0.00	0.000	0.000
3/31/2006	4.61	0.00	0.00		1.53	0.33	0.00	0.000	0.000
4/30/2006	1.93	1.08	0.56		1.59	0.36	0.00	0.000	0.000
5/31/2006	3.51	2.04	0.58		1.70	0.42	0.00	0.000	0.000
6/30/2006	6.50	4.72	0.73		1.90	0.57	0.00	0.000	0.000
7/31/2006	13.24	9.75	0.74		2.31	0.87	0.00	0.000	0.000
8/31/2006	14.89	11.04	0.74		2.77	1.21	0.00	0.000	0.000
9/30/2006	16.45	12.58	0.76		3.26	1.59	0.00	0.000	0.000
10/31/2006	15.48	9.67	0.62		3.74	1.89	0.00	0.000	0.000
11/30/2006	12.93	7.70	0.60		4.13	2.12	0.00	0.000	0.000
12/31/2006	11.91	7.56	0.64		4.50	2.35	0.00	0.000	0.000
1/31/2007	9.62	6.29	0.65		4.80	2.55	0.00	0.000	0.000
2/28/2007	9.35	6.12	0.65		5.06	2.72	0.00	0.000	0.000
3/31/2007	8.13	5.35	0.66		5.31	2.88	0.00	0.000	0.000
4/30/2007	7.95	4.80	0.60		5.55	3.03	0.00	0.000	0.000
5/31/2007	7.14	4.26	0.60		5.77	3.16	0.00	0.000	0.000
6/30/2007	7.39	4.14	0.56		5.99	3.29	0.00	0.000	0.000
7/31/2007	7.36	4.30	0.58		6.22	3.42	0.00	0.000	0.000
8/31/2007	7.83	4.28	0.55		6.46	3.55	0.00	0.000	0.000
9/30/2007	7.91	4.50	0.57		6.70	3.69	0.00	0.000	0.000
10/31/2007	6.90	4.15	0.60		6.91	3.81	0.00	0.000	0.000
11/30/2007	5.83	3.65	0.63		7.09	3.92	0.00	0.000	0.000
12/31/2007	5.62	4.22	0.75		7.26	4.06	0.00	0.000	0.000
1/31/2008	5.66	3.95	0.70		7.44	4.18	0.00	0.000	0.000
2/29/2008	5.60	3.96	0.71		7.60	4.29	0.00	0.000	0.000
3/31/2008	5.64	4.21	0.75		7.78	4.42	0.00	0.000	0.000
4/30/2008	5.45	4.40	0.81		7.94	4.55	0.00	0.000	0.000
5/31/2008	5.39	4.88	0.91		8.11	4.71	0.00	0.000	0.000
6/30/2008	4.91	4.71	0.96		8.25	4.85	0.00	0.000	0.000
7/31/2008	4.93	5.20	1.06		8.41	5.01	0.00	0.000	0.000
8/31/2008	4.82	4.35	0.90		8.56	5.14	0.00	0.000	0.000
9/30/2008	4.39	4.17	0.95		8.69	5.27	0.00	0.000	0.000
10/31/2008	4.63	4.01	0.86		8.83	5.39	0.00	0.000	0.000
11/30/2008	4.97	3.71	0.75		8.98	5.50	0.00	0.000	0.000
12/31/2008	4.51	3.37	0.75		9.12	5.61	0.00	0.000	0.000
1/31/2009	4.70	3.07	0.65		9.27	5.70	0.00	0.000	0.000
2/28/2009	4.85	3.24	0.67		9.40	5.79	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	4.68	3.36	0.72		9.55	5.90	0.00	0.000	0.000
4/30/2009	4.38	2.81	0.64		9.68	5.98	0.00	0.000	0.000
5/31/2009	4.28	2.58	0.60		9.81	6.06	0.00	0.000	0.000
6/30/2009	5.02	2.91	0.58		9.96	6.15	0.00	0.000	0.000
7/31/2009	5.07	2.82	0.56		10.12	6.24	0.00	0.000	0.000
8/31/2009	4.93	2.70	0.55		10.27	6.32	0.00	0.000	0.000
9/30/2009	4.56	2.56	0.56		10.41	6.40	0.00	0.000	0.000
10/31/2009	4.22	2.70	0.64		10.54	6.48	0.00	0.000	0.000
11/30/2009	4.15	2.68	0.65		10.66	6.56	0.00	0.000	0.000
12/31/2009	4.02	2.68	0.67		10.79	6.65	0.00	0.000	0.000
1/31/2010	3.95	2.73	0.69		10.91	6.73	0.00	0.000	0.000
2/28/2010	3.86	3.00	0.78		11.02	6.81	0.00	0.000	0.000
3/31/2010	3.56	2.93	0.82		11.13	6.91	0.00	0.000	0.000
4/30/2010	3.29	2.81	0.85		11.23	6.99	0.00	0.000	0.000
5/31/2010	3.41	2.89	0.85		11.33	7.08	0.00	0.000	0.000
6/30/2010	3.50	2.80	0.80		11.44	7.16	0.00	0.000	0.000
7/31/2010	3.36	2.60	0.77		11.54	7.24	0.00	0.000	0.000
8/31/2010	3.20	4.06	1.27		11.64	7.37	0.00	0.000	0.000
9/30/2010	3.60	3.39	0.94		11.75	7.47	0.00	0.000	0.000
10/31/2010	3.75	2.67	0.71	1.29	11.87	7.55	0.04	0.193	0.002
11/30/2010	3.12	3.71	1.19	16.86	11.96	7.67	0.55	2.393	0.027
12/31/2010	2.03	3.06	1.51	19.65	12.02	7.76	1.16	3.757	0.056
1/31/2011	4.17	4.32	1.04	20.26	12.15	7.89	1.78	2.305	0.085
2/28/2011	3.55	5.47	1.54	20.21	12.25	8.05	2.35	2.182	0.111
3/31/2011	3.56	6.06	1.70	24.58	12.36	8.24	3.11	2.492	0.145
4/30/2011	3.62	6.57	1.81	24.43	12.47	8.43	3.84	2.339	0.177
5/31/2011	3.58	7.42	2.07		12.58	8.66	3.84	0.000	0.174
6/30/2011	3.52	7.91	2.24	23.77	12.69	8.90	4.56	2.035	0.203
7/31/2011	3.42	6.45	1.89	24.84	12.79	9.10	5.33	2.458	0.234
8/31/2011	3.58	3.31	0.92	24.81	12.90	9.20	6.10	3.475	0.265
9/30/2011	3.97	2.64	0.66	24.50	13.02	9.28	6.83	3.558	0.294
10/31/2011	4.04	6.48	1.60	26.26	13.15	9.48	7.64	2.430	0.325
11/30/2011	3.90	7.27	1.86	23.13	13.27	9.70	8.34	2.021	0.349
12/31/2011	3.66	7.28	1.99	21.65	13.38	9.93	9.01	1.934	0.372
1/31/2012	3.90	6.75	1.73	27.16	13.50	10.14	9.85	2.489	0.401
2/29/2012	4.09	6.69	1.64	23.76	13.62	10.33	10.54	2.146	0.423
3/31/2012	3.93	6.69	1.70	21.06	13.74	10.54	11.19	1.934	0.444
4/30/2012	3.82	3.51	0.92	16.87	13.86	10.64	11.70	2.220	0.460
5/31/2012	3.82	2.38	0.62	10.45	13.97	10.72	12.02	1.618	0.469
6/30/2012	3.77	2.19	0.58	18.97	14.09	10.78	12.59	3.046	0.487
7/31/2012	3.38	2.25	0.67	16.26	14.19	10.85	13.10	2.774	0.503
8/31/2012	3.10	3.35	1.08	20.13	14.29	10.96	13.72	3.020	0.523
9/30/2012	3.34	8.54	2.56	16.53	14.39	11.21	14.22	1.365	0.535
10/31/2012	3.38	8.66	2.56	19.58	14.49	11.48	14.82	1.595	0.549
11/30/2012	3.88	6.98	1.80	13.70	14.61	11.69	15.23	1.230	0.558
12/31/2012	3.92	3.36	0.86	15.39	14.73	11.79	15.71	2.038	0.570
1/31/2013	3.54	3.72	1.05	18.84	14.84	11.91	16.30	2.511	0.587
2/28/2013	3.43	8.01	2.34	16.96	14.94	12.13	16.77	1.453	0.597

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
3/31/2013	3.10	8.23	2.66	17.16	15.03	12.39	17.30	1.487	0.608
4/30/2013	3.05	4.04	1.32	16.97	15.12	12.51	17.81	2.325	0.621
5/31/2013	3.00	3.68	1.23	16.23	15.22	12.62	18.32	2.359	0.634
6/30/2013	3.02	7.32	2.43	15.37	15.31	12.84	18.78	1.457	0.643
7/31/2013	3.04	3.75	1.24	15.00	15.40	12.96	19.24	2.143	0.654
8/31/2013	3.07	5.58	1.82	15.00	15.50	13.13	19.71	1.692	0.663
9/30/2013	2.98	8.20	2.75	14.97	15.59	13.38	20.16	1.315	0.671
10/31/2013	2.95	6.19	2.10	11.97	15.68	13.57	20.53	1.280	0.677
11/30/2013	3.02	7.33	2.43	16.30	15.77	13.79	21.02	1.543	0.686
12/31/2013	3.36	7.83	2.33	14.90	15.87	14.03	21.48	1.304	0.693

# Pattern: 02/09-12-008-29Inj Set: Unit#3

Oil Formation Vol Factor : 1.07100 m3/m3

Water Formation Vol Factor : 1.00150 m3/m3

Water / Oil Ratio : 0.80 m3/m3

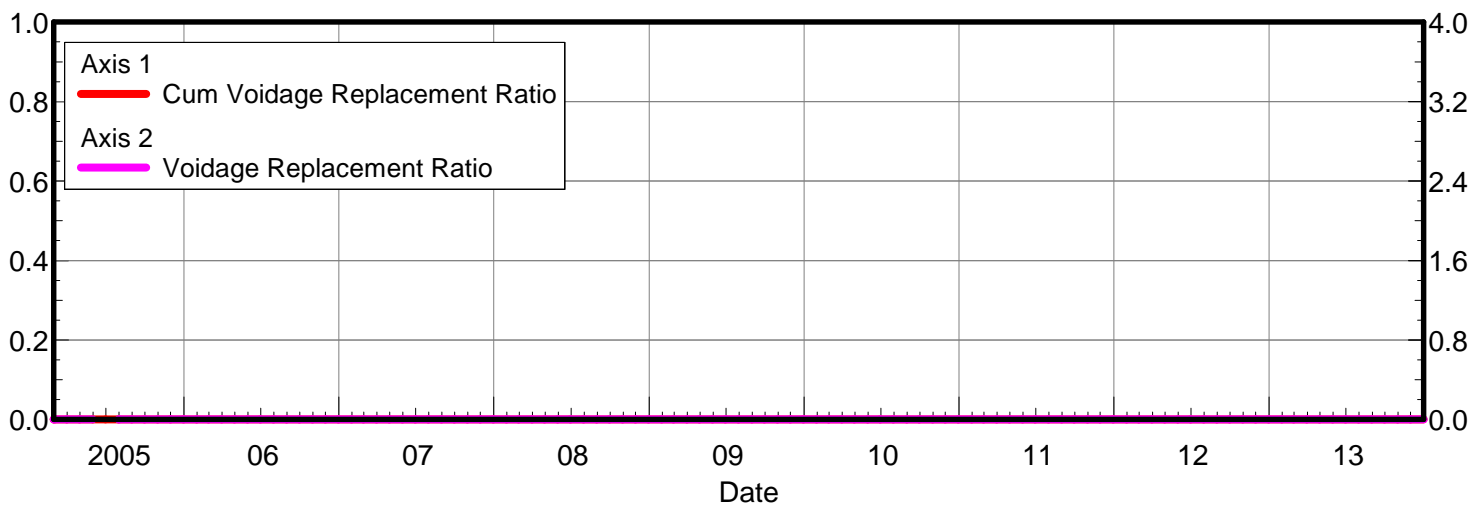
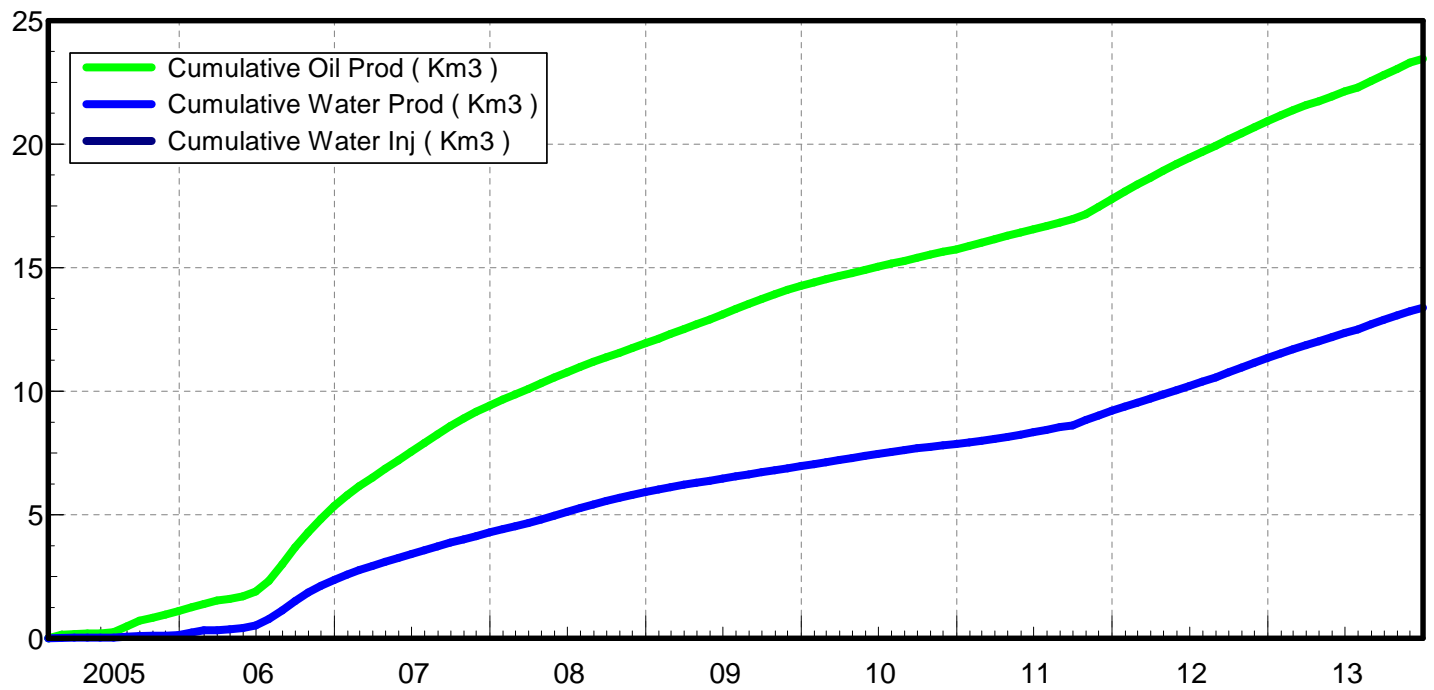
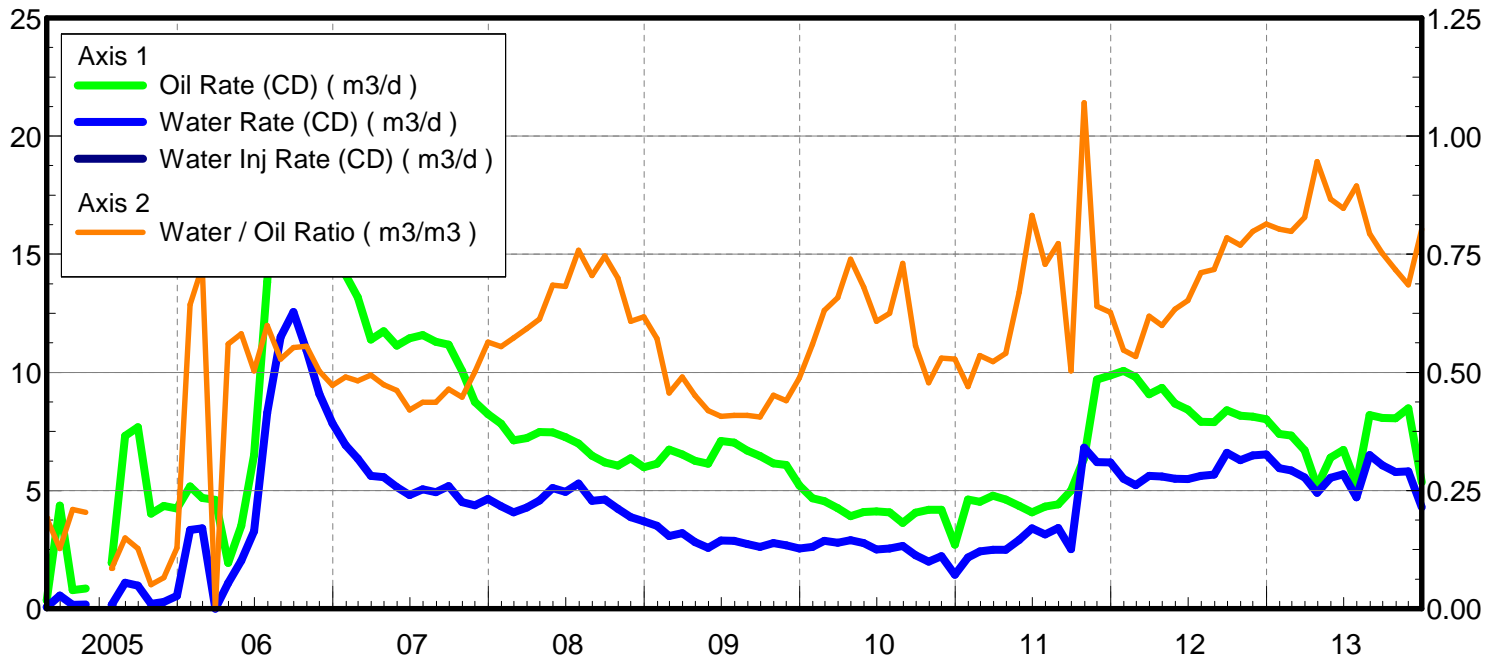
March 09, 2014

Operator: Tundra\_O&G\_Prtnshp

Oil Rate (CD) : 5.35 m3/d

Water Rate (CD) : 4.30 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
2/28/2005	0.35	0.07	0.19		0.01	0.00	0.00	0.000	0.000
3/31/2005	4.37	0.55	0.13		0.15	0.02	0.00	0.000	0.000
4/30/2005	0.79	0.17	0.21		0.17	0.02	0.00	0.000	0.000
5/31/2005	0.85	0.17	0.20		0.20	0.03	0.00	0.000	0.000
7/31/2005	1.94	0.17	0.09		0.26	0.03	0.00	0.000	0.000
8/31/2005	7.32	1.10	0.15		0.48	0.07	0.00	0.000	0.000
9/30/2005	7.68	0.98	0.13		0.71	0.10	0.00	0.000	0.000
10/31/2005	4.02	0.20	0.05		0.84	0.10	0.00	0.000	0.000
11/30/2005	4.35	0.29	0.07		0.97	0.11	0.00	0.000	0.000
12/31/2005	4.24	0.55	0.13		1.10	0.13	0.00	0.000	0.000
1/31/2006	5.18	3.33	0.64		1.26	0.23	0.00	0.000	0.000
2/28/2006	4.69	3.39	0.72		1.39	0.33	0.00	0.000	0.000
3/31/2006	4.61	0.00	0.00		1.53	0.33	0.00	0.000	0.000
4/30/2006	1.93	1.08	0.56		1.59	0.36	0.00	0.000	0.000
5/31/2006	3.50	2.04	0.58		1.70	0.42	0.00	0.000	0.000
6/30/2006	6.50	3.27	0.50		1.90	0.52	0.00	0.000	0.000
7/31/2006	13.83	8.29	0.60		2.32	0.78	0.00	0.000	0.000
8/31/2006	21.78	11.50	0.53		3.00	1.14	0.00	0.000	0.000
9/30/2006	22.73	12.56	0.55		3.68	1.51	0.00	0.000	0.000
10/31/2006	19.69	10.94	0.56		4.29	1.85	0.00	0.000	0.000
11/30/2006	18.10	9.09	0.50		4.83	2.12	0.00	0.000	0.000
12/31/2006	16.58	7.84	0.47		5.35	2.37	0.00	0.000	0.000
1/31/2007	14.13	6.92	0.49		5.79	2.58	0.00	0.000	0.000
2/28/2007	13.18	6.35	0.48		6.16	2.76	0.00	0.000	0.000
3/31/2007	11.39	5.63	0.49		6.51	2.93	0.00	0.000	0.000
4/30/2007	11.74	5.57	0.47		6.86	3.10	0.00	0.000	0.000
5/31/2007	11.14	5.14	0.46		7.21	3.26	0.00	0.000	0.000
6/30/2007	11.45	4.82	0.42		7.55	3.40	0.00	0.000	0.000
7/31/2007	11.58	5.06	0.44		7.91	3.56	0.00	0.000	0.000
8/31/2007	11.29	4.93	0.44		8.26	3.71	0.00	0.000	0.000
9/30/2007	11.17	5.19	0.46		8.59	3.87	0.00	0.000	0.000
10/31/2007	10.06	4.50	0.45		8.91	4.01	0.00	0.000	0.000
11/30/2007	8.75	4.38	0.50		9.17	4.14	0.00	0.000	0.000
12/31/2007	8.24	4.65	0.56		9.42	4.28	0.00	0.000	0.000
1/31/2008	7.83	4.34	0.55		9.67	4.42	0.00	0.000	0.000
2/29/2008	7.12	4.08	0.57		9.87	4.54	0.00	0.000	0.000
3/31/2008	7.22	4.28	0.59		10.10	4.67	0.00	0.000	0.000
4/30/2008	7.48	4.58	0.61		10.32	4.81	0.00	0.000	0.000
5/31/2008	7.47	5.11	0.68		10.55	4.97	0.00	0.000	0.000
6/30/2008	7.26	4.95	0.68		10.77	5.11	0.00	0.000	0.000
7/31/2008	6.98	5.30	0.76		10.99	5.28	0.00	0.000	0.000
8/31/2008	6.47	4.56	0.71		11.19	5.42	0.00	0.000	0.000
9/30/2008	6.19	4.62	0.75		11.37	5.56	0.00	0.000	0.000
10/31/2008	6.05	4.23	0.70		11.56	5.69	0.00	0.000	0.000
11/30/2008	6.37	3.88	0.61		11.75	5.81	0.00	0.000	0.000
12/31/2008	5.98	3.69	0.62		11.94	5.92	0.00	0.000	0.000
1/31/2009	6.14	3.51	0.57		12.13	6.03	0.00	0.000	0.000
2/28/2009	6.74	3.07	0.46		12.32	6.12	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 Replacemnt Ratio
3/31/2009	6.53	3.20	0.49		12.52	6.21	0.00	0.000	0.000
4/30/2009	6.26	2.82	0.45		12.71	6.30	0.00	0.000	0.000
5/31/2009	6.13	2.57	0.42		12.90	6.38	0.00	0.000	0.000
6/30/2009	7.09	2.89	0.41		13.11	6.47	0.00	0.000	0.000
7/31/2009	7.03	2.87	0.41		13.33	6.55	0.00	0.000	0.000
8/31/2009	6.69	2.74	0.41		13.53	6.64	0.00	0.000	0.000
9/30/2009	6.46	2.62	0.41		13.73	6.72	0.00	0.000	0.000
10/31/2009	6.15	2.77	0.45		13.92	6.80	0.00	0.000	0.000
11/30/2009	6.08	2.68	0.44		14.10	6.88	0.00	0.000	0.000
12/31/2009	5.21	2.55	0.49		14.26	6.96	0.00	0.000	0.000
1/31/2010	4.68	2.61	0.56		14.41	7.04	0.00	0.000	0.000
2/28/2010	4.55	2.87	0.63		14.53	7.13	0.00	0.000	0.000
3/31/2010	4.25	2.80	0.66		14.67	7.21	0.00	0.000	0.000
4/30/2010	3.92	2.90	0.74		14.78	7.30	0.00	0.000	0.000
5/31/2010	4.09	2.78	0.68		14.91	7.38	0.00	0.000	0.000
6/30/2010	4.12	2.50	0.61		15.03	7.46	0.00	0.000	0.000
7/31/2010	4.08	2.55	0.63		15.16	7.54	0.00	0.000	0.000
8/31/2010	3.63	2.65	0.73		15.27	7.62	0.00	0.000	0.000
9/30/2010	4.07	2.27	0.56		15.40	7.69	0.00	0.000	0.000
10/31/2010	4.18	2.00	0.48		15.53	7.75	0.00	0.000	0.000
11/30/2010	4.18	2.22	0.53		15.65	7.82	0.00	0.000	0.000
12/31/2010	2.71	1.43	0.53		15.73	7.86	0.00	0.000	0.000
1/31/2011	4.62	2.17	0.47		15.88	7.93	0.00	0.000	0.000
2/28/2011	4.53	2.42	0.54		16.00	8.00	0.00	0.000	0.000
3/31/2011	4.78	2.50	0.52		16.15	8.07	0.00	0.000	0.000
4/30/2011	4.62	2.50	0.54		16.29	8.15	0.00	0.000	0.000
5/31/2011	4.35	2.91	0.67		16.43	8.24	0.00	0.000	0.000
6/30/2011	4.08	3.40	0.83		16.55	8.34	0.00	0.000	0.000
7/31/2011	4.32	3.15	0.73		16.68	8.44	0.00	0.000	0.000
8/31/2011	4.41	3.41	0.77		16.82	8.55	0.00	0.000	0.000
9/30/2011	5.00	2.51	0.50		16.97	8.62	0.00	0.000	0.000
10/31/2011	6.37	6.82	1.07		17.17	8.83	0.00	0.000	0.000
11/30/2011	9.70	6.21	0.64		17.46	9.02	0.00	0.000	0.000
12/31/2011	9.87	6.19	0.63		17.76	9.21	0.00	0.000	0.000
1/31/2012	10.07	5.50	0.55		18.08	9.38	0.00	0.000	0.000
2/29/2012	9.81	5.23	0.53		18.36	9.53	0.00	0.000	0.000
3/31/2012	9.08	5.62	0.62		18.64	9.71	0.00	0.000	0.000
4/30/2012	9.35	5.60	0.60		18.92	9.87	0.00	0.000	0.000
5/31/2012	8.69	5.50	0.63		19.19	10.05	0.00	0.000	0.000
6/30/2012	8.42	5.49	0.65		19.44	10.21	0.00	0.000	0.000
7/31/2012	7.91	5.63	0.71		19.69	10.38	0.00	0.000	0.000
8/31/2012	7.90	5.67	0.72		19.93	10.56	0.00	0.000	0.000
9/30/2012	8.40	6.59	0.79		20.19	10.76	0.00	0.000	0.000
10/31/2012	8.17	6.28	0.77		20.44	10.95	0.00	0.000	0.000
11/30/2012	8.12	6.48	0.80		20.68	11.15	0.00	0.000	0.000
12/31/2012	8.02	6.53	0.81		20.93	11.35	0.00	0.000	0.000
1/31/2013	7.40	5.94	0.80		21.16	11.53	0.00	0.000	0.000
2/28/2013	7.33	5.85	0.80		21.37	11.70	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
3/31/2013	6.70	5.55	0.83		21.57	11.87	0.00	0.000	0.000
4/30/2013	5.18	4.90	0.95		21.73	12.02	0.00	0.000	0.000
5/31/2013	6.39	5.54	0.87		21.93	12.19	0.00	0.000	0.000
6/30/2013	6.72	5.69	0.85		22.13	12.36	0.00	0.000	0.000
7/31/2013	5.26	4.71	0.89		22.29	12.50	0.00	0.000	0.000
8/31/2013	8.19	6.50	0.79		22.55	12.71	0.00	0.000	0.000
9/30/2013	8.07	6.07	0.75		22.79	12.89	0.00	0.000	0.000
10/31/2013	8.06	5.78	0.72		23.04	13.07	0.00	0.000	0.000
11/30/2013	8.48	5.81	0.69		23.29	13.24	0.00	0.000	0.000
12/31/2013	5.35	4.30	0.80		23.46	13.37	0.00	0.000	0.000