

KOLA UNIT NO. 2
WATERFLOOD EOR PROJECT

ANNUAL REPORT FOR 2010

July 28, 2011

Tundra Oil and Gas Partnership

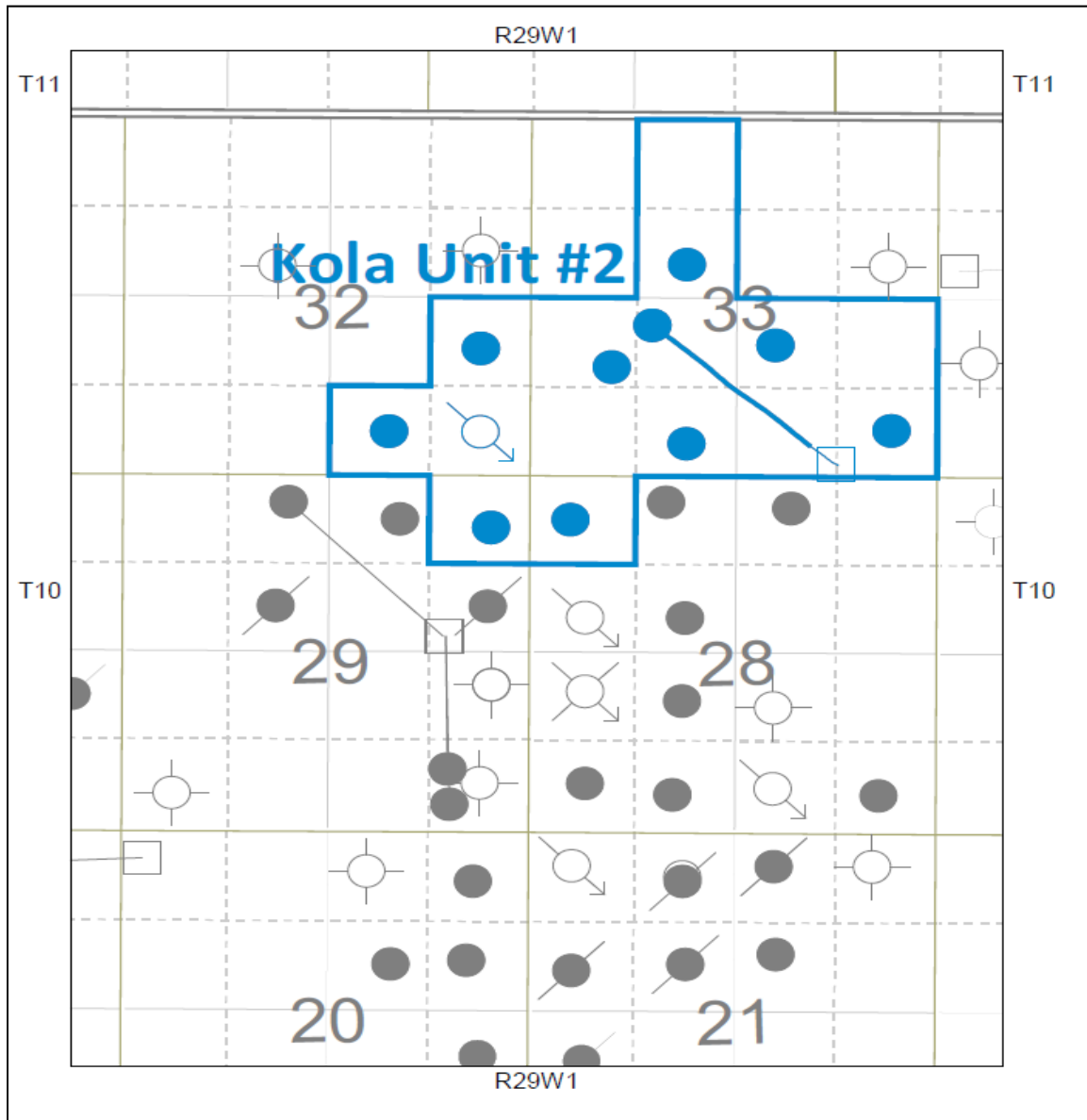
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INTRODUCTION

Kola Unit No. 2 Enhanced Oil Recovery (EOR) Waterflood Project was approved under Waterflood Order No. 4 effective December 1, 1996 with Tundra Oil and Gas Ltd. as Operator. The EOR project area contains 11 wells in 15 LSDs in Township 10, Range 29 W1 as shown in the figure below. Well list and well status is available in Appendix A.

Figure 1: Kola Unit No. 2 Area Outline



In accordance with Section 73 of the Manitoba Drilling and Production Regulation, Tundra hereby submits the 2010 Annual Progress Report for Kola Unit No. 2 as required by Waterflood Order No 4.

DISCUSSION

Production History

For the wells included in Kola unit No. 2, production started March 1993 with 00/16-29-010-29W1/0 well. The water oil ratio (WOR) averaged 1.01 m³/m³ over the last half of 2010. Oil production peaked at 42.7 m³/d in March of 1998. The Unit was producing 9.33 m³/d of oil and 11.3 m³/d of water, in December 2010. The oil production rate, injection rate, and WOR during each month for each injection pattern and for whole project are presented in Appendix D. The rates and WOR are presented in Figure 2.

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

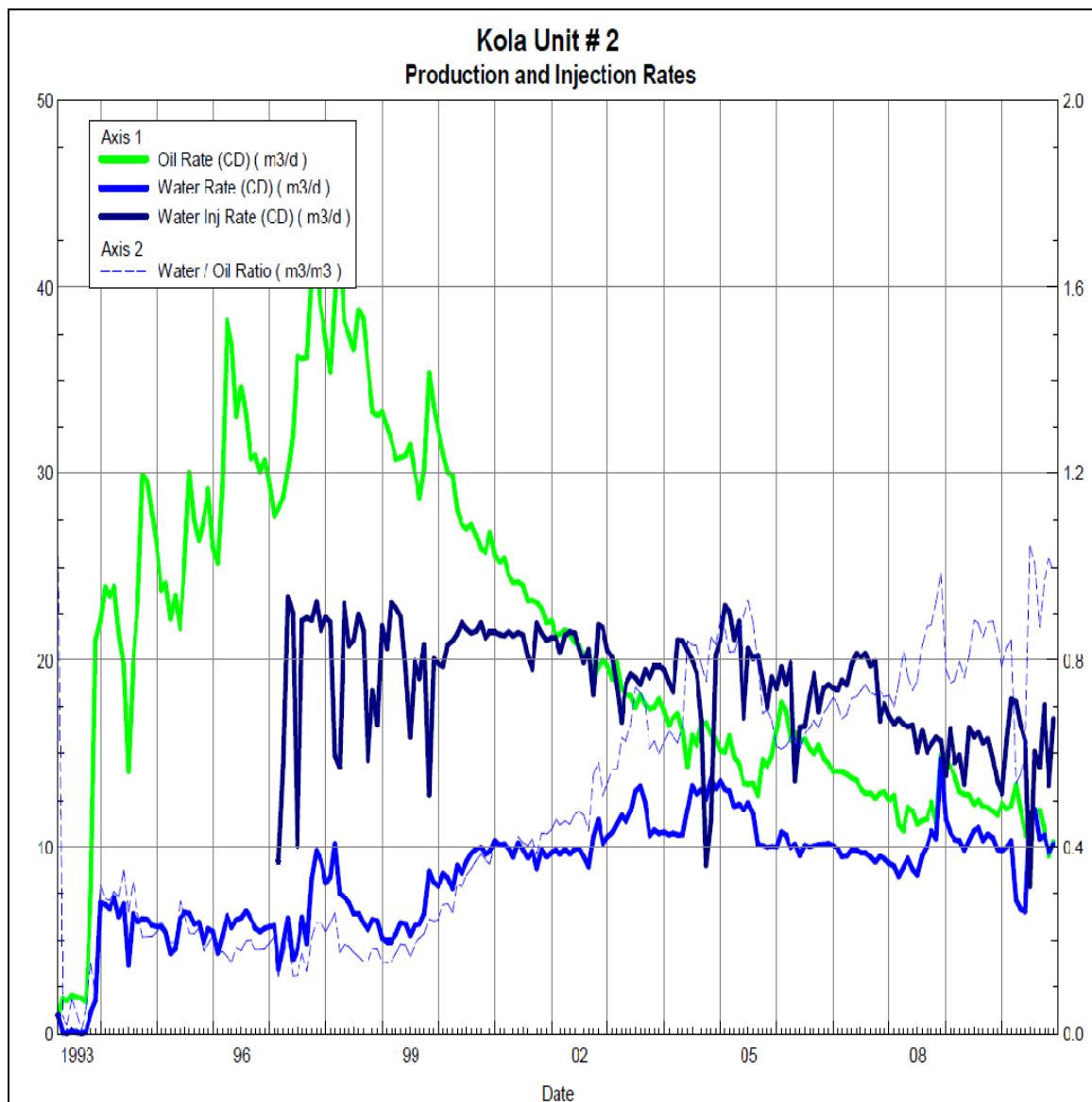
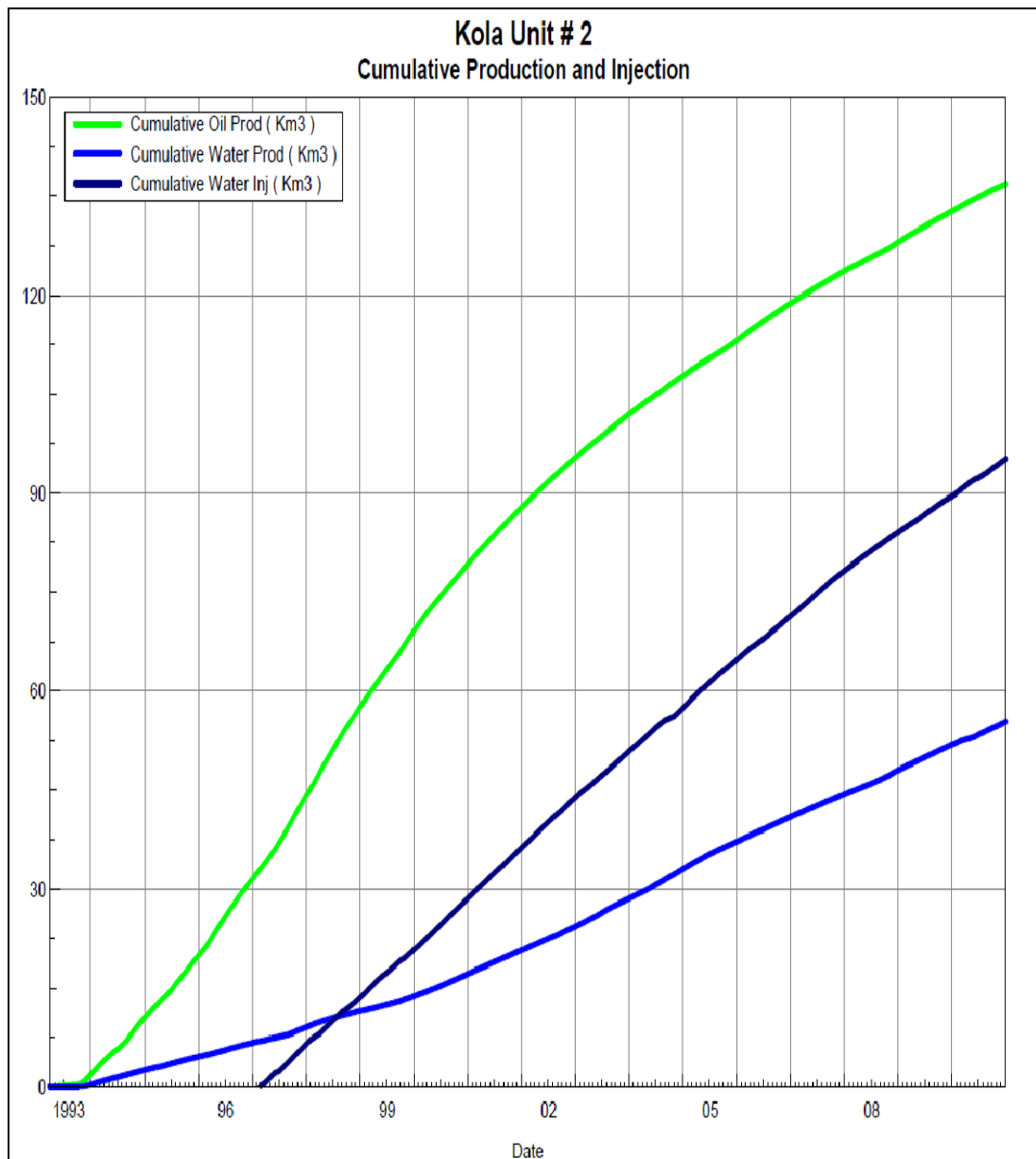


Figure 3 shows the cumulative production for Kola Unit No. 2 to the end of December 2010 as 137 E³m³ of oil, and 55.8 E³m³ of water. The cumulative water injected is over 95.1 E³m³. The original oil-in-place of Kola Unit No. 2 is estimated at 1190 E³m³. In 2010, recovery factor of Kola Unit No. 2 is 11.5%. The cumulative volume of oil, and

water produced and fluid injected for each injection pattern and for the whole project for each injection well is presented in Appendix D.

Figure 3: Kola Unit No. 2 Cumulative Oil, Water and Water Injected vs Time



Waterflood History

As of December 2010 the Unit has 1 active vertical injector. Water injection started in February 1997. Water has only been injected through 00/01-32-010-29W1/0.

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

Waterflood EOR Operating Strategy and Performance

Water Source and Quality

Injected fluid consists of water producing from the Lodgepole formation, from the unit and surrounding area. Water is filtered to 25 microns prior to re-injection.

Injection Wellhead Pressures

The Average monthly wellhead injection pressures are summarized in Appendix B, and show all injection pressure since 2003. Average Injection pressure for 00/01-32-010-29W1/0 was 9966 kPag in 2010.

Reservoir Pressure

No reservoir pressure measurements were taken at Kola Unit No. 2, in 2010.

Well Servicing

The following table summarizes the well servicing performed within Kola Unit No. 2 during 2010:

Table 1: Kola Unit No. 2 Well Servicing

00/01-32-010-29W1/0	Well Repair	6/21/2010
00/02-32-010-29W1/0	Well Repair	6/10/2010
00/03-33-010-29W1/0	Well Repair	6/22/2010
00/05-33-010-29W1/0	Well Repair	12/3/2010

Voidage Replacement

Cumulative voidage for the Kola Unit No. 2 was 1.00 in December 2010. Tundra hopes to maintain this cumulative VRR, by keeping water injection at its current rate for the foreseeable future. Calculation, plots and tables of the Voidage replacement ratio on a monthly and cumulative basis for each injection pattern and for the project area are presented in Appendix D.

Waterflood Performance Discussion

The OOIP of Kola Unit No. 2 is estimated at 1190 E³m³. In 2010, recovery factor of Kola Unit No. 2 is 11.5% based on 137,000 m³ of cumulative oil recovered to date. The ultimate expected recoverable reserve based on decline analysis is 184,000 m³ or an ultimate recovery factor of 15.5%.

The overall performance of this waterflood has been good as indicated an expected recovery factor of 15.5%, beyond the primary recovery factor. Waterflood response is clearly evident in wells in the western part of the Unit. It should be easy to maintain a cumulative voidage of unity. There have been no water breakthrough issues.

Trends in production are very stable and mature. No changes are anticipated in the future trends. The waterflood performance will likely be improved significantly by the addition of another injector well in the east part of the Unit where recovery has been enhanced mainly by the addition of a horizontal well.

Optimization of the waterflood will be evaluated to add injection water in the under-supported area of the pool. Also, facility enhancements in the area may play a role in future optimization.

List of Appendices

Appendix A: Well Name and Well Status

Appendix B: Monthly Injection Wellhead Pressures Table and Plots

Appendix C: Kola Unit No. 2 Injection Pattern Summary

Appendix D: Injector Pattern Production/Injection Rates, Cumulative and VRRs

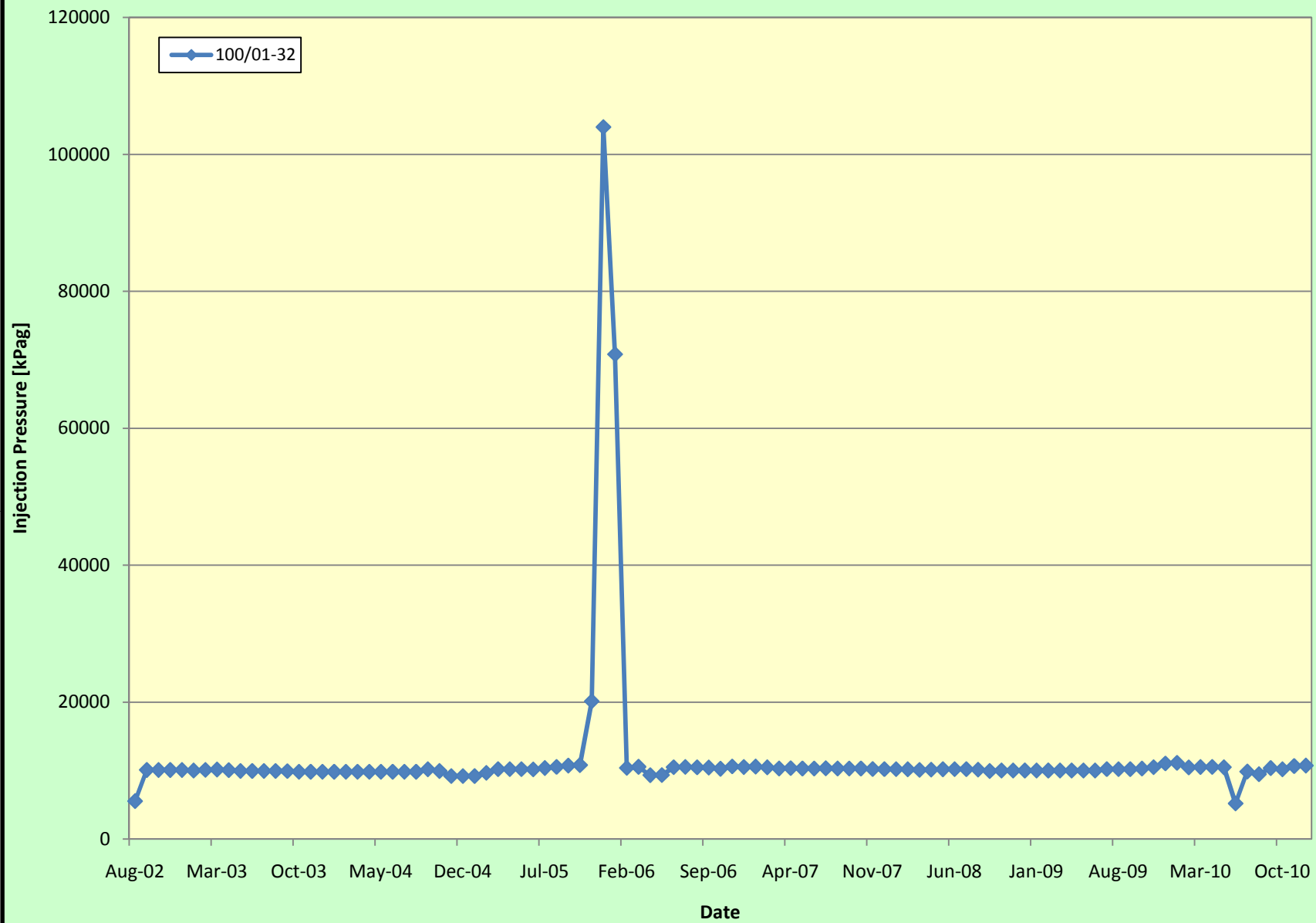
Plots and Table for the following Injector:

00/01-32-010-29W1/0

Appendix A

UWI	Surface Location	Well Status
100/13-28-010-29W1/00		Capable of OIL Prod
100/16-29-010-29W1/00		Capable of OIL Prod
100/01-32-010-29W1/00		WTR Injection
100/02-32-010-29W1/00		Capable of OIL Prod
100/08-32-010-29W1/00		Capable of OIL Prod
100/01-33-010-29W1/00		Capable of OIL Prod
100/03-33-010-29W1/00		Capable of OIL Prod
100/05-33-010-29W1/00		Capable of OIL Prod
100/06-33-010-29W1/00	100/02-33-010-29W1/00	Capable of OIL Prod
100/07-33-010-29W1/00		Capable of OIL Prod
100/11-33-010-29W1/00		Capable of OIL Prod

100/01-32Injection Pressures vs Time



Appendix B

Average Monthly Injection Pressure (kPag)

	Pattern
Month	100/01-32
Aug-02	5529
Sep-02	10082
Oct-02	10082
Nov-02	10082
Dec-02	10082
Jan-03	9998
Feb-03	10097
Mar-03	10144
Apr-03	10061
May-03	9940
Jun-03	9940
Jul-03	9940
Aug-03	9940
Sep-03	9913
Oct-03	9825
Nov-03	9825
Dec-03	9825
Jan-04	9825
Feb-04	9825
Mar-04	9825
Apr-04	9825
May-04	9825
Jun-04	9825
Jul-04	9825
Aug-04	9825
Sep-04	10182
Oct-04	9927
Nov-04	9190
Dec-04	9190
Jan-05	9190
Feb-05	9659
Mar-05	10200
Apr-05	10200
May-05	10200
Jun-05	10173
Jul-05	10369
Aug-05	10526
Sep-05	10727
Oct-05	10800
Nov-05	20120
Dec-05	104000

Average Monthly Injection Pressure (kPag)

	Pattern
Month	100/01-32
Jan-06	70806
Feb-06	10377
Mar-06	10549
Apr-06	9327
May-06	9342
Jun-06	10483
Jul-06	10529
Aug-06	10465
Sep-06	10440
Oct-06	10263
Nov-06	10599
Dec-06	10516
Jan-07	10574
Feb-07	10468
Mar-07	10300
Apr-07	10347
May-07	10301
Jun-07	10301
Jul-07	10333
Aug-07	10300
Sep-07	10301
Oct-07	10301
Nov-07	10221
Dec-07	10200
Jan-08	10200
Feb-08	10180
Mar-08	10101
Apr-08	10124
May-08	10190
Jun-08	10200
Jul-08	10200
Aug-08	10135
Sep-08	9934
Oct-08	10001
Nov-08	10001
Dec-08	10001
Jan-09	10001
Feb-09	10001
Mar-09	10001
Apr-09	10001
May-09	10001
Jun-09	10007
Jul-09	10201

Average Monthly Injection Pressure (kPag)

	Pattern
Month	100/01-32
Aug-09	10200
Sep-09	10200
Oct-09	10284
Nov-09	10487
Dec-09	11032
Jan-10	11123
Feb-10	10461
Mar-10	10516
Apr-10	10530
May-10	10477
Jun-10	5193
Jul-10	9852
Aug-10	9461
Sep-10	10357
Oct-10	10187
Nov-10	10654
Dec-10	10723

Pattern Name	Injector Location (010-29W)	Injector Surf. Location (010-29W1)	Status	Supported Wells (010-29W1)	No. of Support ed Wells	Allocatio n 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
00/01-32-010-29W1 Injector	00/01-32	Vertical Well	WTR Injection	01-33, 02-32, 03-33, 05-33, 06-33(Surf. 2-33), 07-33, 08- 32, 11-33, 13-28, 16-29	10	1	Mar 1993	Feb 1997	9.3	11.3	1.21	16.7	136.8	55..38	95.2	1.2	1.00

Appendix C

Pattern: 01-32-010-29W1 Set: Kola Unit # 2

Oil Formation Vol. Factor : 1.05 m3/m3

Water Formation Vol Factor : 1.00 m3/m3

Water / Oil Ratio : 1.28 m3/m3

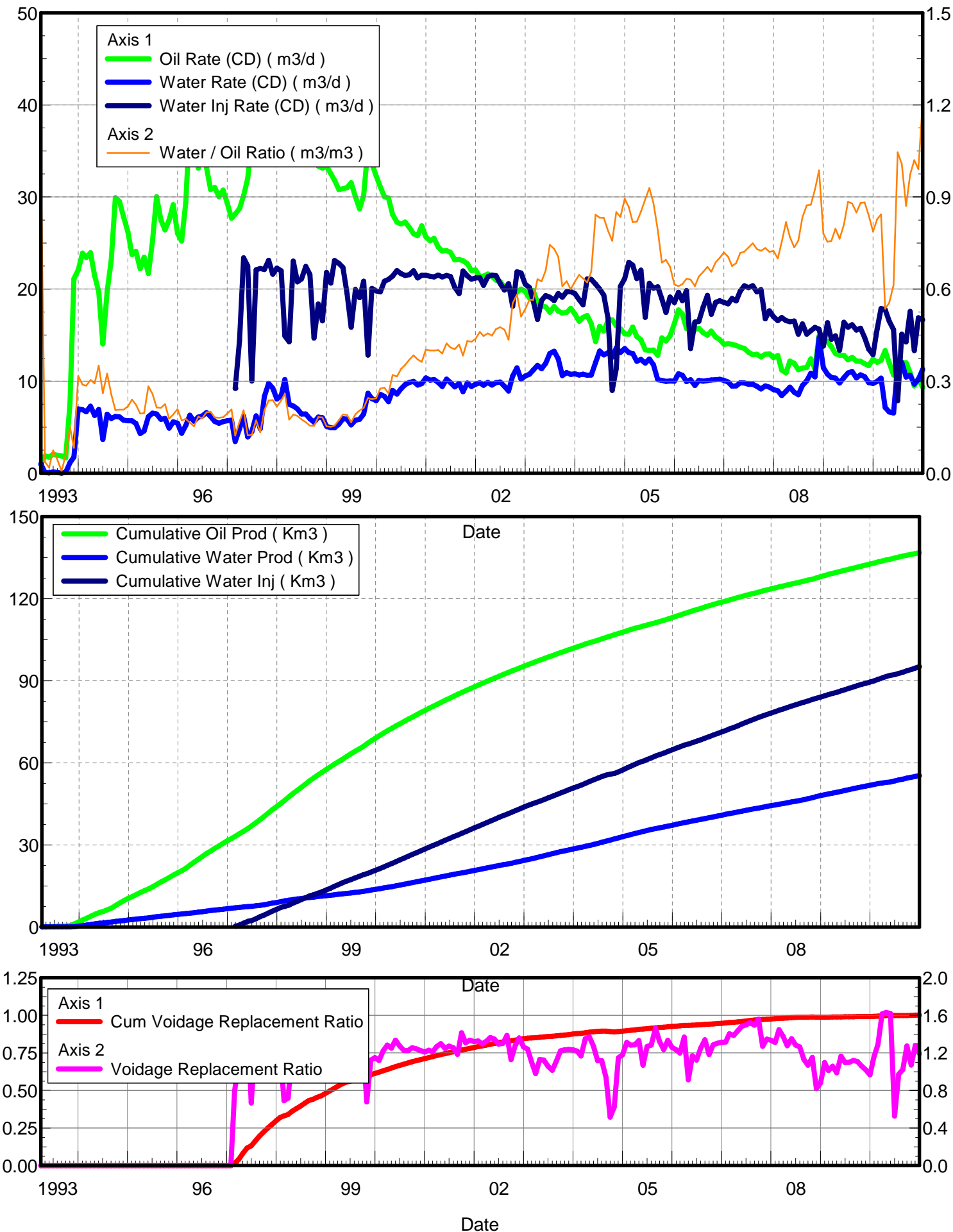
July 26, 2011

Operator: Tundra_Oil_and_Gas_Patnership

Oil Rate (CD) : 11.02 m3/d

Water Rate (CD) : 14.14 m3/d

Water Inj Rate (CD) : 17.01 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 Replacement Ratio
3/31/1993	0.96	0.98	1.02		0.03	0.03	0.00	0.000	0.000
4/30/1993	1.89	0.07	0.04		0.09	0.03	0.00	0.000	0.000
5/31/1993	1.74	0.03	0.02		0.14	0.03	0.00	0.000	0.000
6/30/1993	2.06	0.15	0.07		0.20	0.04	0.00	0.000	0.000
7/31/1993	1.94	0.08	0.04		0.26	0.04	0.00	0.000	0.000
8/31/1993	1.87	0.01	0.01		0.32	0.04	0.00	0.000	0.000
9/30/1993	1.67	0.10	0.06		0.37	0.04	0.00	0.000	0.000
10/31/1993	7.61	1.15	0.15		0.61	0.08	0.00	0.000	0.000
11/30/1993	21.12	1.75	0.08		1.24	0.13	0.00	0.000	0.000
12/31/1993	22.08	7.00	0.32		1.92	0.35	0.00	0.000	0.000
1/31/1994	23.91	6.89	0.29		2.67	0.56	0.00	0.000	0.000
2/28/1994	23.43	6.67	0.28		3.32	0.75	0.00	0.000	0.000
3/31/1994	23.94	7.27	0.30		4.06	0.97	0.00	0.000	0.000
4/30/1994	21.46	6.27	0.29		4.71	1.16	0.00	0.000	0.000
5/31/1994	19.73	6.92	0.35		5.32	1.38	0.00	0.000	0.000
6/30/1994	14.03	3.67	0.26		5.74	1.49	0.00	0.000	0.000
7/31/1994	19.75	6.41	0.32		6.35	1.69	0.00	0.000	0.000
8/31/1994	23.15	5.95	0.26		7.07	1.87	0.00	0.000	0.000
9/30/1994	29.92	6.16	0.21		7.97	2.06	0.00	0.000	0.000
10/31/1994	29.52	6.11	0.21		8.88	2.24	0.00	0.000	0.000
11/30/1994	27.85	5.77	0.21		9.72	2.42	0.00	0.000	0.000
12/31/1994	26.21	5.70	0.22		10.53	2.59	0.00	0.000	0.000
1/31/1995	23.75	5.69	0.24		11.27	2.77	0.00	0.000	0.000
2/28/1995	24.11	5.40	0.22		11.94	2.92	0.00	0.000	0.000
3/31/1995	22.20	4.32	0.19		12.63	3.06	0.00	0.000	0.000
4/30/1995	23.45	4.58	0.20		13.33	3.19	0.00	0.000	0.000
5/31/1995	21.70	6.14	0.28		14.01	3.38	0.00	0.000	0.000
6/30/1995	25.22	6.51	0.26		14.76	3.58	0.00	0.000	0.000
7/31/1995	30.03	6.43	0.21		15.69	3.78	0.00	0.000	0.000
8/31/1995	27.49	5.85	0.21		16.55	3.96	0.00	0.000	0.000
9/30/1995	26.42	5.94	0.22		17.34	4.14	0.00	0.000	0.000
10/31/1995	27.50	4.89	0.18		18.19	4.29	0.00	0.000	0.000
11/30/1995	29.17	5.58	0.19		19.07	4.46	0.00	0.000	0.000
12/31/1995	26.05	5.44	0.21		19.87	4.63	0.00	0.000	0.000
1/31/1996	25.22	4.35	0.17		20.66	4.76	0.00	0.000	0.000
2/29/1996	29.36	5.19	0.18		21.51	4.91	0.00	0.000	0.000
3/31/1996	38.19	6.31	0.17		22.69	5.11	0.00	0.000	0.000
4/30/1996	37.00	5.66	0.15		23.80	5.28	0.00	0.000	0.000
5/31/1996	33.12	6.10	0.18		24.83	5.47	0.00	0.000	0.000
6/30/1996	34.67	6.20	0.18		25.87	5.65	0.00	0.000	0.000
7/31/1996	33.21	6.58	0.20		26.90	5.86	0.00	0.000	0.000
8/31/1996	30.81	6.17	0.20		27.85	6.05	0.00	0.000	0.000
9/30/1996	31.02	5.63	0.18		28.78	6.22	0.00	0.000	0.000
10/31/1996	30.04	5.43	0.18		29.72	6.38	0.00	0.000	0.000
11/30/1996	30.75	5.61	0.18		30.64	6.55	0.00	0.000	0.000
12/31/1996	29.35	5.71	0.19		31.55	6.73	0.00	0.000	0.000
1/31/1997	27.70	5.75	0.21		32.41	6.91	0.00	0.000	0.000
2/28/1997	28.13	3.45	0.12	9.21	33.19	7.00	0.26	0.795	0.016

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 Replacement Ratio
3/31/1997	28.75	4.82	0.17	14.39	34.08	7.15	0.70	1.096	0.041
4/30/1997	30.15	6.18	0.20	23.38	34.99	7.34	1.41	1.569	0.080
5/31/1997	32.02	3.95	0.12	22.50	35.98	7.46	2.10	1.704	0.118
6/30/1997	36.25	4.52	0.12	10.03	37.07	7.60	2.40	0.668	0.131
7/31/1997	36.17	6.22	0.17	22.09	38.19	7.79	3.09	1.324	0.164
8/31/1997	36.22	4.82	0.13	22.24	39.31	7.94	3.78	1.454	0.196
9/30/1997	40.60	8.32	0.20	22.12	40.53	8.19	4.44	1.103	0.223
10/31/1997	41.18	9.75	0.24	23.12	41.81	8.49	5.16	1.067	0.251
11/30/1997	38.79	9.24	0.24	21.60	42.97	8.77	5.81	1.056	0.274
12/31/1997	37.19	8.06	0.22	22.27	44.12	9.02	6.50	1.184	0.298
1/31/1998	35.47	8.41	0.24	22.00	45.22	9.28	7.18	1.178	0.321
2/28/1998	39.30	10.18	0.26	14.90	46.32	9.56	7.60	0.692	0.331
3/31/1998	42.74	7.49	0.18	14.27	47.65	9.80	8.04	0.719	0.341
4/30/1998	38.17	7.29	0.19	23.04	48.79	10.01	8.73	1.257	0.362
5/31/1998	37.48	7.00	0.19	20.79	49.96	10.23	9.37	1.165	0.380
6/30/1998	36.64	6.42	0.18	21.09	51.06	10.42	10.01	1.239	0.397
7/31/1998	38.77	6.44	0.17	22.45	52.26	10.62	10.70	1.272	0.416
8/31/1998	38.29	5.92	0.15	21.58	53.44	10.81	11.37	1.270	0.433
9/30/1998	35.81	5.53	0.15	14.67	54.52	10.97	11.81	0.924	0.442
10/31/1998	33.35	6.09	0.18	18.38	55.55	11.16	12.38	1.168	0.455
11/30/1998	33.13	6.02	0.18	16.55	56.55	11.34	12.88	1.061	0.465
12/31/1998	33.34	5.10	0.15	21.81	57.58	11.50	13.55	1.480	0.481
1/31/1999	32.52	4.94	0.15	20.64	58.59	11.65	14.19	1.440	0.496
2/28/1999	31.82	4.94	0.16	23.10	59.48	11.79	14.84	1.634	0.512
3/31/1999	30.81	5.33	0.17	22.79	60.43	11.96	15.55	1.601	0.528
4/30/1999	30.89	5.92	0.19	22.33	61.36	12.14	16.22	1.503	0.543
5/31/1999	31.00	5.87	0.19	19.52	62.32	12.32	16.82	1.316	0.554
6/30/1999	31.55	5.24	0.17	15.85	63.27	12.47	17.30	1.104	0.562
7/31/1999	30.01	5.76	0.19	19.95	64.20	12.65	17.92	1.382	0.574
8/31/1999	28.71	5.86	0.20	19.07	65.09	12.83	18.51	1.346	0.585
9/30/1999	30.20	6.43	0.21	20.85	65.99	13.03	19.13	1.376	0.596
10/31/1999	35.41	8.67	0.24	12.83	67.09	13.30	19.53	0.678	0.597
11/30/1999	33.62	8.11	0.24	20.06	68.10	13.54	20.13	1.125	0.606
12/31/1999	32.29	7.88	0.24	19.81	69.10	13.78	20.75	1.150	0.614
1/31/2000	31.09	8.58	0.28	19.69	70.07	14.05	21.36	1.121	0.622
2/29/2000	30.03	8.36	0.28	20.84	70.94	14.29	21.96	1.223	0.631
3/31/2000	29.87	7.77	0.26	21.05	71.86	14.53	22.61	1.283	0.640
4/30/2000	28.09	8.99	0.32	21.41	72.70	14.80	23.26	1.251	0.649
5/31/2000	27.26	8.59	0.32	22.02	73.55	15.07	23.94	1.337	0.659
6/30/2000	27.06	9.18	0.34	21.68	74.36	15.34	24.59	1.275	0.667
7/31/2000	27.26	9.61	0.35	21.47	75.21	15.64	25.26	1.227	0.675
8/31/2000	26.68	9.87	0.37	21.55	76.03	15.95	25.92	1.226	0.683
9/30/2000	26.00	9.98	0.38	21.98	76.81	16.25	26.58	1.256	0.691
10/31/2000	25.80	9.57	0.37	21.20	77.61	16.54	27.24	1.245	0.699
11/30/2000	26.86	9.74	0.36	21.49	78.42	16.84	27.89	1.228	0.706
12/31/2000	25.67	10.35	0.40	21.50	79.21	17.16	28.55	1.210	0.713
1/31/2001	25.25	10.11	0.40	21.38	80.00	17.47	29.22	1.228	0.719
2/28/2001	25.50	10.18	0.40	21.32	80.71	17.76	29.81	1.215	0.725

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 Replacement Ratio
3/31/2001	24.57	9.86	0.40	21.53	81.47	18.06	30.48	1.269	0.732
4/30/2001	24.13	9.42	0.39	21.31	82.20	18.34	31.12	1.299	0.739
5/31/2001	24.16	10.22	0.42	21.47	82.95	18.66	31.78	1.248	0.745
6/30/2001	23.99	9.83	0.41	21.36	83.67	18.96	32.42	1.274	0.751
7/31/2001	23.17	9.37	0.40	20.19	84.38	19.25	33.05	1.256	0.757
8/31/2001	23.22	9.75	0.42	19.52	85.10	19.55	33.66	1.186	0.762
9/30/2001	23.09	8.85	0.38	21.95	85.80	19.81	34.31	1.414	0.769
10/31/2001	22.77	9.81	0.43	21.44	86.50	20.12	34.98	1.308	0.775
11/30/2001	22.00	9.42	0.43	21.07	87.16	20.40	35.61	1.335	0.781
12/31/2001	22.08	9.66	0.44	21.21	87.85	20.70	36.27	1.322	0.787
1/31/2002	21.34	9.82	0.46	21.22	88.51	21.00	36.93	1.327	0.792
2/28/2002	21.40	9.56	0.45	20.41	89.11	21.27	37.50	1.296	0.797
3/31/2002	21.63	9.85	0.46	21.33	89.78	21.58	38.16	1.324	0.803
4/30/2002	21.38	9.58	0.45	21.53	90.42	21.86	38.80	1.365	0.808
5/31/2002	20.96	9.85	0.47	21.45	91.07	22.17	39.47	1.348	0.814
6/30/2002	20.80	9.90	0.48	20.60	91.69	22.47	40.09	1.294	0.818
7/31/2002	20.19	9.45	0.47	19.88	92.32	22.76	40.70	1.301	0.823
8/31/2002	20.50	8.92	0.43	20.58	92.95	23.04	41.34	1.386	0.828
9/30/2002	19.07	10.56	0.55	18.14	93.53	23.35	41.89	1.129	0.831
10/31/2002	19.67	11.45	0.58	21.87	94.14	23.71	42.56	1.276	0.836
11/30/2002	20.00	10.20	0.51	21.74	94.74	24.01	43.22	1.360	0.841
12/31/2002	19.74	10.55	0.53	20.54	95.35	24.34	43.85	1.263	0.845
1/31/2003	19.03	10.76	0.57	20.16	95.94	24.67	44.48	1.239	0.848
2/28/2003	19.84	11.20	0.56	18.73	96.49	24.99	45.00	1.105	0.851
3/31/2003	18.52	11.70	0.63	16.71	97.07	25.35	45.52	0.980	0.852
4/30/2003	18.18	11.35	0.62	18.79	97.61	25.69	46.08	1.131	0.855
5/31/2003	18.07	11.95	0.66	19.29	98.17	26.06	46.68	1.123	0.857
6/30/2003	17.48	13.00	0.74	19.10	98.70	26.45	47.25	1.058	0.859
7/31/2003	18.11	13.25	0.73	18.75	99.26	26.86	47.84	1.014	0.861
8/31/2003	17.61	12.43	0.71	19.51	99.80	27.25	48.44	1.113	0.863
9/30/2003	17.40	10.61	0.61	19.10	100.33	27.57	49.01	1.222	0.866
10/31/2003	17.47	10.93	0.63	19.70	100.87	27.91	49.62	1.233	0.869
11/30/2003	17.91	10.74	0.60	19.71	101.41	28.23	50.22	1.238	0.872
12/31/2003	17.31	10.80	0.62	19.51	101.94	28.56	50.82	1.234	0.876
1/31/2004	16.51	10.67	0.65	18.85	102.45	28.89	51.40	1.220	0.878
2/29/2004	16.94	10.76	0.63	18.28	102.95	29.20	51.93	1.167	0.881
3/31/2004	17.14	10.65	0.62	21.08	103.48	29.53	52.59	1.351	0.884
4/30/2004	16.24	10.67	0.66	21.06	103.96	29.85	53.22	1.371	0.888
5/31/2004	14.29	12.04	0.84	20.55	104.41	30.23	53.86	1.271	0.891
6/30/2004	15.94	13.27	0.83	20.00	104.88	30.63	54.46	1.119	0.893
7/31/2004	15.43	12.84	0.83	19.33	105.36	31.02	55.06	1.117	0.895
8/31/2004	16.58	13.09	0.79	16.79	105.88	31.43	55.58	0.939	0.896
9/30/2004	16.66	12.61	0.76	9.00	106.38	31.81	55.85	0.517	0.892
10/31/2004	16.01	13.61	0.85	11.38	106.87	32.23	56.20	0.624	0.890
11/30/2004	15.71	13.11	0.83	20.29	107.34	32.62	56.81	1.149	0.892
12/31/2004	15.15	13.55	0.89	21.13	107.81	33.04	57.46	1.178	0.895
1/31/2005	15.09	13.09	0.87	22.91	108.28	33.45	58.17	1.313	0.898
2/28/2005	15.89	13.00	0.82	22.59	108.73	33.81	58.81	1.284	0.901

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 Replacement Ratio
3/31/2005	14.84	12.15	0.82	21.14	109.19	34.19	59.46	1.285	0.904
4/30/2005	14.49	12.35	0.85	22.05	109.62	34.56	60.12	1.333	0.907
5/31/2005	13.40	11.95	0.89	16.92	110.04	34.93	60.65	1.069	0.908
6/30/2005	13.35	12.40	0.93	20.64	110.44	35.30	61.27	1.269	0.911
7/31/2005	13.38	11.77	0.88	20.08	110.85	35.67	61.89	1.284	0.914
8/31/2005	12.80	10.15	0.79	20.26	111.25	35.98	62.52	1.463	0.917
9/30/2005	14.69	10.08	0.69	18.92	111.69	36.29	63.09	1.321	0.920
10/31/2005	14.35	9.98	0.70	17.46	112.14	36.59	63.63	1.236	0.922
11/30/2005	14.92	10.02	0.67	19.12	112.58	36.90	64.20	1.334	0.924
12/31/2005	16.26	10.00	0.62	18.53	113.09	37.21	64.77	1.260	0.927
1/31/2006	17.72	10.80	0.61	19.65	113.64	37.54	65.38	1.234	0.929
2/28/2006	17.28	10.65	0.62	18.74	114.12	37.84	65.91	1.198	0.930
3/31/2006	15.69	9.94	0.63	19.84	114.61	38.15	66.52	1.370	0.933
4/30/2006	16.11	10.16	0.63	13.54	115.09	38.45	66.93	0.914	0.933
5/31/2006	15.62	9.52	0.61	16.42	115.57	38.75	67.44	1.170	0.934
6/30/2006	15.75	10.09	0.64	16.48	116.05	39.05	67.93	1.125	0.936
7/31/2006	15.25	9.99	0.66	18.02	116.52	39.36	68.49	1.251	0.937
8/31/2006	14.99	10.07	0.67	19.30	116.98	39.67	69.09	1.340	0.940
9/30/2006	15.43	10.13	0.66	17.26	117.45	39.98	69.61	1.183	0.941
10/31/2006	14.78	10.15	0.69	18.55	117.90	40.29	70.18	1.286	0.943
11/30/2006	14.52	10.19	0.70	18.74	118.34	40.60	70.74	1.302	0.946
12/31/2006	14.01	10.08	0.72	18.55	118.77	40.91	71.32	1.313	0.948
1/31/2007	14.05	9.90	0.70	18.39	119.21	41.21	71.89	1.317	0.950
2/28/2007	14.00	9.45	0.68	18.97	119.60	41.48	72.42	1.405	0.952
3/31/2007	13.86	9.48	0.68	18.71	120.03	41.77	73.00	1.387	0.954
4/30/2007	13.67	9.81	0.72	19.77	120.44	42.07	73.59	1.436	0.957
5/31/2007	13.57	9.80	0.72	20.37	120.86	42.37	74.23	1.484	0.960
6/30/2007	13.14	9.66	0.74	20.16	121.26	42.66	74.83	1.498	0.963
7/31/2007	12.88	9.65	0.75	20.36	121.66	42.96	75.46	1.522	0.966
8/31/2007	12.91	9.43	0.73	19.70	122.06	43.25	76.07	1.497	0.968
9/30/2007	12.62	9.14	0.72	19.94	122.43	43.53	76.67	1.559	0.971
10/31/2007	12.91	9.47	0.73	16.77	122.83	43.82	77.19	1.270	0.973
11/30/2007	12.96	9.35	0.72	17.64	123.22	44.10	77.72	1.347	0.975
12/31/2007	12.55	9.09	0.72	17.00	123.61	44.38	78.25	1.336	0.976
1/31/2008	12.78	8.95	0.70	16.58	124.01	44.66	78.76	1.311	0.978
2/29/2008	11.20	8.43	0.75	16.90	124.33	44.90	79.25	1.449	0.980
3/31/2008	10.88	8.90	0.82	16.58	124.67	45.18	79.76	1.377	0.982
4/30/2008	12.17	9.36	0.77	16.46	125.04	45.46	80.26	1.278	0.983
5/31/2008	11.94	8.79	0.74	16.54	125.41	45.73	80.77	1.350	0.985
6/30/2008	11.24	8.52	0.76	15.11	125.74	45.99	81.22	1.284	0.986
7/31/2008	11.42	9.52	0.83	16.22	126.10	46.28	81.73	1.265	0.988
8/31/2008	11.49	10.03	0.87	15.09	126.45	46.60	82.20	1.130	0.988
9/30/2008	12.43	10.87	0.87	15.49	126.83	46.92	82.66	1.070	0.989
10/31/2008	11.31	10.45	0.92	15.83	127.18	47.25	83.15	1.153	0.990
11/30/2008	14.93	14.73	0.99	15.64	127.63	47.69	83.62	0.821	0.988
12/31/2008	14.69	11.46	0.78	13.82	128.08	48.04	84.05	0.879	0.988
1/31/2009	14.28	10.76	0.75	16.35	128.52	48.38	84.55	1.098	0.988
2/28/2009	13.74	10.41	0.76	14.55	128.91	48.67	84.96	1.012	0.989

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 Replacement Ratio
3/31/2009	12.98	10.34	0.80	14.93	129.31	48.99	85.42	1.059	0.989
4/30/2009	12.83	9.81	0.76	13.36	129.70	49.28	85.83	0.988	0.989
5/31/2009	12.81	10.37	0.81	16.39	130.09	49.60	86.33	1.165	0.990
6/30/2009	12.31	10.88	0.88	15.85	130.46	49.93	86.81	1.098	0.990
7/31/2009	12.57	11.05	0.88	16.14	130.85	50.27	87.31	1.099	0.991
8/31/2009	12.19	10.35	0.85	15.55	131.23	50.59	87.79	1.120	0.991
9/30/2009	12.15	10.70	0.88	15.75	131.59	50.92	88.26	1.108	0.992
10/31/2009	11.89	10.49	0.88	14.74	131.96	51.24	88.72	1.058	0.992
11/30/2009	11.70	9.83	0.84	13.46	132.31	51.54	89.12	1.019	0.992
12/31/2009	12.37	9.74	0.79	12.88	132.70	51.84	89.52	0.967	0.992
1/31/2010	12.05	9.97	0.83	15.67	133.07	52.15	90.01	1.164	0.993
2/28/2010	12.25	10.33	0.84	17.90	133.41	52.44	90.51	1.290	0.994
3/31/2010	13.32	7.14	0.54	17.76	133.83	52.66	91.06	1.616	0.997
4/30/2010	11.98	6.66	0.56	16.50	134.19	52.86	91.56	1.630	0.999
5/31/2010	10.66	6.54	0.61	15.59	134.52	53.06	92.04	1.620	1.001
6/30/2010	11.18	11.68	1.05	7.88	134.85	53.41	92.28	0.528	0.999
7/31/2010	11.96	12.05	1.01	15.11	135.22	53.78	92.74	0.974	0.998
8/31/2010	12.00	10.45	0.87	14.25	135.59	54.11	93.19	1.024	0.999
9/30/2010	10.92	10.63	0.97	17.58	135.92	54.43	93.71	1.274	1.000
10/31/2010	9.49	9.68	1.02	13.31	136.22	54.73	94.13	1.071	1.000
11/30/2010	10.28	10.19	0.99	16.88	136.52	55.03	94.63	1.282	1.001
12/31/2010	9.33	11.30	1.21	16.67	136.81	55.38	95.15	1.191	1.002