

**SOURIS HARTNEY UNIT NO. 1
WATERFLOOD EOR PROJECT

ANNUAL REPORT FOR 2014**

April 28, 2015

Tundra Oil and Gas Partnership

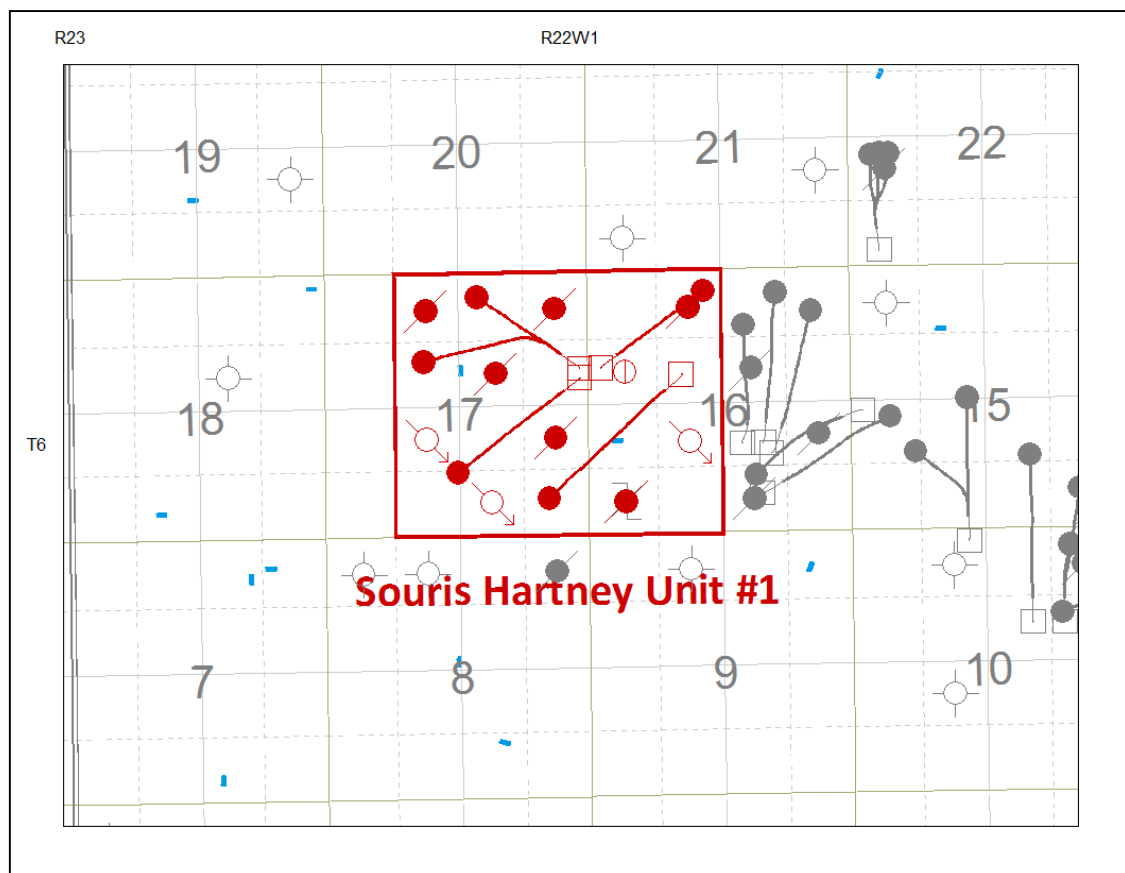
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INTRODUCTION

Souris Hartney Unit No. 1 Enhanced Oil Recovery (EOR) Waterflood Project was approved under Waterflood Order No. 9 effective November 1, 1999 with Tundra Oil and Gas (Tundra) as Operator. The EOR project area contains 15 wells in 20 LSDs in Township 6, Range 22 W1 as shown in the figure below. Well list and well status is available in Appendix A.

Figure 1: Souris Hartney Unit No. 1 Area Outline



In accordance with Section 73 of the Manitoba Drilling and Production Regulation, Tundra hereby submits the 2014 Annual Progress Report for Souris Hartney Unit No. 1 as required by Waterflood Order No. 9.

DISCUSSION

Production History

For the wells included in Souris Hartney Unit No.1, production started November 1962 with the 00/08-17-006-22W1/0 well. Oil production peaked at 32.47 m³/d in February 1964. The Unit was producing 2.03 m³/d of oil and 81.8 m³/d of water in December 2014.

The oil production rate, injection rate, and WOR during each month for each injection pattern and for whole project are presented in Appendix D. Figure 2 shows the rates and WOR for Souris Hartney Unit No. 1.

Figure 2: Souris Hartney Unit No. 1 Production/Injection Rates and WOR vs. Time

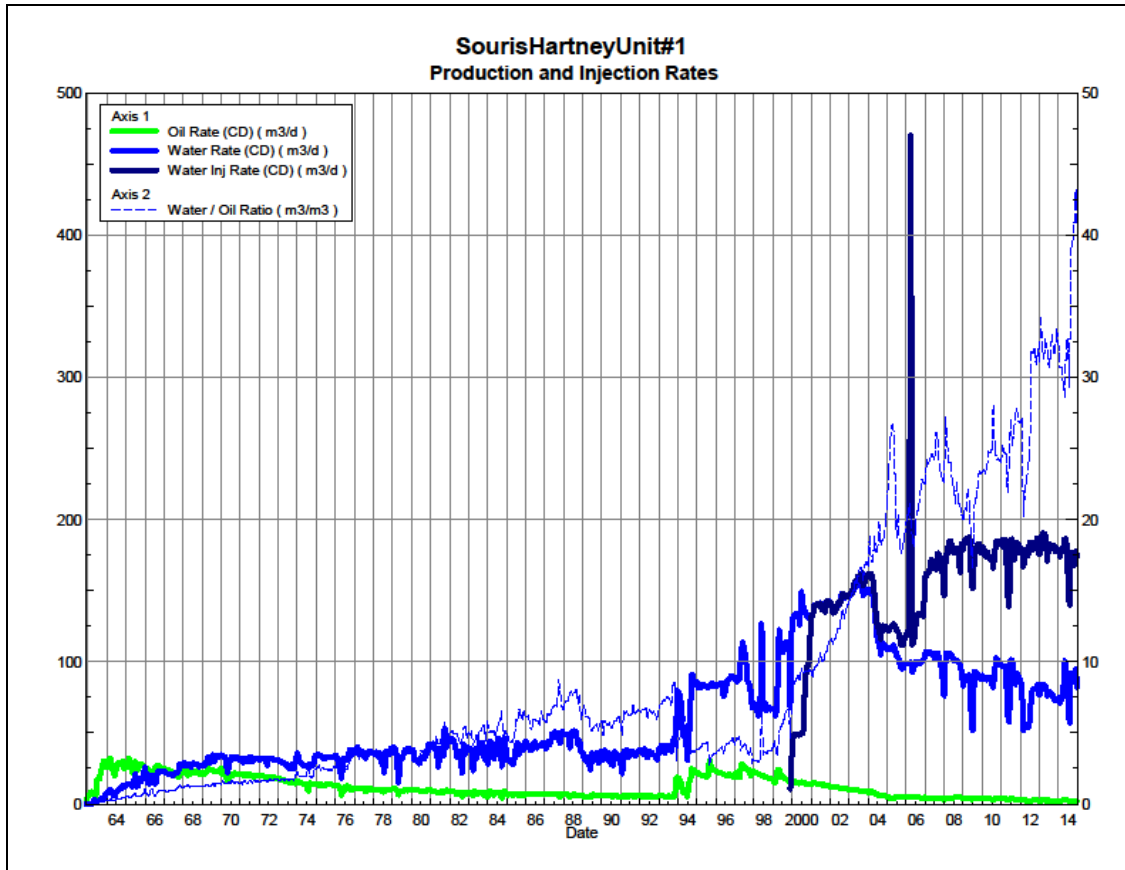
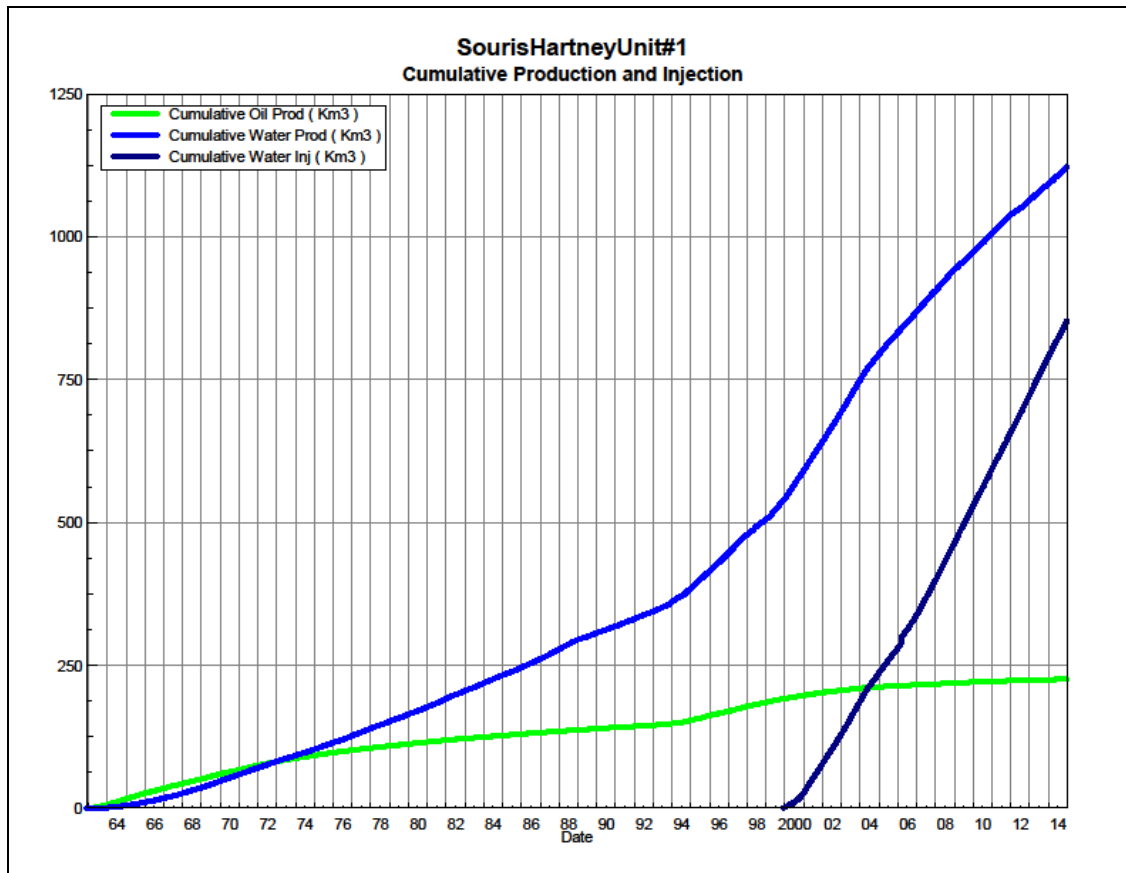


Figure 3 shows the cumulative production for Souris Hartney Unit No. 1 to the end of December 2014. Cumulative production of oil was 225.8 e³m³ and for water was 1123.3 e³m³. The cumulative water injected was 852.9 e³m³. The cumulative volume of oil, and water produced and fluid injected for each injection pattern and for the whole project for each injection well is presented in Appendix D.

Figure 3: Souris Hartney Unit No. 1 Cumulative Oil, Water and Injection vs. Time



Waterflood History

As of December 2014, the Souris Hartney Unit No.1 has 3 active vertical injectors and 3 injector patterns in place. Water injection started in November 1999. An overall summary for each injector pattern is presented in Appendix C.

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

There is no source water well in Souris Hartney Unit No. 1. Injected fluid consists of water production from the Lodgepole formation, from the unit and surrounding area, filtered to 25 microns prior to re-injection.

Injection Wellhead Pressures

The injector's 00/02-17-006-22W1, 00/06-16-006-22W1 and 00/06-17-006-22W1 wellhead pressure is available from October 2002. The monthly wellhead injection pressures for each injection well are summarized in Appendix B.

Reservoir Pressure

No reservoir pressure measurements were taken at Souris Hartney Unit No. 1 in 2014.

Well Servicing

Table 1 lists the maintenance that was required in Souris Hartney Unit No. 1 in 2014.

Table 1: Service and Maintenance in Souris Hartney Unit No. 1

00/01-17-006-22W1/0	Pump Change	04/02/2014
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Voidage Replacement

Cumulative voidage for the Souris Hartney Unit No. 1 was 0.627 in December 2014. This is reasonable considering that the wells within the unit had been producing for almost forty years, prior to the start of injection. As of 2003, monthly voidage was greater than 1 and has gradually increased since then averaging 2.54, 2.26 and 2.04 in 2012, 2013 and 2014, respectively. Souris Hartney Unit No. 1 is on track to achieving a cumulative VRR of 1. Calculation, plots and tables of the Voidage Replacement Ratio on a monthly and cumulative basis for each injection pattern are presented in Appendix D.

List of Appendices

Appendix A: Well Name and Well Status

Appendix B: Monthly Injection Wellhead Pressures Table and Plots

Appendix C: Souris Hartney Unit No.1 Injection Pattern Summary

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

Plots and Tables for the following injectors:

00/06-16-006-22W1/0

00/02-17-006-22W1/0

00/06-17-006-22W1/0

Appendix A

UWI	Surface Location	Well Status
00/04-16-006-22W1/0		ABD Producer
00/06-16-006-22W1/0		WTR Injector
00/12-16-006-22W1/0		Resumed COOP
00/14-16-006-22W1/0		ABD Producer
02/14-16-006-22W1/0	12-16-006-22W1	Capable of Oil Production
00/01-17-006-22W1/0	11-16-006-22W1	Capable of Oil Production
00/02-17-006-22W1/0		WTR Injector
00/03-17-006-22W1/0	09-17-006-22W1	Capable of Oil Production
00/06-17-006-22W1/0		WTR Injector
00/08-17-006-22W1/0		ABD Producer
00/10-17-006-22W1/0		ABD Producer
00/11-17-006-22W1/2	09-17-006-22W1	Capable of Oil Production
00/14-17-006-22W1/0		ABD Producer
00/15-17-006-22W1/0	09-17-006-22W1	Capable of Oil Production
00/16-17-006-22W1/0		ABD Producer

Appendix B

Average Monthly Injection Pressure (kPag)

Injection Pressure					Injection Pressure			
Month	100/06-16	100/02-17	100/06-17		Month	100/06-16	100/02-17	100/06-17
					Jan-06	4400	7555	7548
					Feb-06	4400	7657	7636
					Mar-06	4471	7510	7510
					Apr-06	4400	7553	7542
					May-06	4400	7740	7656
					Jun-06	5120	7789	7707
					Jul-06	5252	7824	7776
					Aug-06	5424	7574	7542
					Sep-06	5637	7401	7353
Oct-02	4137	0	7205		Oct-06	5381	7571	7520
Nov-02	276	0	858		Nov-06	5400	7640	7615
Dec-02	133	0	445		Dec-06	5400	7638	7648
Jan-03	3423	0	4927		Jan-07	5400	7575	7600
Feb-03	3149	7316	3761		Feb-07	5400	7522	7491
Mar-03	4275	7195	3701		Mar-07	5400	7505	7422
Apr-03	3978	6897	3550		Apr-07	5400	7626	7616
May-03	3981	7086	3722		May-07	5400	7490	7452
Jun-03	4284	6936	3662		Jun-07	5400	7592	7442
Jul-03	4562	6968	3627		Jul-07	5590	7710	7656
Aug-03	5884	7435	5034		Aug-07	5884	7657	7619
Sep-03	5132	7396	3881		Sep-07	6007	7822	7855
Oct-03	4729	7502	3913		Oct-07	6016	7618	7514
Nov-03	5033	7534	3948		Nov-07	5900	7780	7785
Dec-03	5224	7480	5098		Dec-07	5484	7460	7470
Jan-04	5240	7516	7929		Jan-08	5700	7829	7889
Feb-04	5240	7516	7929		Feb-08	5700	7772	7765
Mar-04	5240	7516	7929		Mar-08	5700	7777	7781
Apr-04	5240	7522	7958		Apr-08	5700	7824	7845
May-04	5129	7378	7844		May-08	5729	7865	7849
Jun-04	5200	7770	8205		Jun-08	5760	7913	7882
Jul-04	5200	7513	7958		Jul-08	5477	7942	7935
Aug-04	4558	7571	7953		Aug-08	5519	7911	7890
Sep-04	5073	8190	8590		Sep-08	5900	7977	7983
Oct-04	4919	8150	8563		Oct-08	6000	7664	7667
Nov-04	4843	7975	8296		Nov-08	6000	7877	7919
Dec-04	4784	7992	8060		Dec-08	6000	7435	7402
Jan-05	4632	7916	8061		Jan-09	6000	7681	7679
Feb-05	4521	7800	8012		Feb-09	6000	7800	7800
Mar-05	4400	7742	7904		Mar-09	6000	7800	7800
Apr-05	4400	7433	7930		Apr-09	6000	7800	7800
May-05	4400	7969	7985		May-09	6000	7800	7800
Jun-05	4400	7806	7852		Jun-09	6000	7800	7800
Jul-05	4400	7858	7869		Jul-09	6000	7800	7800
Aug-05	4400	7803	7702		Aug-09	6000	7800	7800
Sep-05	4473	7600	7510		Sep-09	6000	7800	7800
Oct-05	4413	7598	7534		Oct-09	6000	7800	7800
Nov-05	4400	7760	7757		Nov-09	6000	7800	7800
Dec-05	4400	7687	7687		Dec-09	6000	7800	7800
					Jan-10	6000	7800	7800
					Feb-10	6000	7800	7800
					Mar-10	6000	7800	7800
					Apr-10	6000	7800	7800
					May-10	6000	7800	7800
					Jun-10	6000	7800	7800
					Jul-10	6000	7800	7800
					Aug-10	6000	7800	7800
					Sep-10	6000	7800	7800
					Oct-10	6000	7800	7800
					Nov-10	6000	7800	7800
					Dec-10	6000	7800	7800
					Jan-11	5826	7645	7645
					Feb-11	5700	7759	7759
					Mar-11	5700	7750	7750
					Apr-11	5700	7223	7223
					May-11	5516	6561	6561
					Jun-11	5780	7298	7298
					Jul-11	5800	7741	7741
					Aug-11	5800	7769	7769
					Sep-11	5800	7800	7800
					Oct-11	5748	7800	7800
					Nov-11	5700	7800	7800
					Dec-11	5700	7800	7800
					Jan-12	5700	7800	7800
					Feb-12	5700	7800	7800
					Mar-12	5700	7800	7800
					Apr-12	5700	7800	7800
					May-12	5700	7800	7800
					Jun-12	5700	7800	7800
					Jul-12	5700	7800	7800
					Aug-12	5700	7800	7800
					Sep-12	5650	7670	7740
					Oct-12	5200	7800	7800
					Nov-12	5200	7627	7627
					Dec-12	4916	7523	7523
					Jan-13	4806	7394	7394
					Feb-13	4900	7236	7236
					Mar-13	4945	7139	7139
					Apr-13	5013	7080	7080
					May-13	4806	6810	6761
					Jun-13	5290	6640	6390
					Jul-13	4523	7465	7121
					Aug-13	4355	7558	7258
					Sep-13	4250	7663	7363
					Oct-13	3932	7115	6906
					Nov-13	3655	7222	6990
					Dec-13	3748	7127	6895
					Jan-14	3760	7079	6709
					Feb-14	3555	7014	6706
					Mar-14	3565	7119	6847
					Apr-14	3825	7138	6933
					May-14	3913	6952	6667
					Jun-14	4027	6560	7005
					Jul-14	4084	5245	6510
					Aug-14	3800	6494	6716
					Sep-14	3800	7140	6822
					Oct-14	3800	7148	6959
					Nov-14	3800	7040	6847
					Dec-14	3800	7129	6819

Appendix C

Souris Hartney Unit #1 Pattern Summary as of December 2014

Pattern Name	Injector Location (006-22W1)	Status	No. of Supported Wells	Supported Wells (006-22W1)	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
00/06-16-006-22W1 Injector	00/06-16	WTR Injection	5	01-17 HZ (Surf 12-16) 04-16, 12-16, 14-16, 02/14-16 HZ (Surf 11-16)	0.5 1.0	Jan 1963	Aug 2000	1.5	22.8	15.61	94.5	66.1	206.3	425.8	3.9	1.54
00/02-17-006-22W1 Injector	00/02-17	WTR Injection	3	01-17 HZ (Surf 12-16), 03-17 HZ (Surf 09-17) 08-17	0.5 1.0	Sep 1963	Nov 2000	0.3	26.1	89.41	28.3	76.2	320.2	219.2	1.1	0.55
00/06-17-006-22W1 Injector	00/06-17	WTR Injection	6	03-17 HZ (Surf 09-17) 10-17, 11-17 HZ (Surf 09-17), 14-17, 15-17 HZ (Surf 09-17), 16-17	0.5 1.0	Apr 1963	Nov 1999	0.3	32.9	119.99	51.3	83.5	596.8	207.8	1.5	0.30

Appendix D
Rates and VRR
Plots and Tables

Oil Formation Vol Factor : 1.03000 m3/m3

Water Formation Vol Factor : 1.00000 m3/m3

Water / Oil Ratio : 15.61 m3/m3

Pattern: 06-16-006-22 Set: SourisHartneyUnit#1

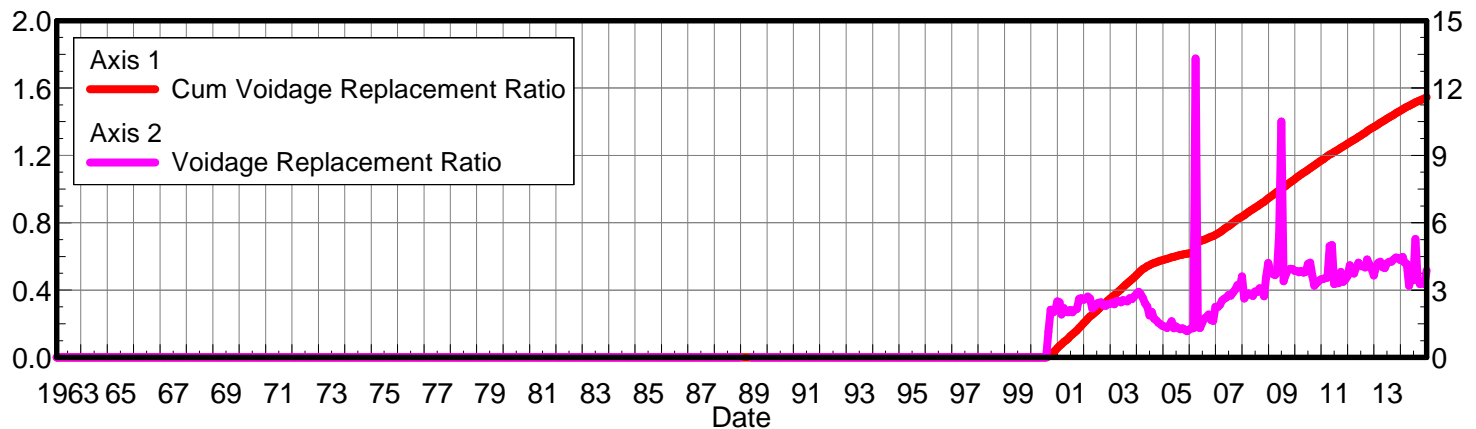
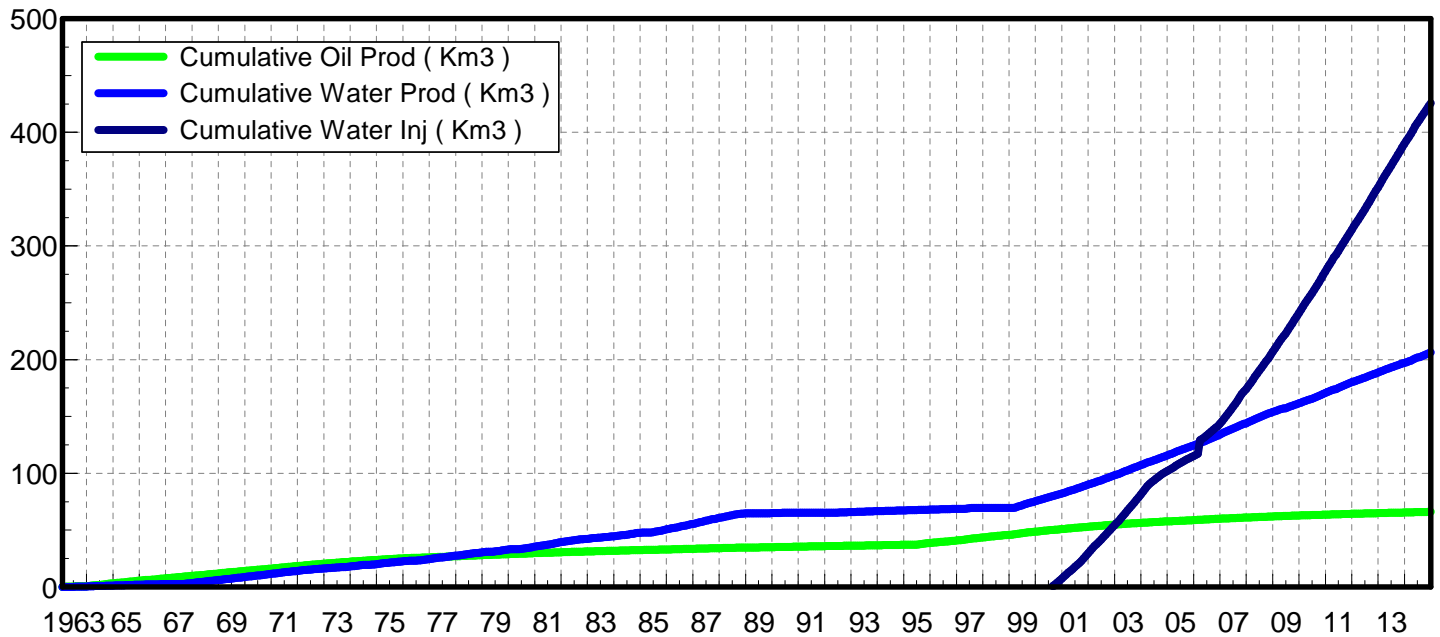
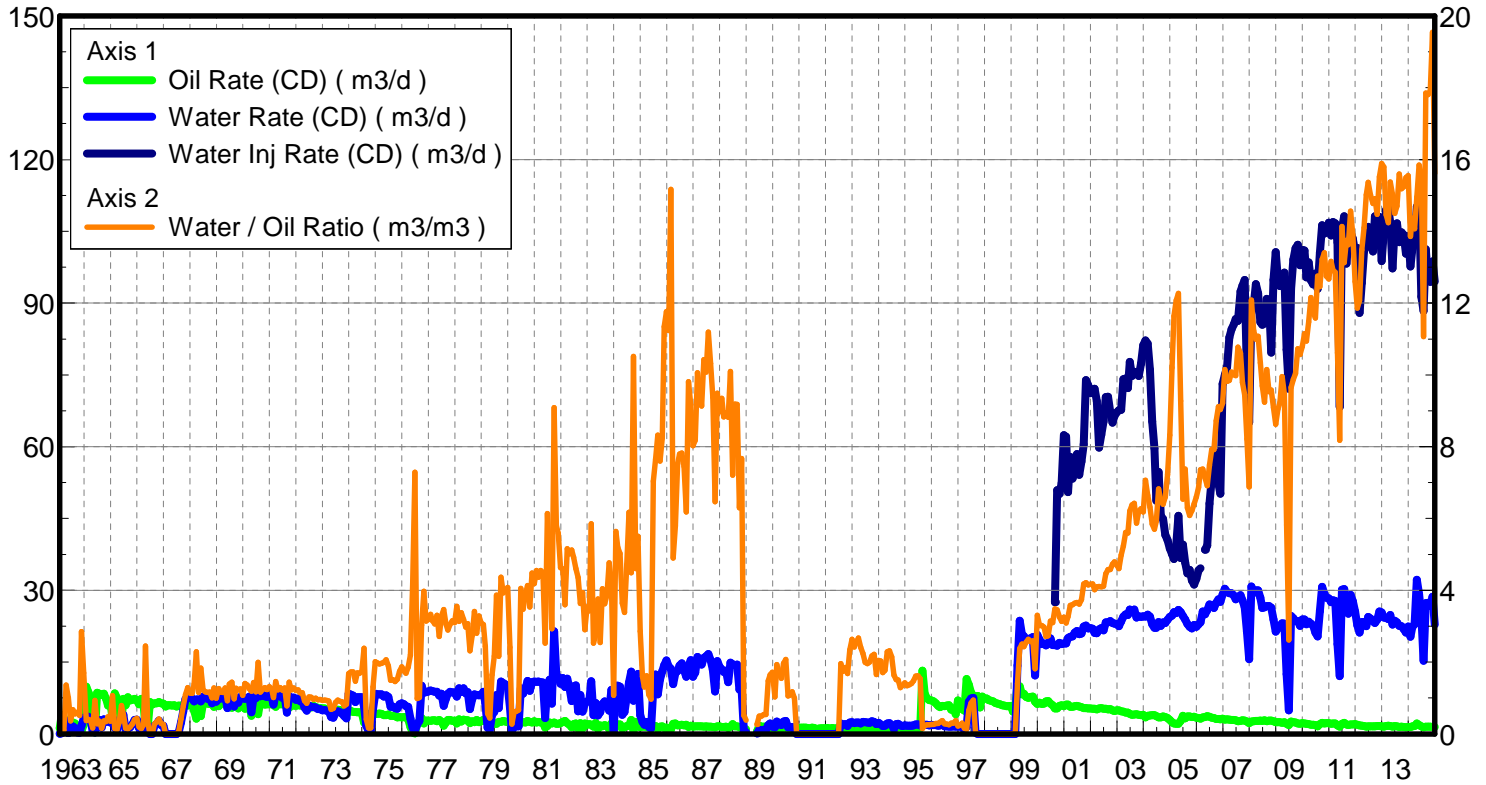
April 28, 2015

Operator: <Ambiguous>

Oil Rate (CD) : 1.46 m3/d

Water Rate (CD) : 22.84 m3/d

Water Inj Rate (CD) : 94.52 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
1/31/1963	1.18	0.01	0.01		0.04	0.00	0.00	0.000	0.000
2/28/1963	3.93	0.15	0.04		0.15	0.00	0.00	0.000	0.000
3/31/1963	3.37	0.35	0.10		0.25	0.02	0.00	0.000	0.000
4/30/1963	2.01	2.73	1.36		0.31	0.10	0.00	0.000	0.000
5/31/1963	0.20	0.20	1.00		0.32	0.10	0.00	0.000	0.000
6/30/1963	2.54	0.93	0.37		0.39	0.13	0.00	0.000	0.000
7/31/1963	2.38	1.60	0.67		0.47	0.18	0.00	0.000	0.000
8/31/1963	2.15	1.19	0.55		0.53	0.22	0.00	0.000	0.000
9/30/1963	0.48	0.29	0.60		0.55	0.23	0.00	0.000	0.000
10/31/1963	0.47	0.24	0.51		0.56	0.23	0.00	0.000	0.000
11/30/1963	0.59	1.69	2.85		0.58	0.28	0.00	0.000	0.000
12/31/1963	1.88	3.20	1.70		0.64	0.38	0.00	0.000	0.000
1/31/1964	9.86	3.69	0.37		0.94	0.50	0.00	0.000	0.000
2/29/1964	8.80	3.57	0.41		1.20	0.60	0.00	0.000	0.000
3/31/1964	7.83	2.97	0.38		1.44	0.69	0.00	0.000	0.000
4/30/1964	3.13	0.51	0.16		1.54	0.71	0.00	0.000	0.000
5/31/1964	0.33	0.31	0.93		1.55	0.72	0.00	0.000	0.000
6/30/1964	8.62	2.45	0.28		1.81	0.79	0.00	0.000	0.000
7/31/1964	8.41	2.94	0.35		2.07	0.88	0.00	0.000	0.000
8/31/1964	8.10	1.30	0.16		2.32	0.92	0.00	0.000	0.000
9/30/1964	8.42	3.05	0.36		2.57	1.02	0.00	0.000	0.000
10/31/1964	7.36	2.54	0.34		2.80	1.09	0.00	0.000	0.000
11/30/1964	5.90	2.81	0.48		2.97	1.18	0.00	0.000	0.000
12/31/1964	6.81	2.38	0.35		3.19	1.25	0.00	0.000	0.000
1/31/1965	3.20	3.40	1.06		3.29	1.36	0.00	0.000	0.000
2/28/1965	8.48	1.26	0.15		3.52	1.39	0.00	0.000	0.000
3/31/1965	7.53	0.89	0.12		3.76	1.42	0.00	0.000	0.000
4/30/1965	6.06	1.98	0.33		3.94	1.48	0.00	0.000	0.000
5/31/1965	2.64	2.09	0.79		4.02	1.54	0.00	0.000	0.000
6/30/1965	7.34	3.99	0.54		4.24	1.66	0.00	0.000	0.000
7/31/1965	6.02	0.92	0.15		4.43	1.69	0.00	0.000	0.000
8/31/1965	7.69	1.10	0.14		4.67	1.73	0.00	0.000	0.000
9/30/1965	7.02	1.37	0.19		4.88	1.77	0.00	0.000	0.000
10/31/1965	7.14	1.97	0.28		5.10	1.83	0.00	0.000	0.000
11/30/1965	7.32	2.93	0.40		5.32	1.92	0.00	0.000	0.000
12/31/1965	6.96	3.01	0.43		5.53	2.01	0.00	0.000	0.000
1/31/1966	6.19	1.16	0.19		5.72	2.05	0.00	0.000	0.000
2/28/1966	7.34	1.07	0.15		5.93	2.08	0.00	0.000	0.000
3/31/1966	6.20	1.58	0.26		6.12	2.13	0.00	0.000	0.000
4/30/1966	1.28	3.13	2.45		6.16	2.22	0.00	0.000	0.000
5/31/1966	1.35	0.44	0.32		6.20	2.23	0.00	0.000	0.000
6/30/1966	6.64	0.00	0.00		6.40	2.23	0.00	0.000	0.000
7/31/1966	6.11	0.00	0.00		6.59	2.23	0.00	0.000	0.000
8/31/1966	6.40	1.72	0.27		6.79	2.29	0.00	0.000	0.000
9/30/1966	6.36	2.14	0.34		6.98	2.35	0.00	0.000	0.000
10/31/1966	6.65	2.76	0.42		7.19	2.44	0.00	0.000	0.000
11/30/1966	6.40	1.83	0.29		7.38	2.49	0.00	0.000	0.000
12/31/1966	6.34	1.69	0.27		7.57	2.54	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
1/31/1967	5.72	0.00	0.00		7.75	2.54	0.00	0.000	0.000
2/28/1967	5.97	0.00	0.00		7.92	2.54	0.00	0.000	0.000
3/31/1967	6.01	0.00	0.00		8.11	2.54	0.00	0.000	0.000
4/30/1967	5.92	0.00	0.00		8.28	2.54	0.00	0.000	0.000
5/31/1967	6.00	0.00	0.00		8.47	2.54	0.00	0.000	0.000
6/30/1967	5.75	0.00	0.00		8.64	2.54	0.00	0.000	0.000
7/31/1967	5.94	0.41	0.07		8.83	2.56	0.00	0.000	0.000
8/31/1967	5.78	2.41	0.42		9.00	2.63	0.00	0.000	0.000
9/30/1967	6.15	4.72	0.77		9.19	2.77	0.00	0.000	0.000
10/31/1967	6.63	7.25	1.09		9.39	3.00	0.00	0.000	0.000
11/30/1967	5.94	7.63	1.29		9.57	3.23	0.00	0.000	0.000
12/31/1967	7.04	8.04	1.14		9.79	3.47	0.00	0.000	0.000
1/31/1968	6.51	7.35	1.13		9.99	3.70	0.00	0.000	0.000
2/29/1968	4.88	6.78	1.39		10.13	3.90	0.00	0.000	0.000
3/31/1968	3.15	7.21	2.29		10.23	4.12	0.00	0.000	0.000
4/30/1968	6.24	7.20	1.15		10.42	4.34	0.00	0.000	0.000
5/31/1968	3.73	6.82	1.83		10.53	4.55	0.00	0.000	0.000
6/30/1968	6.38	7.80	1.22		10.73	4.78	0.00	0.000	0.000
7/31/1968	6.45	7.56	1.17		10.93	5.02	0.00	0.000	0.000
8/31/1968	6.33	7.29	1.15		11.12	5.24	0.00	0.000	0.000
9/30/1968	6.28	7.30	1.16		11.31	5.46	0.00	0.000	0.000
10/31/1968	6.36	6.39	1.00		11.51	5.66	0.00	0.000	0.000
11/30/1968	5.67	7.26	1.28		11.68	5.88	0.00	0.000	0.000
12/31/1968	6.77	6.73	0.99		11.89	6.09	0.00	0.000	0.000
1/31/1969	5.82	7.34	1.26		12.07	6.32	0.00	0.000	0.000
2/28/1969	6.36	7.43	1.17		12.25	6.52	0.00	0.000	0.000
3/31/1969	6.42	7.43	1.16		12.44	6.75	0.00	0.000	0.000
4/30/1969	6.30	8.06	1.28		12.63	7.00	0.00	0.000	0.000
5/31/1969	5.88	5.42	0.92		12.82	7.16	0.00	0.000	0.000
6/30/1969	5.92	8.22	1.39		12.99	7.41	0.00	0.000	0.000
7/31/1969	5.46	7.85	1.44		13.16	7.65	0.00	0.000	0.000
8/31/1969	5.87	5.75	0.98		13.35	7.83	0.00	0.000	0.000
9/30/1969	5.91	7.51	1.27		13.52	8.06	0.00	0.000	0.000
10/31/1969	5.30	6.51	1.23		13.69	8.26	0.00	0.000	0.000
11/30/1969	6.19	7.73	1.25		13.87	8.49	0.00	0.000	0.000
12/31/1969	6.94	7.47	1.08		14.09	8.72	0.00	0.000	0.000
1/31/1970	5.23	7.35	1.40		14.25	8.95	0.00	0.000	0.000
2/28/1970	5.53	7.51	1.36		14.40	9.16	0.00	0.000	0.000
3/31/1970	6.18	7.76	1.26		14.60	9.40	0.00	0.000	0.000
4/30/1970	3.79	4.51	1.19		14.71	9.54	0.00	0.000	0.000
5/31/1970	5.33	7.63	1.43		14.87	9.77	0.00	0.000	0.000
6/30/1970	6.38	7.47	1.17		15.07	10.00	0.00	0.000	0.000
7/31/1970	4.12	8.21	1.99		15.19	10.25	0.00	0.000	0.000
8/31/1970	6.76	7.87	1.16		15.40	10.50	0.00	0.000	0.000
9/30/1970	6.63	8.21	1.24		15.60	10.74	0.00	0.000	0.000
10/31/1970	6.10	7.87	1.29		15.79	10.99	0.00	0.000	0.000
11/30/1970	6.22	7.71	1.24		15.98	11.22	0.00	0.000	0.000
12/31/1970	6.22	8.16	1.31		16.17	11.47	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
1/31/1971	6.19	7.76	1.25		16.36	11.71	0.00	0.000	0.000
2/28/1971	6.06	6.12	1.01		16.53	11.88	0.00	0.000	0.000
3/31/1971	5.63	8.20	1.46		16.71	12.14	0.00	0.000	0.000
4/30/1971	6.52	7.98	1.22		16.90	12.38	0.00	0.000	0.000
5/31/1971	6.17	7.95	1.29		17.09	12.62	0.00	0.000	0.000
6/30/1971	6.19	7.53	1.22		17.28	12.85	0.00	0.000	0.000
7/31/1971	6.15	7.89	1.28		17.47	13.09	0.00	0.000	0.000
8/31/1971	5.72	4.46	0.78		17.65	13.23	0.00	0.000	0.000
9/30/1971	5.47	7.88	1.44		17.81	13.47	0.00	0.000	0.000
10/31/1971	6.11	7.48	1.22		18.00	13.70	0.00	0.000	0.000
11/30/1971	5.94	7.62	1.28		18.18	13.93	0.00	0.000	0.000
12/31/1971	5.86	7.10	1.21		18.36	14.15	0.00	0.000	0.000
1/31/1972	6.04	7.39	1.22		18.55	14.38	0.00	0.000	0.000
2/29/1972	5.94	6.83	1.15		18.72	14.58	0.00	0.000	0.000
3/31/1972	6.01	6.87	1.14		18.91	14.79	0.00	0.000	0.000
4/30/1972	5.95	5.49	0.92		19.09	14.95	0.00	0.000	0.000
5/31/1972	5.67	4.85	0.86		19.26	15.10	0.00	0.000	0.000
6/30/1972	5.75	5.92	1.03		19.43	15.28	0.00	0.000	0.000
7/31/1972	5.55	5.65	1.02		19.61	15.46	0.00	0.000	0.000
8/31/1972	5.85	5.59	0.96		19.79	15.63	0.00	0.000	0.000
9/30/1972	5.56	5.55	1.00		19.95	15.80	0.00	0.000	0.000
10/31/1972	5.46	5.18	0.95		20.12	15.96	0.00	0.000	0.000
11/30/1972	5.36	5.16	0.96		20.28	16.11	0.00	0.000	0.000
12/31/1972	5.32	4.94	0.93		20.45	16.26	0.00	0.000	0.000
1/31/1973	5.34	5.02	0.94		20.61	16.42	0.00	0.000	0.000
2/28/1973	5.20	4.84	0.93		20.76	16.56	0.00	0.000	0.000
3/31/1973	5.16	4.70	0.91		20.92	16.70	0.00	0.000	0.000
4/30/1973	5.23	3.55	0.68		21.08	16.81	0.00	0.000	0.000
5/31/1973	4.76	3.37	0.71		21.22	16.91	0.00	0.000	0.000
6/30/1973	4.94	4.36	0.88		21.37	17.04	0.00	0.000	0.000
7/31/1973	5.04	4.74	0.94		21.53	17.19	0.00	0.000	0.000
8/31/1973	4.97	4.51	0.91		21.68	17.33	0.00	0.000	0.000
9/30/1973	4.76	4.26	0.90		21.83	17.46	0.00	0.000	0.000
10/31/1973	4.72	3.69	0.78		21.97	17.57	0.00	0.000	0.000
11/30/1973	3.90	3.24	0.83		22.09	17.67	0.00	0.000	0.000
12/31/1973	5.01	8.43	1.68		22.24	17.93	0.00	0.000	0.000
1/31/1974	4.76	8.21	1.72		22.39	18.18	0.00	0.000	0.000
2/28/1974	4.60	7.96	1.73		22.52	18.41	0.00	0.000	0.000
3/31/1974	4.56	6.67	1.46		22.66	18.61	0.00	0.000	0.000
4/30/1974	4.50	7.64	1.70		22.80	18.84	0.00	0.000	0.000
5/31/1974	4.52	7.64	1.69		22.94	19.08	0.00	0.000	0.000
6/30/1974	4.43	7.69	1.74		23.07	19.31	0.00	0.000	0.000
7/31/1974	2.41	5.75	2.39		23.14	19.49	0.00	0.000	0.000
8/31/1974	4.25	1.72	0.40		23.28	19.54	0.00	0.000	0.000
9/30/1974	3.95	0.65	0.16		23.39	19.56	0.00	0.000	0.000
10/31/1974	3.87	0.64	0.17		23.51	19.58	0.00	0.000	0.000
11/30/1974	3.94	5.16	1.31		23.63	19.74	0.00	0.000	0.000
12/31/1974	4.17	8.40	2.01		23.76	20.00	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
1/31/1975	4.19	8.29	1.98		23.89	20.25	0.00	0.000	0.000
2/28/1975	4.26	8.29	1.95		24.01	20.49	0.00	0.000	0.000
3/31/1975	4.18	8.24	1.97		24.14	20.74	0.00	0.000	0.000
4/30/1975	3.89	7.76	1.99		24.26	20.97	0.00	0.000	0.000
5/31/1975	3.92	8.09	2.07		24.38	21.23	0.00	0.000	0.000
6/30/1975	4.08	7.73	1.89		24.50	21.46	0.00	0.000	0.000
7/31/1975	3.79	5.66	1.49		24.62	21.63	0.00	0.000	0.000
8/31/1975	3.81	5.75	1.51		24.74	21.81	0.00	0.000	0.000
9/30/1975	3.69	5.38	1.46		24.85	21.97	0.00	0.000	0.000
10/31/1975	3.46	5.28	1.52		24.96	22.14	0.00	0.000	0.000
11/30/1975	3.54	6.18	1.74		25.06	22.32	0.00	0.000	0.000
12/31/1975	3.43	6.41	1.87		25.17	22.52	0.00	0.000	0.000
1/31/1976	3.53	6.19	1.76		25.28	22.71	0.00	0.000	0.000
2/29/1976	3.43	5.80	1.69		25.38	22.88	0.00	0.000	0.000
3/31/1976	3.05	5.65	1.86		25.47	23.06	0.00	0.000	0.000
4/30/1976	1.44	3.16	2.20		25.51	23.15	0.00	0.000	0.000
5/31/1976	0.30	1.24	4.18		25.52	23.19	0.00	0.000	0.000
6/30/1976	0.08	0.58	7.29		25.53	23.21	0.00	0.000	0.000
7/31/1976	2.02	1.98	0.98		25.59	23.27	0.00	0.000	0.000
8/31/1976	2.67	2.71	1.02		25.67	23.35	0.00	0.000	0.000
9/30/1976	3.31	10.07	3.04		25.77	23.65	0.00	0.000	0.000
10/31/1976	2.16	8.59	3.97		25.84	23.92	0.00	0.000	0.000
11/30/1976	2.79	8.76	3.14		25.92	24.18	0.00	0.000	0.000
12/31/1976	2.78	8.86	3.18		26.01	24.46	0.00	0.000	0.000
1/31/1977	2.72	9.05	3.33		26.09	24.74	0.00	0.000	0.000
2/28/1977	2.83	8.91	3.15		26.17	24.99	0.00	0.000	0.000
3/31/1977	2.86	8.77	3.06		26.26	25.26	0.00	0.000	0.000
4/30/1977	2.66	8.78	3.30		26.34	25.52	0.00	0.000	0.000
5/31/1977	2.95	7.98	2.71		26.43	25.77	0.00	0.000	0.000
6/30/1977	2.55	8.39	3.28		26.51	26.02	0.00	0.000	0.000
7/31/1977	1.69	5.86	3.47		26.56	26.20	0.00	0.000	0.000
8/31/1977	2.40	7.37	3.07		26.63	26.43	0.00	0.000	0.000
9/30/1977	2.90	8.40	2.89		26.72	26.68	0.00	0.000	0.000
10/31/1977	2.88	8.80	3.06		26.81	26.96	0.00	0.000	0.000
11/30/1977	2.74	8.65	3.15		26.89	27.22	0.00	0.000	0.000
12/31/1977	2.79	8.64	3.10		26.98	27.48	0.00	0.000	0.000
1/31/1978	2.19	7.80	3.56		27.05	27.73	0.00	0.000	0.000
2/28/1978	3.03	9.51	3.14		27.13	27.99	0.00	0.000	0.000
3/31/1978	2.59	8.74	3.38		27.21	28.26	0.00	0.000	0.000
4/30/1978	2.99	9.54	3.19		27.30	28.55	0.00	0.000	0.000
5/31/1978	2.84	8.44	2.98		27.39	28.81	0.00	0.000	0.000
6/30/1978	2.85	8.76	3.07		27.48	29.07	0.00	0.000	0.000
7/31/1978	2.23	5.15	2.32		27.54	29.23	0.00	0.000	0.000
8/31/1978	2.65	7.25	2.74		27.63	29.46	0.00	0.000	0.000
9/30/1978	2.42	8.24	3.41		27.70	29.71	0.00	0.000	0.000
10/31/1978	2.89	8.10	2.80		27.79	29.96	0.00	0.000	0.000
11/30/1978	2.45	8.04	3.29		27.86	30.20	0.00	0.000	0.000
12/31/1978	2.65	8.16	3.09		27.94	30.45	0.00	0.000	0.000

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1/31/1979	2.88	8.78	3.04		28.03	30.72	0.00	0.000	0.000
2/28/1979	2.65	6.45	2.44		28.11	30.91	0.00	0.000	0.000
3/31/1979	2.28	1.29	0.56		28.18	30.95	0.00	0.000	0.000
4/30/1979	1.88	0.84	0.45		28.23	30.97	0.00	0.000	0.000
5/31/1979	2.42	3.99	1.65		28.31	31.09	0.00	0.000	0.000
6/30/1979	2.13	4.60	2.16		28.37	31.23	0.00	0.000	0.000
7/31/1979	2.11	8.15	3.87		28.44	31.48	0.00	0.000	0.000
8/31/1979	2.49	5.37	2.16		28.52	31.65	0.00	0.000	0.000
9/30/1979	2.50	10.90	4.36		28.59	31.98	0.00	0.000	0.000
10/31/1979	2.69	10.58	3.93		28.67	32.31	0.00	0.000	0.000
11/30/1979	2.59	10.33	3.99		28.75	32.62	0.00	0.000	0.000
12/31/1979	2.43	9.93	4.08		28.83	32.92	0.00	0.000	0.000
1/31/1980	2.29	5.52	2.41		28.90	33.09	0.00	0.000	0.000
2/29/1980	2.31	0.63	0.27		28.97	33.11	0.00	0.000	0.000
3/31/1980	2.45	1.51	0.61		29.04	33.16	0.00	0.000	0.000
4/30/1980	2.50	1.57	0.63		29.12	33.21	0.00	0.000	0.000
5/31/1980	2.32	1.55	0.67		29.19	33.25	0.00	0.000	0.000
6/30/1980	2.35	9.52	4.05		29.26	33.54	0.00	0.000	0.000
7/31/1980	2.42	8.40	3.47		29.33	33.80	0.00	0.000	0.000
8/31/1980	2.41	9.34	3.88		29.41	34.09	0.00	0.000	0.000
9/30/1980	2.68	11.10	4.14		29.49	34.42	0.00	0.000	0.000
10/31/1980	2.54	8.96	3.54		29.57	34.70	0.00	0.000	0.000
11/30/1980	2.41	10.79	4.48		29.64	35.02	0.00	0.000	0.000
12/31/1980	2.61	10.93	4.18		29.72	35.36	0.00	0.000	0.000
1/31/1981	2.39	10.86	4.55		29.80	35.70	0.00	0.000	0.000
2/28/1981	2.50	10.91	4.37		29.87	36.01	0.00	0.000	0.000
3/31/1981	2.38	10.83	4.55		29.94	36.34	0.00	0.000	0.000
4/30/1981	2.38	10.73	4.50		30.01	36.66	0.00	0.000	0.000
5/31/1981	1.32	3.34	2.53		30.05	36.77	0.00	0.000	0.000
6/30/1981	1.66	10.17	6.14		30.10	37.07	0.00	0.000	0.000
7/31/1981	2.36	11.31	4.80		30.17	37.42	0.00	0.000	0.000
8/31/1981	2.15	6.30	2.93		30.24	37.62	0.00	0.000	0.000
9/30/1981	2.36	21.44	9.09		30.31	38.26	0.00	0.000	0.000
10/31/1981	2.10	12.15	5.80		30.38	38.64	0.00	0.000	0.000
11/30/1981	2.12	11.86	5.59		30.44	38.99	0.00	0.000	0.000
12/31/1981	2.26	10.47	4.64		30.51	39.32	0.00	0.000	0.000
1/31/1982	2.54	11.68	4.60		30.59	39.68	0.00	0.000	0.000
2/28/1982	2.72	9.77	3.59		30.67	39.95	0.00	0.000	0.000
3/31/1982	2.24	11.55	5.15		30.73	40.31	0.00	0.000	0.000
4/30/1982	1.91	9.59	5.02		30.79	40.60	0.00	0.000	0.000
5/31/1982	1.35	6.88	5.12		30.83	40.81	0.00	0.000	0.000
6/30/1982	2.02	9.94	4.92		30.89	41.11	0.00	0.000	0.000
7/31/1982	2.20	10.11	4.60		30.96	41.42	0.00	0.000	0.000
8/31/1982	1.09	4.74	4.36		31.00	41.57	0.00	0.000	0.000
9/30/1982	2.24	8.12	3.63		31.06	41.81	0.00	0.000	0.000
10/31/1982	1.19	4.68	3.93		31.10	41.96	0.00	0.000	0.000
11/30/1982	2.18	6.33	2.90		31.17	42.15	0.00	0.000	0.000
12/31/1982	1.91	6.77	3.54		31.23	42.36	0.00	0.000	0.000

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1/31/1983	2.02	6.92	3.43		31.29	42.57	0.00	0.000	0.000
2/28/1983	1.88	10.99	5.85		31.34	42.88	0.00	0.000	0.000
3/31/1983	1.54	3.88	2.52		31.39	43.00	0.00	0.000	0.000
4/30/1983	2.34	6.47	2.76		31.46	43.20	0.00	0.000	0.000
5/31/1983	1.02	3.85	3.76		31.49	43.32	0.00	0.000	0.000
6/30/1983	1.77	4.52	2.55		31.54	43.45	0.00	0.000	0.000
7/31/1983	1.55	6.26	4.05		31.59	43.65	0.00	0.000	0.000
8/31/1983	1.87	6.79	3.63		31.65	43.86	0.00	0.000	0.000
9/30/1983	1.61	6.23	3.86		31.70	44.04	0.00	0.000	0.000
10/31/1983	1.02	4.84	4.76		31.73	44.19	0.00	0.000	0.000
11/30/1983	2.17	9.22	4.24		31.79	44.47	0.00	0.000	0.000
12/31/1983	0.57	0.61	1.07		31.81	44.49	0.00	0.000	0.000
1/31/1984	1.79	10.10	5.64		31.87	44.80	0.00	0.000	0.000
2/29/1984	1.94	10.09	5.19		31.92	45.09	0.00	0.000	0.000
3/31/1984	1.96	9.86	5.03		31.98	45.40	0.00	0.000	0.000
4/30/1984	1.09	3.99	3.65		32.02	45.52	0.00	0.000	0.000
5/31/1984	1.36	4.61	3.39		32.06	45.66	0.00	0.000	0.000
6/30/1984	1.65	7.75	4.71		32.11	45.89	0.00	0.000	0.000
7/31/1984	1.74	10.74	6.18		32.16	46.23	0.00	0.000	0.000
8/31/1984	2.89	12.98	4.49		32.25	46.63	0.00	0.000	0.000
9/30/1984	0.66	6.94	10.52		32.27	46.84	0.00	0.000	0.000
10/31/1984	2.53	11.66	4.61		32.35	47.20	0.00	0.000	0.000
11/30/1984	2.28	12.56	5.51		32.42	47.58	0.00	0.000	0.000
12/31/1984	1.38	3.95	2.86		32.46	47.70	0.00	0.000	0.000
1/31/1985	1.55	2.48	1.60		32.51	47.78	0.00	0.000	0.000
2/28/1985	1.49	1.94	1.30		32.55	47.83	0.00	0.000	0.000
3/31/1985	1.53	2.48	1.62		32.60	47.91	0.00	0.000	0.000
4/30/1985	1.30	1.42	1.09		32.64	47.95	0.00	0.000	0.000
5/31/1985	1.20	1.16	0.97		32.68	47.99	0.00	0.000	0.000
6/30/1985	1.35	9.48	7.04		32.72	48.27	0.00	0.000	0.000
7/31/1985	1.62	12.40	7.64		32.77	48.65	0.00	0.000	0.000
8/31/1985	0.99	8.27	8.32		32.80	48.91	0.00	0.000	0.000
9/30/1985	1.50	11.42	7.60		32.84	49.25	0.00	0.000	0.000
10/31/1985	1.58	13.05	8.24		32.89	49.66	0.00	0.000	0.000
11/30/1985	1.27	14.37	11.34		32.93	50.09	0.00	0.000	0.000
12/31/1985	1.30	15.33	11.76		32.97	50.56	0.00	0.000	0.000
1/31/1986	1.25	14.10	11.24		33.01	51.00	0.00	0.000	0.000
2/28/1986	0.90	13.60	15.17		33.03	51.38	0.00	0.000	0.000
3/31/1986	2.12	10.39	4.90		33.10	51.70	0.00	0.000	0.000
4/30/1986	2.19	12.72	5.80		33.16	52.09	0.00	0.000	0.000
5/31/1986	1.75	13.16	7.53		33.22	52.49	0.00	0.000	0.000
6/30/1986	1.83	14.25	7.80		33.27	52.92	0.00	0.000	0.000
7/31/1986	1.88	14.74	7.82		33.33	53.38	0.00	0.000	0.000
8/31/1986	1.79	13.30	7.44		33.39	53.79	0.00	0.000	0.000
9/30/1986	1.93	11.92	6.19		33.45	54.15	0.00	0.000	0.000
10/31/1986	1.45	14.24	9.81		33.49	54.59	0.00	0.000	0.000
11/30/1986	1.68	15.41	9.16		33.54	55.05	0.00	0.000	0.000
12/31/1986	1.48	11.92	8.03		33.59	55.42	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
1/31/1987	1.56	12.80	8.18		33.64	55.82	0.00	0.000	0.000
2/28/1987	1.60	16.09	10.06		33.68	56.27	0.00	0.000	0.000
3/31/1987	1.57	15.08	9.60		33.73	56.74	0.00	0.000	0.000
4/30/1987	1.59	14.50	9.14		33.78	57.17	0.00	0.000	0.000
5/31/1987	1.53	15.90	10.42		33.82	57.66	0.00	0.000	0.000
6/30/1987	1.61	16.19	10.08		33.87	58.15	0.00	0.000	0.000
7/31/1987	1.49	16.67	11.19		33.92	58.67	0.00	0.000	0.000
8/31/1987	1.50	15.44	10.31		33.96	59.15	0.00	0.000	0.000
9/30/1987	1.43	13.44	9.38		34.01	59.55	0.00	0.000	0.000
10/31/1987	1.37	8.89	6.47		34.05	59.82	0.00	0.000	0.000
11/30/1987	1.60	15.21	9.49		34.10	60.28	0.00	0.000	0.000
12/31/1987	1.56	14.01	8.98		34.15	60.71	0.00	0.000	0.000
1/31/1988	1.44	13.48	9.35		34.19	61.13	0.00	0.000	0.000
2/29/1988	1.47	12.94	8.83		34.23	61.51	0.00	0.000	0.000
3/31/1988	1.48	13.21	8.94		34.28	61.92	0.00	0.000	0.000
4/30/1988	1.23	10.82	8.82		34.32	62.24	0.00	0.000	0.000
5/31/1988	1.48	14.91	10.09		34.36	62.70	0.00	0.000	0.000
6/30/1988	2.02	14.56	7.21		34.42	63.14	0.00	0.000	0.000
7/31/1988	1.56	14.37	9.19		34.47	63.59	0.00	0.000	0.000
8/31/1988	1.57	14.45	9.18		34.52	64.03	0.00	0.000	0.000
9/30/1988	1.47	9.26	6.30		34.56	64.31	0.00	0.000	0.000
10/31/1988	1.19	9.11	7.67		34.60	64.59	0.00	0.000	0.000
11/30/1988	1.13	0.57	0.51		34.63	64.61	0.00	0.000	0.000
12/31/1988	0.98	0.37	0.38		34.67	64.62	0.00	0.000	0.000
5/31/1989	0.48	0.13	0.26		34.68	64.63	0.00	0.000	0.000
6/30/1989	1.72	0.86	0.50		34.73	64.65	0.00	0.000	0.000
7/31/1989	1.53	0.76	0.50		34.78	64.68	0.00	0.000	0.000
8/31/1989	1.53	0.83	0.54		34.83	64.70	0.00	0.000	0.000
9/30/1989	1.53	0.82	0.54		34.87	64.73	0.00	0.000	0.000
10/31/1989	1.24	1.83	1.48		34.91	64.78	0.00	0.000	0.000
11/30/1989	1.34	2.21	1.65		34.95	64.85	0.00	0.000	0.000
12/31/1989	0.89	1.53	1.72		34.98	64.90	0.00	0.000	0.000
1/31/1990	1.33	1.37	1.03		35.02	64.94	0.00	0.000	0.000
2/28/1990	1.32	2.55	1.93		35.06	65.01	0.00	0.000	0.000
3/31/1990	1.27	2.15	1.69		35.10	65.08	0.00	0.000	0.000
4/30/1990	1.19	1.83	1.54		35.13	65.13	0.00	0.000	0.000
5/31/1990	1.30	2.56	1.97		35.17	65.21	0.00	0.000	0.000
6/30/1990	1.31	2.71	2.07		35.21	65.29	0.00	0.000	0.000
7/31/1990	1.32	1.40	1.06		35.25	65.34	0.00	0.000	0.000
8/31/1990	1.28	1.39	1.08		35.29	65.38	0.00	0.000	0.000
9/30/1990	1.25	1.47	1.17		35.33	65.42	0.00	0.000	0.000
10/31/1990	0.98	0.98	1.00		35.36	65.45	0.00	0.000	0.000
11/30/1990	1.15	0.00	0.00		35.39	65.45	0.00	0.000	0.000
12/31/1990	1.16	0.00	0.00		35.43	65.45	0.00	0.000	0.000
1/31/1991	1.34	0.00	0.00		35.47	65.45	0.00	0.000	0.000
2/28/1991	1.33	0.00	0.00		35.51	65.45	0.00	0.000	0.000
3/31/1991	1.32	0.00	0.00		35.55	65.45	0.00	0.000	0.000
4/30/1991	1.26	0.00	0.00		35.59	65.45	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 Replacemt Ratio
5/31/1991	1.08	0.00	0.00		35.62	65.45	0.00	0.000	0.000
6/30/1991	1.31	0.00	0.00		35.66	65.45	0.00	0.000	0.000
7/31/1991	1.25	0.00	0.00		35.70	65.45	0.00	0.000	0.000
8/31/1991	0.99	0.00	0.00		35.73	65.45	0.00	0.000	0.000
9/30/1991	1.12	0.00	0.00		35.76	65.45	0.00	0.000	0.000
10/31/1991	1.15	0.00	0.00		35.80	65.45	0.00	0.000	0.000
11/30/1991	1.20	0.00	0.00		35.84	65.45	0.00	0.000	0.000
12/31/1991	1.20	0.00	0.00		35.87	65.45	0.00	0.000	0.000
1/31/1992	1.24	0.00	0.00		35.91	65.45	0.00	0.000	0.000
2/29/1992	1.05	0.00	0.00		35.94	65.45	0.00	0.000	0.000
3/31/1992	1.24	0.00	0.00		35.98	65.45	0.00	0.000	0.000
4/30/1992	1.08	0.00	0.00		36.01	65.45	0.00	0.000	0.000
5/31/1992	1.16	0.00	0.00		36.05	65.45	0.00	0.000	0.000
6/30/1992	1.19	0.00	0.00		36.08	65.45	0.00	0.000	0.000
7/31/1992	1.11	2.16	1.95		36.12	65.52	0.00	0.000	0.000
8/31/1992	1.11	1.94	1.75		36.15	65.58	0.00	0.000	0.000
9/30/1992	1.12	2.07	1.85		36.19	65.64	0.00	0.000	0.000
10/31/1992	0.99	1.67	1.69		36.22	65.69	0.00	0.000	0.000
11/30/1992	1.02	2.39	2.34		36.25	65.77	0.00	0.000	0.000
12/31/1992	0.92	2.42	2.64		36.28	65.84	0.00	0.000	0.000
1/31/1993	0.92	2.22	2.42		36.30	65.91	0.00	0.000	0.000
2/28/1993	0.93	2.37	2.54		36.33	65.98	0.00	0.000	0.000
3/31/1993	0.89	2.38	2.67		36.36	66.05	0.00	0.000	0.000
4/30/1993	0.91	2.19	2.41		36.39	66.12	0.00	0.000	0.000
5/31/1993	1.11	2.49	2.24		36.42	66.19	0.00	0.000	0.000
6/30/1993	1.21	2.41	1.99		36.46	66.27	0.00	0.000	0.000
7/31/1993	1.22	2.38	1.96		36.49	66.34	0.00	0.000	0.000
8/31/1993	1.14	2.28	2.01		36.53	66.41	0.00	0.000	0.000
9/30/1993	1.21	2.63	2.17		36.57	66.49	0.00	0.000	0.000
10/31/1993	1.13	2.51	2.22		36.60	66.57	0.00	0.000	0.000
11/30/1993	1.26	2.07	1.65		36.64	66.63	0.00	0.000	0.000
12/31/1993	1.14	2.34	2.05		36.67	66.70	0.00	0.000	0.000
1/31/1994	0.98	2.00	2.03		36.70	66.76	0.00	0.000	0.000
2/28/1994	0.97	1.67	1.71		36.73	66.81	0.00	0.000	0.000
3/31/1994	0.96	1.71	1.77		36.76	66.86	0.00	0.000	0.000
4/30/1994	0.96	2.19	2.28		36.79	66.93	0.00	0.000	0.000
5/31/1994	0.96	2.24	2.32		36.82	67.00	0.00	0.000	0.000
6/30/1994	0.83	1.79	2.15		36.85	67.05	0.00	0.000	0.000
7/31/1994	0.64	1.04	1.64		36.87	67.08	0.00	0.000	0.000
8/31/1994	1.35	2.05	1.51		36.91	67.15	0.00	0.000	0.000
9/30/1994	1.40	2.11	1.50		36.95	67.21	0.00	0.000	0.000
10/31/1994	1.39	1.78	1.29		36.99	67.27	0.00	0.000	0.000
11/30/1994	1.21	1.63	1.35		37.03	67.32	0.00	0.000	0.000
12/31/1994	1.27	1.80	1.42		37.07	67.37	0.00	0.000	0.000
1/31/1995	1.28	1.72	1.35		37.11	67.42	0.00	0.000	0.000
2/28/1995	1.25	1.71	1.37		37.14	67.47	0.00	0.000	0.000
3/31/1995	1.22	1.71	1.40		37.18	67.53	0.00	0.000	0.000
4/30/1995	1.21	1.78	1.48		37.22	67.58	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
5/31/1995	1.24	2.00	1.61		37.26	67.64	0.00	0.000	0.000
6/30/1995	1.21	1.97	1.62		37.29	67.70	0.00	0.000	0.000
7/31/1995	1.14	1.75	1.54		37.33	67.75	0.00	0.000	0.000
8/31/1995	13.24	1.94	0.15		37.74	67.81	0.00	0.000	0.000
9/30/1995	8.37	1.91	0.23		37.99	67.87	0.00	0.000	0.000
10/31/1995	7.45	1.89	0.25		38.22	67.93	0.00	0.000	0.000
11/30/1995	7.07	1.80	0.25		38.43	67.98	0.00	0.000	0.000
12/31/1995	6.99	1.82	0.26		38.65	68.04	0.00	0.000	0.000
1/31/1996	6.82	1.83	0.27		38.86	68.10	0.00	0.000	0.000
2/29/1996	6.42	1.84	0.29		39.05	68.15	0.00	0.000	0.000
3/31/1996	5.86	1.68	0.29		39.23	68.20	0.00	0.000	0.000
4/30/1996	5.57	1.80	0.32		39.39	68.26	0.00	0.000	0.000
5/31/1996	5.88	2.19	0.37		39.58	68.32	0.00	0.000	0.000
6/30/1996	5.76	1.60	0.28		39.75	68.37	0.00	0.000	0.000
7/31/1996	5.92	1.60	0.27		39.93	68.42	0.00	0.000	0.000
8/31/1996	5.97	1.50	0.25		40.12	68.47	0.00	0.000	0.000
9/30/1996	5.08	1.53	0.30		40.27	68.51	0.00	0.000	0.000
10/31/1996	5.35	1.58	0.30		40.44	68.56	0.00	0.000	0.000
11/30/1996	4.10	1.51	0.37		40.56	68.61	0.00	0.000	0.000
12/31/1996	6.99	1.55	0.22		40.78	68.66	0.00	0.000	0.000
1/31/1997	6.20	1.52	0.24		40.97	68.70	0.00	0.000	0.000
2/28/1997	5.20	1.54	0.30		41.11	68.75	0.00	0.000	0.000
3/31/1997	4.84	0.75	0.15		41.26	68.77	0.00	0.000	0.000
4/30/1997	11.47	1.46	0.13		41.61	68.81	0.00	0.000	0.000
5/31/1997	10.30	6.74	0.65		41.93	69.02	0.00	0.000	0.000
6/30/1997	8.60	7.41	0.86		42.18	69.24	0.00	0.000	0.000
7/31/1997	8.02	7.54	0.94		42.43	69.48	0.00	0.000	0.000
8/31/1997	7.80	0.24	0.03		42.68	69.49	0.00	0.000	0.000
9/30/1997	7.96	0.00	0.00		42.91	69.49	0.00	0.000	0.000
10/31/1997	5.52	0.00	0.00		43.09	69.49	0.00	0.000	0.000
11/30/1997	7.77	0.00	0.00		43.32	69.49	0.00	0.000	0.000
12/31/1997	7.37	0.00	0.00		43.55	69.49	0.00	0.000	0.000
1/31/1998	7.41	0.00	0.00		43.78	69.49	0.00	0.000	0.000
2/28/1998	7.08	0.00	0.00		43.97	69.49	0.00	0.000	0.000
3/31/1998	6.93	0.00	0.00		44.19	69.49	0.00	0.000	0.000
4/30/1998	6.78	0.00	0.00		44.39	69.49	0.00	0.000	0.000
5/31/1998	6.46	0.00	0.00		44.59	69.49	0.00	0.000	0.000
6/30/1998	6.31	0.00	0.00		44.78	69.49	0.00	0.000	0.000
7/31/1998	6.19	0.00	0.00		44.97	69.49	0.00	0.000	0.000
8/31/1998	5.96	0.00	0.00		45.16	69.49	0.00	0.000	0.000
9/30/1998	5.90	0.00	0.00		45.34	69.49	0.00	0.000	0.000
10/31/1998	5.81	0.00	0.00		45.52	69.49	0.00	0.000	0.000
11/30/1998	5.77	0.00	0.00		45.69	69.49	0.00	0.000	0.000
12/31/1998	5.84	0.00	0.00		45.87	69.49	0.00	0.000	0.000
1/31/1999	4.63	0.00	0.00		46.01	69.49	0.00	0.000	0.000
2/28/1999	5.79	0.00	0.00		46.18	69.49	0.00	0.000	0.000
3/31/1999	10.21	14.25	1.40		46.49	69.93	0.00	0.000	0.000
4/30/1999	9.95	23.63	2.37		46.79	70.64	0.00	0.000	0.000

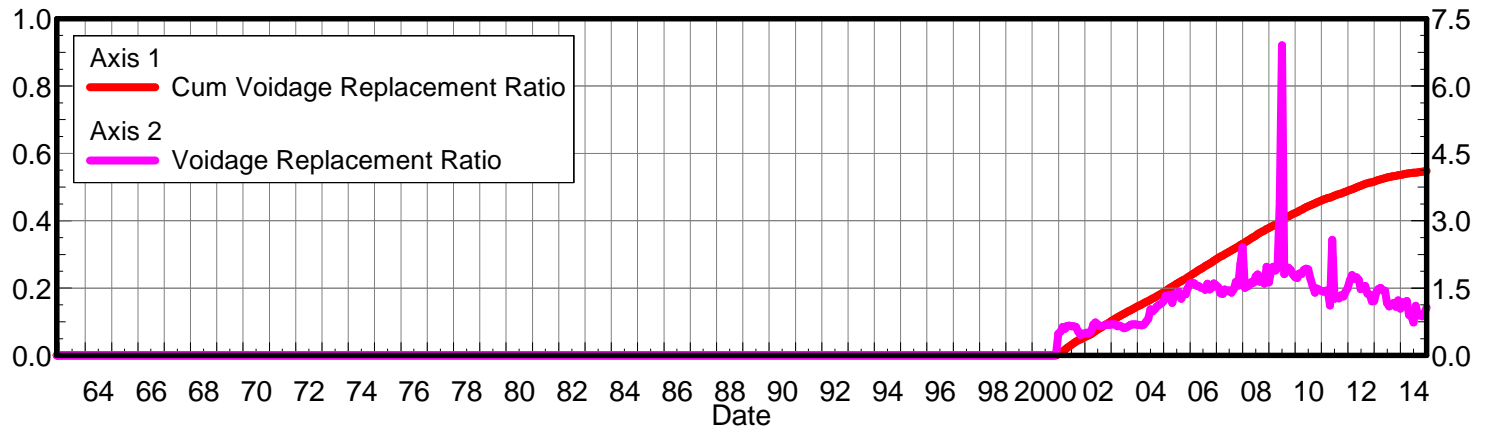
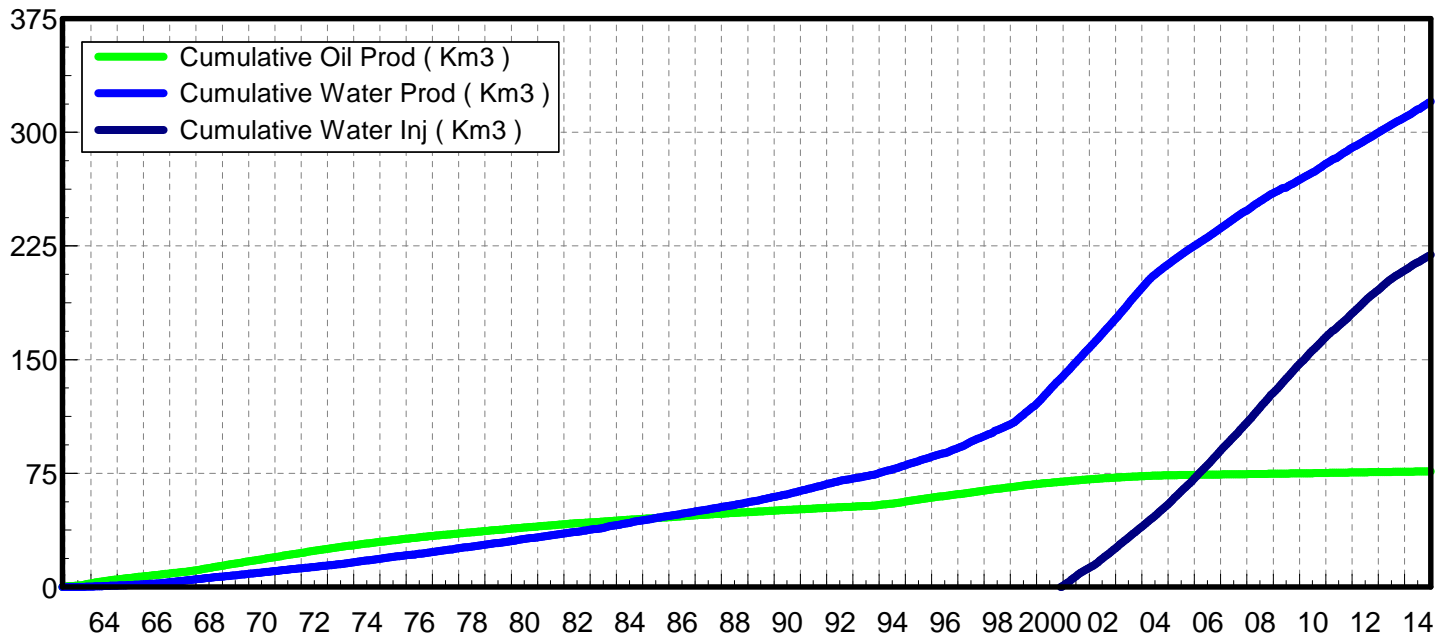
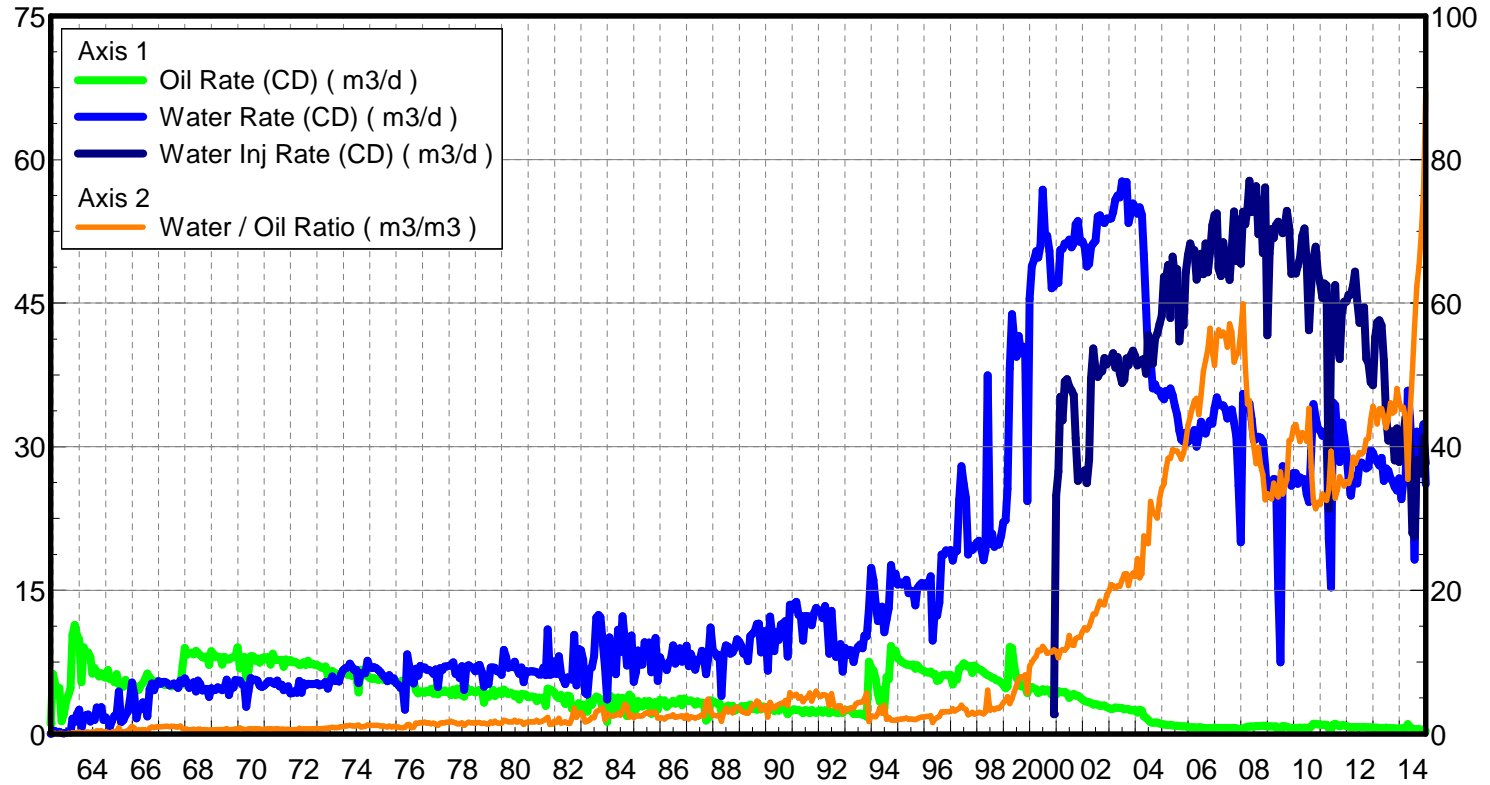
Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
5/31/1999	8.30	20.74	2.50		47.05	71.28	0.00	0.000	0.000
6/30/1999	8.40	20.42	2.43		47.30	71.89	0.00	0.000	0.000
7/31/1999	7.73	19.72	2.55		47.54	72.50	0.00	0.000	0.000
8/31/1999	7.51	19.80	2.64		47.77	73.12	0.00	0.000	0.000
9/30/1999	7.75	19.93	2.57		48.00	73.72	0.00	0.000	0.000
10/31/1999	7.81	20.26	2.59		48.25	74.34	0.00	0.000	0.000
11/30/1999	6.73	12.21	1.81		48.45	74.71	0.00	0.000	0.000
12/31/1999	6.26	20.67	3.30		48.64	75.35	0.00	0.000	0.000
1/31/2000	6.52	19.69	3.02		48.84	75.96	0.00	0.000	0.000
2/29/2000	6.23	18.77	3.01		49.03	76.50	0.00	0.000	0.000
3/31/2000	6.35	18.90	2.98		49.22	77.09	0.00	0.000	0.000
4/30/2000	6.80	18.50	2.72		49.43	77.65	0.00	0.000	0.000
5/31/2000	6.89	18.82	2.73		49.64	78.23	0.00	0.000	0.000
6/30/2000	6.35	19.96	3.14		49.83	78.83	0.00	0.000	0.000
7/31/2000	5.98	18.54	3.10		50.02	79.40	0.00	0.000	0.000
8/31/2000	5.34	18.58	3.48	27.52	50.18	79.98	0.85	1.138	0.006
9/30/2000	5.33	18.41	3.45	50.93	50.34	80.53	2.38	2.121	0.018
10/31/2000	5.83	19.02	3.26	50.10	50.52	81.12	3.93	1.992	0.029
11/30/2000	5.99	18.78	3.14	52.40	50.70	81.68	5.51	2.090	0.041
12/31/2000	5.82	18.91	3.25	62.39	50.88	82.27	7.44	2.493	0.055
1/31/2001	6.11	18.90	3.09	62.06	51.07	82.86	9.36	2.451	0.069
2/28/2001	6.13	20.03	3.27	50.50	51.24	83.42	10.78	1.908	0.079
3/31/2001	5.67	20.30	3.58	57.84	51.42	84.05	12.57	2.202	0.091
4/30/2001	5.67	20.39	3.60	53.33	51.59	84.66	14.17	2.025	0.102
5/31/2001	5.81	21.14	3.64	54.68	51.77	85.31	15.87	2.008	0.114
6/30/2001	5.88	21.52	3.66	58.50	51.95	85.96	17.62	2.112	0.125
7/31/2001	5.75	20.80	3.62	54.13	52.12	86.60	19.30	2.017	0.137
8/31/2001	5.60	20.94	3.74	56.90	52.30	87.25	21.06	2.122	0.148
9/30/2001	5.37	22.41	4.18	60.50	52.46	87.93	22.88	2.158	0.160
10/31/2001	5.37	22.66	4.22	73.90	52.62	88.63	25.17	2.611	0.175
11/30/2001	5.31	22.05	4.15	72.83	52.78	89.29	27.35	2.637	0.189
12/31/2001	5.30	22.10	4.17	71.19	52.95	89.97	29.56	2.572	0.203
1/31/2002	5.25	21.96	4.18	71.97	53.11	90.66	31.79	2.619	0.217
2/28/2002	5.25	21.09	4.02	72.11	53.26	91.25	33.81	2.711	0.230
3/31/2002	5.13	21.01	4.10	69.48	53.42	91.90	35.97	2.632	0.243
4/30/2002	5.32	21.83	4.10	59.83	53.58	92.55	37.76	2.182	0.254
5/31/2002	5.39	22.09	4.10	62.52	53.74	93.24	39.70	2.253	0.265
6/30/2002	5.26	21.62	4.11	65.27	53.90	93.89	41.66	2.405	0.277
7/31/2002	5.23	23.30	4.46	70.39	54.06	94.61	43.84	2.445	0.290
8/31/2002	5.09	23.30	4.57	70.42	54.22	95.33	46.02	2.459	0.302
9/30/2002	5.15	23.59	4.58	67.23	54.38	96.04	48.04	2.318	0.314
10/31/2002	4.91	23.20	4.73	65.00	54.53	96.76	50.05	2.293	0.325
11/30/2002	4.80	23.04	4.80	66.43	54.67	97.45	52.05	2.366	0.336
12/31/2002	4.89	23.00	4.71	67.13	54.82	98.16	54.13	2.386	0.348
1/31/2003	4.89	22.52	4.60	67.61	54.98	98.86	56.22	2.445	0.359
2/28/2003	4.72	23.52	4.98	67.68	55.11	99.52	58.12	2.376	0.369
3/31/2003	4.68	24.51	5.24	74.13	55.25	100.28	60.42	2.519	0.382
4/30/2003	4.45	24.96	5.61	74.23	55.39	101.03	62.64	2.505	0.394

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
5/31/2003	4.44	24.83	5.60	72.23	55.52	101.80	64.88	2.450	0.405
6/30/2003	4.18	25.99	6.21	77.70	55.65	102.58	67.21	2.557	0.417
7/31/2003	3.99	25.42	6.38	74.77	55.77	103.36	69.53	2.526	0.429
8/31/2003	4.05	25.98	6.42	75.68	55.90	104.17	71.88	2.503	0.441
9/30/2003	4.14	24.29	5.87	75.53	56.02	104.90	74.14	2.638	0.453
10/31/2003	3.95	24.57	6.21	74.77	56.15	105.66	76.46	2.604	0.464
11/30/2003	3.90	24.44	6.27	77.30	56.26	106.39	78.78	2.709	0.476
12/31/2003	3.97	24.55	6.18	81.23	56.39	107.15	81.30	2.828	0.489
1/31/2004	3.47	24.51	7.07	82.23	56.49	107.91	83.85	2.921	0.501
2/29/2004	3.75	24.94	6.65	81.55	56.60	108.64	86.21	2.824	0.513
3/31/2004	3.88	24.53	6.32	76.03	56.72	109.40	88.57	2.658	0.524
4/30/2004	3.92	22.89	5.84	65.30	56.84	110.08	90.53	2.418	0.533
5/31/2004	3.89	22.16	5.70	59.68	56.96	110.77	92.38	2.274	0.542
6/30/2004	3.74	22.19	5.93	48.70	57.07	111.44	93.84	1.865	0.548
7/31/2004	3.42	23.34	6.82	54.74	57.18	112.16	95.54	2.033	0.555
8/31/2004	3.48	22.59	6.49	45.55	57.29	112.86	96.95	1.736	0.560
9/30/2004	3.64	23.31	6.40	44.87	57.40	113.56	98.29	1.653	0.565
10/31/2004	3.51	23.14	6.60	41.55	57.50	114.28	99.58	1.549	0.570
11/30/2004	3.30	23.85	7.22	40.47	57.60	114.99	100.80	1.481	0.574
12/31/2004	2.94	24.45	8.32	38.77	57.69	115.75	102.00	1.408	0.578
1/31/2005	2.42	24.70	10.20	37.55	57.77	116.52	103.16	1.378	0.582
2/28/2005	2.19	25.47	11.64	36.57	57.83	117.23	104.19	1.317	0.585
3/31/2005	2.09	25.26	12.07	39.42	57.90	118.01	105.41	1.436	0.590
4/30/2005	2.11	25.93	12.27	45.60	57.96	118.79	106.78	1.620	0.594
5/31/2005	2.74	25.42	9.28	36.71	58.04	119.58	107.91	1.297	0.598
6/30/2005	3.77	24.63	6.54	39.53	58.16	120.32	109.10	1.383	0.601
7/31/2005	3.24	23.90	7.38	35.84	58.26	121.06	110.21	1.313	0.605
8/31/2005	3.65	22.96	6.30	33.55	58.37	121.77	111.25	1.252	0.608
9/30/2005	3.67	22.34	6.08	34.27	58.48	122.44	112.28	1.308	0.611
10/31/2005	3.55	22.04	6.21	32.03	58.59	123.12	113.27	1.243	0.613
11/30/2005	3.56	22.77	6.40	31.20	58.70	123.81	114.21	1.177	0.616
12/31/2005	3.39	22.40	6.60	32.39	58.80	124.50	115.21	1.248	0.619
1/31/2006	3.33	22.90	6.87	34.23	58.91	125.21	116.27	1.297	0.622
2/28/2006	3.17	23.33	7.36	34.57	58.99	125.86	117.24	1.297	0.624
3/31/2006	3.47	25.57	7.38	388.71	59.10	126.66	129.29	13.307	0.685
4/30/2006	3.50	24.99	7.14	38.50	59.21	127.41	130.45	1.343	0.688
5/31/2006	3.74	25.86	6.92	39.35	59.32	128.21	131.67	1.321	0.691
6/30/2006	3.61	27.02	7.48	48.13	59.43	129.02	133.11	1.562	0.695
7/31/2006	3.40	26.89	7.92	53.23	59.54	129.85	134.76	1.747	0.701
8/31/2006	3.32	26.32	7.92	53.94	59.64	130.67	136.43	1.809	0.706
9/30/2006	3.13	27.36	8.73	58.77	59.73	131.49	138.19	1.917	0.712
10/31/2006	3.08	28.09	9.11	52.26	59.83	132.36	139.82	1.668	0.716
11/30/2006	3.06	27.61	9.04	50.20	59.92	133.19	141.32	1.629	0.721
12/31/2006	3.16	29.14	9.21	73.13	60.02	134.09	143.59	2.253	0.728
1/31/2007	2.99	30.34	10.15	75.00	60.11	135.03	145.91	2.240	0.736
2/28/2007	3.02	29.64	9.82	76.68	60.20	135.86	148.06	2.337	0.744
3/31/2007	2.99	29.40	9.85	82.81	60.29	136.77	150.63	2.546	0.753
4/30/2007	2.92	29.36	10.07	84.57	60.38	137.65	153.16	2.608	0.762

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
5/31/2007	2.89	28.95	10.01	85.52	60.47	138.55	155.82	2.673	0.771
6/30/2007	2.82	28.14	9.98	86.67	60.55	139.40	158.41	2.787	0.780
7/31/2007	2.65	28.56	10.77	86.26	60.63	140.28	161.09	2.752	0.790
8/31/2007	2.74	29.01	10.60	92.42	60.72	141.18	163.95	2.899	0.800
9/30/2007	2.85	27.90	9.79	93.67	60.80	142.02	166.76	3.032	0.810
10/31/2007	2.81	26.53	9.45	94.87	60.89	142.84	169.71	3.218	0.821
11/30/2007	2.61	21.42	8.22	75.37	60.97	143.48	171.97	3.120	0.829
12/31/2007	2.27	15.61	6.88	65.06	61.04	143.97	173.98	3.616	0.836
1/31/2008	2.55	30.82	12.09	88.03	61.12	144.92	176.71	2.628	0.845
2/29/2008	2.62	29.48	11.23	89.41	61.19	145.78	179.31	2.774	0.854
3/31/2008	2.73	30.00	11.00	94.00	61.28	146.71	182.22	2.860	0.863
4/30/2008	2.71	29.97	11.07	92.00	61.36	147.61	184.98	2.804	0.872
5/31/2008	2.75	28.48	10.34	86.03	61.44	148.49	187.65	2.742	0.881
6/30/2008	2.71	26.29	9.69	85.50	61.53	149.28	190.21	2.935	0.889
7/31/2008	2.86	26.45	9.24	85.77	61.61	150.10	192.87	2.912	0.898
8/31/2008	2.63	26.69	10.15	90.90	61.70	150.92	195.69	3.086	0.907
9/30/2008	2.80	26.70	9.54	90.33	61.78	151.73	198.40	3.047	0.916
10/31/2008	2.75	26.37	9.58	79.68	61.87	152.54	200.87	2.723	0.924
11/30/2008	2.63	23.94	9.08	94.87	61.94	153.26	203.71	3.553	0.933
12/31/2008	2.48	21.35	8.63	100.65	62.02	153.92	206.83	4.202	0.944
1/31/2009	2.44	22.06	9.05	94.90	62.10	154.61	209.78	3.855	0.954
2/28/2009	2.44	22.54	9.22	93.57	62.17	155.24	212.40	3.727	0.963
3/31/2009	2.32	23.11	9.95	93.58	62.24	155.95	215.30	3.663	0.973
4/30/2009	2.44	23.06	9.47	96.40	62.31	156.65	218.19	3.763	0.983
5/31/2009	2.14	12.45	5.82	80.26	62.38	157.03	220.68	5.463	0.992
6/30/2009	1.87	4.90	2.62	72.10	62.43	157.18	222.84	10.507	1.000
7/31/2009	2.56	24.66	9.65	93.00	62.51	157.94	225.72	3.401	1.010
8/31/2009	2.45	24.15	9.87	99.03	62.59	158.69	228.79	3.706	1.020
9/30/2009	2.35	23.56	10.04	101.43	62.66	159.40	231.84	3.897	1.030
10/31/2009	2.20	23.60	10.73	102.19	62.73	160.13	235.00	3.945	1.040
11/30/2009	2.14	22.58	10.57	97.90	62.79	160.81	237.94	3.943	1.049
12/31/2009	2.21	23.88	10.79	101.10	62.86	161.55	241.07	3.858	1.059
1/31/2010	2.15	23.94	11.15	101.00	62.93	162.29	244.21	3.856	1.069
2/28/2010	2.09	22.89	10.94	95.39	62.98	162.93	246.88	3.802	1.078
3/31/2010	2.04	23.45	11.48	98.48	63.05	163.66	249.93	3.847	1.087
4/30/2010	1.90	23.07	12.15	94.80	63.10	164.35	252.77	3.783	1.096
5/31/2010	1.93	22.64	11.75	93.94	63.16	165.05	255.69	3.809	1.105
6/30/2010	1.83	21.19	11.59	96.17	63.22	165.69	258.57	4.162	1.114
7/31/2010	1.60	20.36	12.75	92.94	63.27	166.32	261.45	4.218	1.123
8/31/2010	2.06	25.61	12.45	100.48	63.33	167.11	264.57	3.618	1.133
9/30/2010	2.33	30.73	13.22	106.27	63.40	168.04	267.76	3.204	1.141
10/31/2010	2.18	29.27	13.40	104.52	63.47	168.94	271.00	3.311	1.150
11/30/2010	2.23	28.45	12.75	105.03	63.54	169.80	274.15	3.411	1.159
12/31/2010	2.23	28.31	12.67	106.77	63.61	170.67	277.46	3.483	1.168
1/31/2011	2.09	27.54	13.16	104.16	63.67	171.53	280.69	3.503	1.177
2/28/2011	2.16	27.90	12.91	106.93	63.73	172.31	283.68	3.545	1.186
3/31/2011	2.16	27.75	12.86	106.68	63.80	173.17	286.99	3.554	1.195
4/30/2011	1.77	18.79	10.62	102.63	63.85	173.73	290.07	4.970	1.205

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
5/31/2011	1.48	12.10	8.18	68.29	63.90	174.11	292.18	5.001	1.211
6/30/2011	2.13	30.14	14.14	105.70	63.96	175.01	295.35	3.265	1.220
7/31/2011	2.30	30.23	13.13	108.13	64.03	175.95	298.70	3.312	1.228
8/31/2011	2.01	27.60	13.75	98.26	64.09	176.80	301.75	3.307	1.236
9/30/2011	1.84	25.11	13.62	103.00	64.15	177.56	304.84	3.808	1.245
10/31/2011	2.00	29.07	14.56	104.74	64.21	178.46	308.09	3.361	1.253
11/30/2011	1.99	27.72	13.90	103.47	64.27	179.29	311.19	3.471	1.261
12/31/2011	2.03	25.59	12.60	100.65	64.33	180.08	314.31	3.631	1.269
1/31/2012	1.91	22.69	11.86	101.55	64.39	180.79	317.46	4.112	1.278
2/29/2012	1.75	21.14	12.08	87.93	64.44	181.40	320.01	3.827	1.285
3/31/2012	1.73	23.36	13.48	94.23	64.50	182.12	322.93	3.743	1.293
4/30/2012	1.66	23.34	14.10	100.93	64.55	182.82	325.96	4.025	1.301
5/31/2012	1.50	22.52	15.02	101.74	64.59	183.52	329.11	4.222	1.309
6/30/2012	1.59	24.43	15.36	105.97	64.64	184.26	332.29	4.061	1.318
7/31/2012	1.60	24.10	15.01	104.94	64.69	185.00	335.55	4.070	1.327
8/31/2012	1.59	23.48	14.78	100.81	64.74	185.73	338.67	4.009	1.335
9/30/2012	1.55	23.16	14.91	108.13	64.79	186.43	341.91	4.361	1.344
10/31/2012	1.65	23.81	14.47	106.16	64.84	187.16	345.20	4.157	1.352
11/30/2012	1.65	25.57	15.51	108.00	64.89	187.93	348.44	3.956	1.361
12/31/2012	1.60	25.37	15.89	98.81	64.94	188.72	351.51	3.653	1.368
1/31/2013	1.54	24.32	15.79	105.03	64.99	189.47	354.76	4.050	1.377
2/28/2013	1.68	24.23	14.47	109.50	65.03	190.15	357.83	4.213	1.385
3/31/2013	1.69	24.00	14.24	109.77	65.08	190.89	361.23	4.260	1.393
4/30/2013	1.62	24.83	15.37	106.80	65.13	191.64	364.44	4.027	1.402
5/31/2013	1.52	22.84	15.03	97.23	65.18	192.35	367.45	3.980	1.409
6/30/2013	1.63	23.63	14.50	106.10	65.23	193.05	370.63	4.187	1.417
7/31/2013	1.59	23.31	14.70	106.68	65.28	193.78	373.94	4.271	1.426
8/31/2013	1.45	22.57	15.60	102.71	65.32	194.48	377.13	4.264	1.434
9/30/2013	1.48	22.47	15.18	104.83	65.37	195.15	380.27	4.363	1.442
10/31/2013	1.44	21.90	15.24	104.29	65.41	195.83	383.50	4.456	1.450
11/30/2013	1.37	21.16	15.50	100.33	65.45	196.46	386.51	4.442	1.457
12/31/2013	1.44	22.43	15.55	103.97	65.50	197.16	389.74	4.342	1.466
1/31/2014	1.46	20.27	13.86	97.68	65.54	197.79	392.76	4.479	1.473
2/28/2014	1.56	22.37	14.37	101.25	65.59	198.41	395.60	4.217	1.480
3/31/2014	1.63	22.90	14.07	102.45	65.64	199.13	398.77	4.162	1.488
4/30/2014	2.15	32.22	14.95	110.13	65.70	200.09	402.08	3.194	1.494
5/31/2014	1.84	29.22	15.85	110.81	65.76	201.00	405.51	3.557	1.502
6/30/2014	1.59	24.85	15.60	91.37	65.81	201.74	408.26	3.444	1.507
7/31/2014	1.38	15.28	11.07	88.32	65.85	202.22	410.99	5.280	1.515
8/31/2014	1.53	27.35	17.85	101.29	65.90	203.06	414.13	3.498	1.521
9/30/2014	1.54	27.39	17.80	94.77	65.94	203.89	416.98	3.267	1.527
10/31/2014	1.49	26.73	17.91	94.45	65.99	204.71	419.90	3.338	1.532
11/30/2014	1.47	28.67	19.55	98.73	66.03	205.57	422.87	3.268	1.538
12/31/2014	1.46	22.84	15.61	94.52	66.08	206.28	425.80	3.878	1.545

Pattern: 02-17-006-22Inj Set: SourisHartneyUnit#1
 Oil Formation Vol Factor : 1.03000 m3/m3
 Water Formation Vol Factor : 1.00000 m3/m3
 Water / Oil Ratio : 89.41 m3/m3
 April 28, 2015
 Operator: Tundra_O&G_Prtshp
 Oil Rate (CD) : 0.29 m3/d
 Water Rate (CD) : 26.10 m3/d
 Water Inj Rate (CD) : 28.26 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 Replacemt Ratio
11/30/1962	1.08	0.02	0.02		0.03	0.00	0.00	0.000	0.000
12/31/1962	6.27	0.34	0.05		0.23	0.01	0.00	0.000	0.000
1/31/1963	5.17	0.28	0.05		0.39	0.02	0.00	0.000	0.000
2/28/1963	4.83	0.18	0.04		0.52	0.02	0.00	0.000	0.000
3/31/1963	4.79	0.24	0.05		0.67	0.03	0.00	0.000	0.000
4/30/1963	1.33	0.10	0.07		0.71	0.04	0.00	0.000	0.000
5/31/1963	2.05	0.06	0.03		0.77	0.04	0.00	0.000	0.000
6/30/1963	3.38	0.11	0.03		0.88	0.04	0.00	0.000	0.000
7/31/1963	4.04	0.21	0.05		1.00	0.05	0.00	0.000	0.000
8/31/1963	4.79	0.16	0.03		1.15	0.05	0.00	0.000	0.000
9/30/1963	10.32	1.59	0.15		1.46	0.10	0.00	0.000	0.000
10/31/1963	11.39	1.25	0.11		1.81	0.14	0.00	0.000	0.000
11/30/1963	10.31	2.07	0.20		2.12	0.20	0.00	0.000	0.000
12/31/1963	9.85	2.52	0.26		2.43	0.28	0.00	0.000	0.000
1/31/1964	5.39	0.60	0.11		2.59	0.30	0.00	0.000	0.000
2/29/1964	9.04	1.57	0.17		2.86	0.34	0.00	0.000	0.000
3/31/1964	8.25	1.95	0.24		3.11	0.40	0.00	0.000	0.000
4/30/1964	8.50	2.03	0.24		3.37	0.46	0.00	0.000	0.000
5/31/1964	8.02	1.28	0.16		3.62	0.50	0.00	0.000	0.000
6/30/1964	6.30	1.81	0.29		3.80	0.56	0.00	0.000	0.000
7/31/1964	6.89	1.44	0.21		4.02	0.60	0.00	0.000	0.000
8/31/1964	6.46	2.76	0.43		4.22	0.69	0.00	0.000	0.000
9/30/1964	6.00	2.27	0.38		4.40	0.76	0.00	0.000	0.000
10/31/1964	6.34	2.78	0.44		4.59	0.84	0.00	0.000	0.000
11/30/1964	5.95	1.47	0.25		4.77	0.89	0.00	0.000	0.000
12/31/1964	5.88	1.72	0.29		4.96	0.94	0.00	0.000	0.000
1/31/1965	6.66	1.35	0.20		5.16	0.98	0.00	0.000	0.000
2/28/1965	5.73	0.75	0.13		5.32	1.00	0.00	0.000	0.000
3/31/1965	5.82	1.38	0.24		5.50	1.05	0.00	0.000	0.000
4/30/1965	5.39	1.89	0.35		5.66	1.10	0.00	0.000	0.000
5/31/1965	6.24	2.01	0.32		5.86	1.16	0.00	0.000	0.000
6/30/1965	5.15	4.43	0.86		6.01	1.30	0.00	0.000	0.000
7/31/1965	5.39	1.22	0.23		6.18	1.34	0.00	0.000	0.000
8/31/1965	4.92	1.42	0.29		6.33	1.38	0.00	0.000	0.000
9/30/1965	5.63	1.96	0.35		6.50	1.44	0.00	0.000	0.000
10/31/1965	5.18	2.32	0.45		6.66	1.51	0.00	0.000	0.000
11/30/1965	5.02	3.44	0.69		6.81	1.61	0.00	0.000	0.000
12/31/1965	5.16	5.36	1.04		6.97	1.78	0.00	0.000	0.000
1/31/1966	5.05	4.10	0.81		7.13	1.91	0.00	0.000	0.000
2/28/1966	4.58	1.63	0.35		7.26	1.95	0.00	0.000	0.000
3/31/1966	4.61	2.69	0.58		7.40	2.04	0.00	0.000	0.000
4/30/1966	5.04	2.55	0.51		7.55	2.11	0.00	0.000	0.000
5/31/1966	5.32	3.29	0.62		7.72	2.21	0.00	0.000	0.000
6/30/1966	5.73	3.18	0.56		7.89	2.31	0.00	0.000	0.000
7/31/1966	6.29	1.81	0.29		8.08	2.37	0.00	0.000	0.000
8/31/1966	5.90	4.67	0.79		8.27	2.51	0.00	0.000	0.000
9/30/1966	5.59	5.26	0.94		8.43	2.67	0.00	0.000	0.000
10/31/1966	5.12	4.56	0.89		8.59	2.81	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
11/30/1966	5.51	5.26	0.95		8.76	2.97	0.00	0.000	0.000
12/31/1966	5.38	5.51	1.03		8.92	3.14	0.00	0.000	0.000
1/31/1967	5.26	5.25	1.00		9.09	3.30	0.00	0.000	0.000
2/28/1967	5.37	5.43	1.01		9.24	3.45	0.00	0.000	0.000
3/31/1967	5.09	5.42	1.07		9.40	3.62	0.00	0.000	0.000
4/30/1967	5.15	5.30	1.03		9.55	3.78	0.00	0.000	0.000
5/31/1967	5.08	5.08	1.00		9.71	3.94	0.00	0.000	0.000
6/30/1967	4.98	5.14	1.03		9.86	4.09	0.00	0.000	0.000
7/31/1967	5.10	5.27	1.03		10.01	4.26	0.00	0.000	0.000
8/31/1967	5.16	4.99	0.97		10.17	4.41	0.00	0.000	0.000
9/30/1967	5.03	4.79	0.95		10.33	4.55	0.00	0.000	0.000
10/31/1967	5.04	5.58	1.11		10.48	4.73	0.00	0.000	0.000
11/30/1967	7.06	5.30	0.75		10.69	4.89	0.00	0.000	0.000
12/31/1967	8.99	5.79	0.64		10.97	5.07	0.00	0.000	0.000
1/31/1968	8.28	5.39	0.65		11.23	5.23	0.00	0.000	0.000
2/29/1968	8.44	4.80	0.57		11.47	5.37	0.00	0.000	0.000
3/31/1968	8.47	5.19	0.61		11.74	5.53	0.00	0.000	0.000
4/30/1968	8.31	5.40	0.65		11.99	5.69	0.00	0.000	0.000
5/31/1968	8.67	4.42	0.51		12.25	5.83	0.00	0.000	0.000
6/30/1968	8.48	5.55	0.65		12.51	6.00	0.00	0.000	0.000
7/31/1968	8.25	5.23	0.63		12.76	6.16	0.00	0.000	0.000
8/31/1968	8.01	4.52	0.56		13.01	6.30	0.00	0.000	0.000
9/30/1968	7.94	4.65	0.59		13.25	6.44	0.00	0.000	0.000
10/31/1968	8.09	4.69	0.58		13.50	6.58	0.00	0.000	0.000
11/30/1968	7.22	3.87	0.54		13.72	6.70	0.00	0.000	0.000
12/31/1968	8.65	4.76	0.55		13.99	6.85	0.00	0.000	0.000
1/31/1969	8.31	4.57	0.55		14.24	6.99	0.00	0.000	0.000
2/28/1969	8.03	4.60	0.57		14.47	7.12	0.00	0.000	0.000
3/31/1969	8.09	4.88	0.60		14.72	7.27	0.00	0.000	0.000
4/30/1969	8.05	4.72	0.59		14.96	7.41	0.00	0.000	0.000
5/31/1969	7.25	4.55	0.63		15.19	7.55	0.00	0.000	0.000
6/30/1969	8.06	4.83	0.60		15.43	7.70	0.00	0.000	0.000
7/31/1969	7.78	5.66	0.73		15.67	7.87	0.00	0.000	0.000
8/31/1969	7.78	4.08	0.52		15.91	8.00	0.00	0.000	0.000
9/30/1969	7.96	4.99	0.63		16.15	8.15	0.00	0.000	0.000
10/31/1969	8.03	4.82	0.60		16.40	8.30	0.00	0.000	0.000
11/30/1969	8.03	5.64	0.70		16.64	8.47	0.00	0.000	0.000
12/31/1969	9.05	5.55	0.61		16.92	8.64	0.00	0.000	0.000
1/31/1970	6.83	5.58	0.82		17.13	8.81	0.00	0.000	0.000
2/28/1970	7.63	5.16	0.68		17.34	8.96	0.00	0.000	0.000
3/31/1970	8.06	5.01	0.62		17.59	9.11	0.00	0.000	0.000
4/30/1970	5.49	2.82	0.51		17.76	9.20	0.00	0.000	0.000
5/31/1970	6.60	4.46	0.68		17.96	9.34	0.00	0.000	0.000
6/30/1970	8.10	5.83	0.72		18.21	9.51	0.00	0.000	0.000
7/31/1970	8.11	5.60	0.69		18.46	9.68	0.00	0.000	0.000
8/31/1970	7.64	5.68	0.74		18.69	9.86	0.00	0.000	0.000
9/30/1970	7.88	5.56	0.71		18.93	10.03	0.00	0.000	0.000
10/31/1970	7.43	5.04	0.68		19.16	10.18	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
11/30/1970	7.90	4.90	0.62		19.40	10.33	0.00	0.000	0.000
12/31/1970	8.01	5.03	0.63		19.65	10.49	0.00	0.000	0.000
1/31/1971	7.76	5.26	0.68		19.89	10.65	0.00	0.000	0.000
2/28/1971	8.03	5.49	0.68		20.11	10.80	0.00	0.000	0.000
3/31/1971	7.25	5.50	0.76		20.34	10.97	0.00	0.000	0.000
4/30/1971	8.36	5.34	0.64		20.59	11.13	0.00	0.000	0.000
5/31/1971	7.73	5.20	0.67		20.83	11.29	0.00	0.000	0.000
6/30/1971	7.73	5.57	0.72		21.06	11.46	0.00	0.000	0.000
7/31/1971	7.70	4.96	0.64		21.30	11.62	0.00	0.000	0.000
8/31/1971	7.73	5.13	0.66		21.54	11.77	0.00	0.000	0.000
9/30/1971	7.01	4.56	0.65		21.75	11.91	0.00	0.000	0.000
10/31/1971	7.77	4.85	0.62		21.99	12.06	0.00	0.000	0.000
11/30/1971	7.50	4.98	0.66		22.21	12.21	0.00	0.000	0.000
12/31/1971	7.71	4.23	0.55		22.45	12.34	0.00	0.000	0.000
1/31/1972	7.49	4.26	0.57		22.69	12.47	0.00	0.000	0.000
2/29/1972	7.52	4.47	0.59		22.90	12.60	0.00	0.000	0.000
3/31/1972	7.39	4.30	0.58		23.13	12.74	0.00	0.000	0.000
4/30/1972	7.19	5.53	0.77		23.35	12.90	0.00	0.000	0.000
5/31/1972	7.24	4.30	0.59		23.57	13.04	0.00	0.000	0.000
6/30/1972	7.47	5.31	0.71		23.80	13.20	0.00	0.000	0.000
7/31/1972	7.20	5.07	0.70		24.02	13.35	0.00	0.000	0.000
8/31/1972	7.64	5.23	0.68		24.26	13.51	0.00	0.000	0.000
9/30/1972	7.26	5.20	0.72		24.47	13.67	0.00	0.000	0.000
10/31/1972	7.34	5.19	0.71		24.70	13.83	0.00	0.000	0.000
11/30/1972	7.20	5.20	0.72		24.92	13.99	0.00	0.000	0.000
12/31/1972	7.20	5.29	0.73		25.14	14.15	0.00	0.000	0.000
1/31/1973	7.07	5.05	0.71		25.36	14.31	0.00	0.000	0.000
2/28/1973	6.93	5.17	0.75		25.55	14.45	0.00	0.000	0.000
3/31/1973	6.87	5.18	0.75		25.77	14.61	0.00	0.000	0.000
4/30/1973	7.03	5.44	0.77		25.98	14.78	0.00	0.000	0.000
5/31/1973	6.08	4.73	0.78		26.17	14.92	0.00	0.000	0.000
6/30/1973	6.42	5.50	0.86		26.36	15.09	0.00	0.000	0.000
7/31/1973	6.58	6.00	0.91		26.56	15.27	0.00	0.000	0.000
8/31/1973	6.35	5.54	0.87		26.76	15.45	0.00	0.000	0.000
9/30/1973	6.32	5.59	0.89		26.95	15.61	0.00	0.000	0.000
10/31/1973	6.04	5.47	0.91		27.14	15.78	0.00	0.000	0.000
11/30/1973	6.25	6.22	1.00		27.32	15.97	0.00	0.000	0.000
12/31/1973	6.63	6.67	1.01		27.53	16.18	0.00	0.000	0.000
1/31/1974	6.36	6.89	1.08		27.73	16.39	0.00	0.000	0.000
2/28/1974	6.15	6.95	1.13		27.90	16.58	0.00	0.000	0.000
3/31/1974	6.14	7.34	1.20		28.09	16.81	0.00	0.000	0.000
4/30/1974	6.07	6.99	1.15		28.27	17.02	0.00	0.000	0.000
5/31/1974	6.08	6.67	1.10		28.46	17.23	0.00	0.000	0.000
6/30/1974	5.97	6.72	1.13		28.64	17.43	0.00	0.000	0.000
7/31/1974	4.33	5.30	1.22		28.77	17.59	0.00	0.000	0.000
8/31/1974	6.71	6.38	0.95		28.98	17.79	0.00	0.000	0.000
9/30/1974	6.20	6.35	1.02		29.17	17.98	0.00	0.000	0.000
10/31/1974	6.12	6.35	1.04		29.36	18.18	0.00	0.000	0.000

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11/30/1974	6.12	7.65	1.25		29.54	18.41	0.00	0.000	0.000
12/31/1974	5.82	7.02	1.21		29.72	18.63	0.00	0.000	0.000
1/31/1975	5.75	6.87	1.19		29.90	18.84	0.00	0.000	0.000
2/28/1975	5.85	6.97	1.19		30.06	19.03	0.00	0.000	0.000
3/31/1975	5.73	6.87	1.20		30.24	19.25	0.00	0.000	0.000
4/30/1975	5.65	6.66	1.18		30.41	19.45	0.00	0.000	0.000
5/31/1975	5.79	6.43	1.11		30.59	19.65	0.00	0.000	0.000
6/30/1975	5.65	6.10	1.08		30.76	19.83	0.00	0.000	0.000
7/31/1975	5.63	5.86	1.04		30.93	20.01	0.00	0.000	0.000
8/31/1975	5.63	5.50	0.98		31.11	20.18	0.00	0.000	0.000
9/30/1975	5.61	6.13	1.09		31.28	20.37	0.00	0.000	0.000
10/31/1975	5.79	5.61	0.97		31.46	20.54	0.00	0.000	0.000
11/30/1975	5.50	5.82	1.06		31.62	20.71	0.00	0.000	0.000
12/31/1975	5.50	5.31	0.97		31.79	20.88	0.00	0.000	0.000
1/31/1976	5.37	5.14	0.96		31.96	21.04	0.00	0.000	0.000
2/29/1976	5.45	4.79	0.88		32.12	21.18	0.00	0.000	0.000
3/31/1976	5.56	4.86	0.87		32.29	21.33	0.00	0.000	0.000
4/30/1976	2.78	2.53	0.91		32.37	21.40	0.00	0.000	0.000
5/31/1976	6.42	8.31	1.29		32.57	21.66	0.00	0.000	0.000
6/30/1976	5.49	7.15	1.30		32.74	21.88	0.00	0.000	0.000
7/31/1976	6.64	5.85	0.88		32.94	22.06	0.00	0.000	0.000
8/31/1976	5.63	5.28	0.94		33.12	22.22	0.00	0.000	0.000
9/30/1976	4.55	6.79	1.49		33.25	22.42	0.00	0.000	0.000
10/31/1976	4.22	6.07	1.44		33.38	22.61	0.00	0.000	0.000
11/30/1976	4.42	7.11	1.61		33.52	22.83	0.00	0.000	0.000
12/31/1976	4.43	6.85	1.55		33.65	23.04	0.00	0.000	0.000
1/31/1977	4.29	6.94	1.62		33.79	23.25	0.00	0.000	0.000
2/28/1977	4.50	6.72	1.49		33.91	23.44	0.00	0.000	0.000
3/31/1977	4.35	6.66	1.53		34.05	23.65	0.00	0.000	0.000
4/30/1977	4.68	6.57	1.40		34.19	23.84	0.00	0.000	0.000
5/31/1977	4.18	6.26	1.50		34.32	24.04	0.00	0.000	0.000
6/30/1977	4.87	6.73	1.38		34.46	24.24	0.00	0.000	0.000
7/31/1977	4.13	4.91	1.19		34.59	24.39	0.00	0.000	0.000
8/31/1977	4.59	6.89	1.50		34.73	24.61	0.00	0.000	0.000
9/30/1977	4.38	6.69	1.53		34.87	24.81	0.00	0.000	0.000
10/31/1977	4.52	7.03	1.55		35.01	25.03	0.00	0.000	0.000
11/30/1977	4.36	7.03	1.61		35.14	25.24	0.00	0.000	0.000
12/31/1977	4.44	7.10	1.60		35.27	25.46	0.00	0.000	0.000
1/31/1978	4.08	7.22	1.77		35.40	25.68	0.00	0.000	0.000
2/28/1978	4.63	7.47	1.61		35.53	25.89	0.00	0.000	0.000
3/31/1978	4.06	6.26	1.54		35.66	26.08	0.00	0.000	0.000
4/30/1978	4.75	6.77	1.43		35.80	26.29	0.00	0.000	0.000
5/31/1978	4.11	5.85	1.42		35.93	26.47	0.00	0.000	0.000
6/30/1978	4.63	7.09	1.53		36.06	26.68	0.00	0.000	0.000
7/31/1978	3.89	4.59	1.18		36.19	26.82	0.00	0.000	0.000
8/31/1978	4.85	7.05	1.45		36.34	27.04	0.00	0.000	0.000
9/30/1978	4.37	7.18	1.64		36.47	27.26	0.00	0.000	0.000
10/31/1978	4.59	7.00	1.52		36.61	27.47	0.00	0.000	0.000

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11/30/1978	4.44	6.86	1.54		36.74	27.68	0.00	0.000	0.000
12/31/1978	4.34	6.54	1.51		36.88	27.88	0.00	0.000	0.000
1/31/1979	4.49	7.12	1.58		37.02	28.10	0.00	0.000	0.000
2/28/1979	4.59	7.20	1.57		37.14	28.30	0.00	0.000	0.000
3/31/1979	4.55	6.51	1.43		37.29	28.51	0.00	0.000	0.000
4/30/1979	3.25	4.93	1.52		37.38	28.65	0.00	0.000	0.000
5/31/1979	4.16	5.86	1.41		37.51	28.84	0.00	0.000	0.000
6/30/1979	3.85	5.21	1.35		37.63	28.99	0.00	0.000	0.000
7/31/1979	4.10	6.94	1.69		37.75	29.21	0.00	0.000	0.000
8/31/1979	4.59	6.94	1.51		37.90	29.42	0.00	0.000	0.000
9/30/1979	3.96	6.89	1.74		38.02	29.63	0.00	0.000	0.000
10/31/1979	4.23	6.52	1.54		38.15	29.83	0.00	0.000	0.000
11/30/1979	4.47	6.51	1.46		38.28	30.03	0.00	0.000	0.000
12/31/1979	4.15	6.17	1.48		38.41	30.22	0.00	0.000	0.000
1/31/1980	4.64	8.77	1.89		38.55	30.49	0.00	0.000	0.000
2/29/1980	4.44	7.99	1.80		38.68	30.72	0.00	0.000	0.000
3/31/1980	4.17	6.91	1.66		38.81	30.93	0.00	0.000	0.000
4/30/1980	4.28	7.16	1.67		38.94	31.15	0.00	0.000	0.000
5/31/1980	4.20	6.97	1.66		39.07	31.37	0.00	0.000	0.000
6/30/1980	3.93	7.53	1.92		39.19	31.59	0.00	0.000	0.000
7/31/1980	4.12	6.78	1.65		39.32	31.80	0.00	0.000	0.000
8/31/1980	3.59	6.26	1.74		39.43	32.00	0.00	0.000	0.000
9/30/1980	4.15	6.94	1.67		39.55	32.20	0.00	0.000	0.000
10/31/1980	4.14	5.42	1.31		39.68	32.37	0.00	0.000	0.000
11/30/1980	4.11	6.58	1.60		39.80	32.57	0.00	0.000	0.000
12/31/1980	3.83	6.46	1.69		39.92	32.77	0.00	0.000	0.000
1/31/1981	3.89	6.52	1.68		40.04	32.97	0.00	0.000	0.000
2/28/1981	3.90	6.55	1.68		40.15	33.16	0.00	0.000	0.000
3/31/1981	3.87	6.50	1.68		40.27	33.36	0.00	0.000	0.000
4/30/1981	3.42	6.44	1.88		40.37	33.55	0.00	0.000	0.000
5/31/1981	3.81	6.21	1.63		40.49	33.74	0.00	0.000	0.000
6/30/1981	3.60	6.20	1.72		40.60	33.93	0.00	0.000	0.000
7/31/1981	3.79	6.95	1.83		40.72	34.14	0.00	0.000	0.000
8/31/1981	2.93	6.12	2.09		40.81	34.33	0.00	0.000	0.000
9/30/1981	4.72	10.90	2.31		40.95	34.66	0.00	0.000	0.000
10/31/1981	4.63	6.17	1.33		41.09	34.85	0.00	0.000	0.000
11/30/1981	4.54	6.24	1.37		41.23	35.04	0.00	0.000	0.000
12/31/1981	4.32	7.56	1.75		41.36	35.27	0.00	0.000	0.000
1/31/1982	3.92	6.25	1.59		41.48	35.47	0.00	0.000	0.000
2/28/1982	3.73	8.13	2.18		41.59	35.70	0.00	0.000	0.000
3/31/1982	4.07	6.19	1.52		41.72	35.89	0.00	0.000	0.000
4/30/1982	3.63	5.78	1.59		41.82	36.06	0.00	0.000	0.000
5/31/1982	3.13	5.21	1.66		41.92	36.22	0.00	0.000	0.000
6/30/1982	3.99	5.89	1.48		42.04	36.40	0.00	0.000	0.000
7/31/1982	3.94	5.76	1.46		42.16	36.58	0.00	0.000	0.000
8/31/1982	2.61	5.68	2.18		42.24	36.75	0.00	0.000	0.000
9/30/1982	2.88	10.35	3.59		42.33	37.06	0.00	0.000	0.000
10/31/1982	2.19	5.06	2.31		42.40	37.22	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
11/30/1982	3.18	8.87	2.79		42.49	37.49	0.00	0.000	0.000
12/31/1982	2.95	8.75	2.97		42.59	37.76	0.00	0.000	0.000
1/31/1983	3.08	7.69	2.50		42.68	38.00	0.00	0.000	0.000
2/28/1983	2.59	4.30	1.66		42.75	38.12	0.00	0.000	0.000
3/31/1983	2.31	4.08	1.77		42.83	38.24	0.00	0.000	0.000
4/30/1983	3.51	6.80	1.94		42.93	38.45	0.00	0.000	0.000
5/31/1983	3.03	6.93	2.29		43.02	38.66	0.00	0.000	0.000
6/30/1983	3.59	8.12	2.26		43.13	38.91	0.00	0.000	0.000
7/31/1983	3.89	12.15	3.12		43.25	39.28	0.00	0.000	0.000
8/31/1983	3.78	12.41	3.28		43.37	39.67	0.00	0.000	0.000
9/30/1983	3.51	12.20	3.48		43.48	40.03	0.00	0.000	0.000
10/31/1983	2.64	9.58	3.63		43.56	40.33	0.00	0.000	0.000
11/30/1983	3.65	7.02	1.92		43.67	40.54	0.00	0.000	0.000
12/31/1983	1.26	3.58	2.84		43.71	40.65	0.00	0.000	0.000
1/31/1984	4.03	10.10	2.51		43.83	40.96	0.00	0.000	0.000
2/29/1984	3.81	9.39	2.46		43.94	41.24	0.00	0.000	0.000
3/31/1984	3.68	9.27	2.52		44.06	41.52	0.00	0.000	0.000
4/30/1984	2.39	6.25	2.61		44.13	41.71	0.00	0.000	0.000
5/31/1984	3.79	10.87	2.87		44.24	42.05	0.00	0.000	0.000
6/30/1984	3.27	8.55	2.61		44.34	42.31	0.00	0.000	0.000
7/31/1984	3.78	12.29	3.25		44.46	42.69	0.00	0.000	0.000
8/31/1984	2.38	9.82	4.13		44.53	42.99	0.00	0.000	0.000
9/30/1984	1.87	7.12	3.80		44.59	43.20	0.00	0.000	0.000
10/31/1984	4.11	9.63	2.34		44.72	43.50	0.00	0.000	0.000
11/30/1984	3.87	10.28	2.65		44.83	43.81	0.00	0.000	0.000
12/31/1984	2.42	5.44	2.25		44.91	43.98	0.00	0.000	0.000
1/31/1985	2.55	6.45	2.54		44.99	44.18	0.00	0.000	0.000
2/28/1985	3.42	8.71	2.54		45.08	44.42	0.00	0.000	0.000
3/31/1985	2.92	7.23	2.48		45.17	44.65	0.00	0.000	0.000
4/30/1985	2.85	7.25	2.54		45.26	44.87	0.00	0.000	0.000
5/31/1985	3.42	9.58	2.80		45.37	45.16	0.00	0.000	0.000
6/30/1985	3.01	8.98	2.99		45.46	45.43	0.00	0.000	0.000
7/31/1985	3.43	9.54	2.78		45.56	45.73	0.00	0.000	0.000
8/31/1985	2.10	6.44	3.07		45.63	45.93	0.00	0.000	0.000
9/30/1985	3.01	8.68	2.88		45.72	46.19	0.00	0.000	0.000
10/31/1985	3.35	10.01	2.99		45.82	46.50	0.00	0.000	0.000
11/30/1985	2.51	5.54	2.21		45.90	46.66	0.00	0.000	0.000
12/31/1985	3.56	8.00	2.24		46.01	46.91	0.00	0.000	0.000
1/31/1986	3.34	7.34	2.20		46.11	47.14	0.00	0.000	0.000
2/28/1986	3.49	7.25	2.08		46.21	47.34	0.00	0.000	0.000
3/31/1986	2.83	6.68	2.36		46.30	47.55	0.00	0.000	0.000
4/30/1986	3.05	7.45	2.44		46.39	47.77	0.00	0.000	0.000
5/31/1986	3.20	7.81	2.44		46.49	48.01	0.00	0.000	0.000
6/30/1986	3.46	9.25	2.67		46.59	48.29	0.00	0.000	0.000
7/31/1986	3.16	7.33	2.32		46.69	48.52	0.00	0.000	0.000
8/31/1986	3.28	7.89	2.41		46.79	48.76	0.00	0.000	0.000
9/30/1986	3.66	8.95	2.45		46.90	49.03	0.00	0.000	0.000
10/31/1986	3.01	7.53	2.51		46.99	49.27	0.00	0.000	0.000

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11/30/1986	3.70	8.02	2.17		47.10	49.51	0.00	0.000	0.000
12/31/1986	3.51	9.21	2.63		47.21	49.79	0.00	0.000	0.000
1/31/1987	3.43	7.07	2.06		47.32	50.01	0.00	0.000	0.000
2/28/1987	3.50	8.38	2.40		47.42	50.25	0.00	0.000	0.000
3/31/1987	3.37	7.79	2.31		47.52	50.49	0.00	0.000	0.000
4/30/1987	3.05	6.70	2.20		47.61	50.69	0.00	0.000	0.000
5/31/1987	3.38	7.74	2.29		47.72	50.93	0.00	0.000	0.000
6/30/1987	3.18	7.68	2.42		47.81	51.16	0.00	0.000	0.000
7/31/1987	3.26	8.68	2.66		47.91	51.43	0.00	0.000	0.000
8/31/1987	3.11	7.75	2.50		48.01	51.67	0.00	0.000	0.000
9/30/1987	1.38	6.23	4.51		48.05	51.86	0.00	0.000	0.000
10/31/1987	1.65	7.95	4.82		48.10	52.10	0.00	0.000	0.000
11/30/1987	3.49	11.12	3.18		48.21	52.44	0.00	0.000	0.000
12/31/1987	3.38	8.70	2.57		48.31	52.70	0.00	0.000	0.000
1/31/1988	3.31	8.49	2.57		48.41	52.97	0.00	0.000	0.000
2/29/1988	3.17	8.03	2.53		48.51	53.20	0.00	0.000	0.000
3/31/1988	3.19	8.24	2.59		48.61	53.46	0.00	0.000	0.000
4/30/1988	2.26	3.98	1.76		48.67	53.58	0.00	0.000	0.000
5/31/1988	2.79	8.28	2.96		48.76	53.83	0.00	0.000	0.000
6/30/1988	2.59	9.24	3.57		48.84	54.11	0.00	0.000	0.000
7/31/1988	2.97	9.11	3.07		48.93	54.39	0.00	0.000	0.000
8/31/1988	2.51	8.39	3.35		49.01	54.65	0.00	0.000	0.000
9/30/1988	2.92	8.51	2.92		49.09	54.91	0.00	0.000	0.000
10/31/1988	2.44	8.99	3.69		49.17	55.19	0.00	0.000	0.000
11/30/1988	2.65	9.89	3.73		49.25	55.48	0.00	0.000	0.000
12/31/1988	2.64	9.60	3.64		49.33	55.78	0.00	0.000	0.000
1/31/1989	2.89	9.16	3.17		49.42	56.06	0.00	0.000	0.000
2/28/1989	2.80	8.39	2.99		49.50	56.30	0.00	0.000	0.000
3/31/1989	2.92	8.55	2.92		49.59	56.56	0.00	0.000	0.000
4/30/1989	2.63	7.60	2.89		49.67	56.79	0.00	0.000	0.000
5/31/1989	3.05	10.23	3.35		49.76	57.11	0.00	0.000	0.000
6/30/1989	2.61	10.44	4.00		49.84	57.42	0.00	0.000	0.000
7/31/1989	2.67	10.72	4.02		49.92	57.76	0.00	0.000	0.000
8/31/1989	2.52	11.49	4.56		50.00	58.11	0.00	0.000	0.000
9/30/1989	2.61	11.51	4.40		50.08	58.46	0.00	0.000	0.000
10/31/1989	2.55	8.52	3.34		50.16	58.72	0.00	0.000	0.000
11/30/1989	2.87	10.72	3.74		50.25	59.04	0.00	0.000	0.000
12/31/1989	2.75	10.72	3.90		50.33	59.37	0.00	0.000	0.000
1/31/1990	2.82	6.62	2.35		50.42	59.58	0.00	0.000	0.000
2/28/1990	2.79	12.24	4.39		50.50	59.92	0.00	0.000	0.000
3/31/1990	2.68	10.25	3.83		50.58	60.24	0.00	0.000	0.000
4/30/1990	2.40	8.63	3.60		50.65	60.50	0.00	0.000	0.000
5/31/1990	2.73	10.65	3.90		50.74	60.83	0.00	0.000	0.000
6/30/1990	2.41	9.81	4.07		50.81	61.12	0.00	0.000	0.000
7/31/1990	2.68	11.41	4.26		50.89	61.48	0.00	0.000	0.000
8/31/1990	2.70	11.55	4.27		50.98	61.84	0.00	0.000	0.000
9/30/1990	2.54	11.80	4.64		51.05	62.19	0.00	0.000	0.000
10/31/1990	2.06	8.09	3.93		51.12	62.44	0.00	0.000	0.000

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11/30/1990	2.35	13.50	5.75		51.19	62.84	0.00	0.000	0.000
12/31/1990	2.45	13.00	5.32		51.26	63.25	0.00	0.000	0.000
1/31/1991	2.55	13.62	5.34		51.34	63.67	0.00	0.000	0.000
2/28/1991	2.50	13.80	5.52		51.41	64.06	0.00	0.000	0.000
3/31/1991	2.49	12.44	4.99		51.49	64.44	0.00	0.000	0.000
4/30/1991	2.38	12.35	5.19		51.56	64.81	0.00	0.000	0.000
5/31/1991	2.16	9.73	4.50		51.63	65.11	0.00	0.000	0.000
6/30/1991	2.50	12.32	4.93		51.70	65.48	0.00	0.000	0.000
7/31/1991	2.41	12.27	5.09		51.78	65.86	0.00	0.000	0.000
8/31/1991	2.15	12.24	5.70		51.84	66.24	0.00	0.000	0.000
9/30/1991	2.48	11.35	4.58		51.92	66.58	0.00	0.000	0.000
10/31/1991	2.33	12.56	5.39		51.99	66.97	0.00	0.000	0.000
11/30/1991	2.21	13.14	5.95		52.06	67.37	0.00	0.000	0.000
12/31/1991	2.38	12.92	5.42		52.13	67.77	0.00	0.000	0.000
1/31/1992	2.47	12.85	5.21		52.21	68.17	0.00	0.000	0.000
2/29/1992	2.22	12.09	5.45		52.27	68.52	0.00	0.000	0.000
3/31/1992	2.46	13.36	5.44		52.35	68.93	0.00	0.000	0.000
4/30/1992	2.27	11.97	5.27		52.41	69.29	0.00	0.000	0.000
5/31/1992	2.15	8.39	3.91		52.48	69.55	0.00	0.000	0.000
6/30/1992	2.30	12.87	5.60		52.55	69.94	0.00	0.000	0.000
7/31/1992	2.28	9.27	4.06		52.62	70.22	0.00	0.000	0.000
8/31/1992	2.22	8.05	3.63		52.69	70.47	0.00	0.000	0.000
9/30/1992	2.17	8.43	3.89		52.75	70.73	0.00	0.000	0.000
10/31/1992	2.39	9.37	3.92		52.83	71.02	0.00	0.000	0.000
11/30/1992	2.18	6.52	2.99		52.89	71.21	0.00	0.000	0.000
12/31/1992	2.52	8.98	3.57		52.97	71.49	0.00	0.000	0.000
1/31/1993	2.50	8.23	3.30		53.05	71.75	0.00	0.000	0.000
2/28/1993	2.54	8.78	3.46		53.12	71.99	0.00	0.000	0.000
3/31/1993	2.39	8.72	3.65		53.19	72.26	0.00	0.000	0.000
4/30/1993	2.08	7.51	3.61		53.26	72.49	0.00	0.000	0.000
5/31/1993	2.08	8.69	4.18		53.32	72.76	0.00	0.000	0.000
6/30/1993	2.09	9.11	4.35		53.38	73.03	0.00	0.000	0.000
7/31/1993	2.13	9.33	4.39		53.45	73.32	0.00	0.000	0.000
8/31/1993	1.99	8.93	4.50		53.51	73.60	0.00	0.000	0.000
9/30/1993	2.10	10.30	4.90		53.57	73.91	0.00	0.000	0.000
10/31/1993	1.80	10.18	5.67		53.63	74.22	0.00	0.000	0.000
11/30/1993	7.54	13.04	1.73		53.86	74.61	0.00	0.000	0.000
12/31/1993	6.91	17.34	2.51		54.07	75.15	0.00	0.000	0.000
1/31/1994	6.65	16.07	2.42		54.28	75.65	0.00	0.000	0.000
2/28/1994	5.73	13.58	2.37		54.44	76.03	0.00	0.000	0.000
3/31/1994	4.15	11.78	2.84		54.57	76.39	0.00	0.000	0.000
4/30/1994	3.36	12.20	3.63		54.67	76.76	0.00	0.000	0.000
5/31/1994	4.60	13.28	2.89		54.81	77.17	0.00	0.000	0.000
6/30/1994	2.66	10.61	3.99		54.89	77.49	0.00	0.000	0.000
7/31/1994	5.92	11.95	2.02		55.07	77.86	0.00	0.000	0.000
8/31/1994	5.69	13.15	2.31		55.25	78.27	0.00	0.000	0.000
9/30/1994	9.17	17.64	1.92		55.52	78.80	0.00	0.000	0.000
10/31/1994	8.40	16.03	1.91		55.78	79.29	0.00	0.000	0.000

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11/30/1994	8.73	16.73	1.92		56.05	79.79	0.00	0.000	0.000
12/31/1994	7.86	15.61	1.98		56.29	80.28	0.00	0.000	0.000
1/31/1995	7.73	15.84	2.05		56.53	80.77	0.00	0.000	0.000
2/28/1995	7.52	15.58	2.07		56.74	81.21	0.00	0.000	0.000
3/31/1995	7.36	15.76	2.14		56.97	81.69	0.00	0.000	0.000
4/30/1995	7.22	16.10	2.23		57.19	82.18	0.00	0.000	0.000
5/31/1995	7.24	14.70	2.03		57.41	82.63	0.00	0.000	0.000
6/30/1995	7.15	14.97	2.09		57.62	83.08	0.00	0.000	0.000
7/31/1995	7.24	14.81	2.05		57.85	83.54	0.00	0.000	0.000
8/31/1995	6.82	13.43	1.97		58.06	83.96	0.00	0.000	0.000
9/30/1995	7.17	15.20	2.12		58.28	84.41	0.00	0.000	0.000
10/31/1995	6.88	15.54	2.26		58.49	84.90	0.00	0.000	0.000
11/30/1995	6.71	15.76	2.35		58.69	85.37	0.00	0.000	0.000
12/31/1995	6.59	15.34	2.33		58.89	85.84	0.00	0.000	0.000
1/31/1996	6.43	15.75	2.45		59.09	86.33	0.00	0.000	0.000
2/29/1996	6.42	15.66	2.44		59.28	86.79	0.00	0.000	0.000
3/31/1996	6.49	16.46	2.54		59.48	87.30	0.00	0.000	0.000
4/30/1996	6.22	9.74	1.56		59.67	87.59	0.00	0.000	0.000
5/31/1996	6.27	13.02	2.08		59.86	87.99	0.00	0.000	0.000
6/30/1996	5.53	12.37	2.24		60.03	88.36	0.00	0.000	0.000
7/31/1996	5.64	13.72	2.43		60.20	88.79	0.00	0.000	0.000
8/31/1996	6.11	18.75	3.07		60.39	89.37	0.00	0.000	0.000
9/30/1996	6.17	18.71	3.04		60.58	89.93	0.00	0.000	0.000
10/31/1996	6.14	19.17	3.12		60.77	90.53	0.00	0.000	0.000
11/30/1996	6.10	19.01	3.12		60.95	91.10	0.00	0.000	0.000
12/31/1996	6.18	19.22	3.11		61.14	91.69	0.00	0.000	0.000
1/31/1997	5.18	18.10	3.49		61.30	92.25	0.00	0.000	0.000
2/28/1997	5.95	19.06	3.20		61.47	92.79	0.00	0.000	0.000
3/31/1997	5.67	19.11	3.37		61.65	93.38	0.00	0.000	0.000
4/30/1997	6.85	24.44	3.57		61.85	94.11	0.00	0.000	0.000
5/31/1997	7.02	27.96	3.98		62.07	94.98	0.00	0.000	0.000
6/30/1997	7.38	26.11	3.54		62.29	95.76	0.00	0.000	0.000
7/31/1997	7.21	24.66	3.42		62.51	96.53	0.00	0.000	0.000
8/31/1997	7.01	18.72	2.67		62.73	97.11	0.00	0.000	0.000
9/30/1997	7.11	19.69	2.77		62.94	97.70	0.00	0.000	0.000
10/31/1997	6.37	19.20	3.01		63.14	98.29	0.00	0.000	0.000
11/30/1997	7.13	19.50	2.73		63.36	98.88	0.00	0.000	0.000
12/31/1997	6.92	19.96	2.89		63.57	99.50	0.00	0.000	0.000
1/31/1998	6.74	20.16	2.99		63.78	100.12	0.00	0.000	0.000
2/28/1998	6.67	19.38	2.91		63.97	100.67	0.00	0.000	0.000
3/31/1998	6.46	18.14	2.81		64.17	101.23	0.00	0.000	0.000
4/30/1998	6.27	19.16	3.06		64.35	101.80	0.00	0.000	0.000
5/31/1998	6.15	37.46	6.09		64.55	102.96	0.00	0.000	0.000
6/30/1998	6.03	19.84	3.29		64.73	103.56	0.00	0.000	0.000
7/31/1998	5.89	20.90	3.55		64.91	104.21	0.00	0.000	0.000
8/31/1998	5.82	19.55	3.36		65.09	104.81	0.00	0.000	0.000
9/30/1998	5.61	20.09	3.58		65.26	105.42	0.00	0.000	0.000
10/31/1998	5.56	19.76	3.56		65.43	106.03	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemnt Ratio
11/30/1998	5.37	20.66	3.85		65.59	106.65	0.00	0.000	0.000
12/31/1998	5.09	22.11	4.35		65.75	107.33	0.00	0.000	0.000
1/31/1999	4.77	22.33	4.68		65.90	108.03	0.00	0.000	0.000
2/28/1999	4.95	25.60	5.18		66.03	108.74	0.00	0.000	0.000
3/31/1999	9.08	38.17	4.20		66.32	109.93	0.00	0.000	0.000
4/30/1999	8.99	43.84	4.88		66.59	111.24	0.00	0.000	0.000
5/31/1999	7.03	41.08	5.84		66.80	112.51	0.00	0.000	0.000
6/30/1999	5.86	39.39	6.73		66.98	113.70	0.00	0.000	0.000
7/31/1999	5.46	41.57	7.61		67.15	114.99	0.00	0.000	0.000
8/31/1999	4.98	39.76	7.98		67.30	116.22	0.00	0.000	0.000
9/30/1999	5.13	40.45	7.88		67.46	117.43	0.00	0.000	0.000
10/31/1999	4.89	40.15	8.22		67.61	118.68	0.00	0.000	0.000
11/30/1999	4.26	24.32	5.70		67.74	119.41	0.00	0.000	0.000
12/31/1999	4.82	45.43	9.42		67.89	120.81	0.00	0.000	0.000
1/31/2000	4.90	48.87	9.98		68.04	122.33	0.00	0.000	0.000
2/29/2000	4.73	49.51	10.48		68.17	123.76	0.00	0.000	0.000
3/31/2000	4.65	50.44	10.84		68.32	125.33	0.00	0.000	0.000
4/30/2000	4.26	49.75	11.68		68.45	126.82	0.00	0.000	0.000
5/31/2000	4.40	50.99	11.58		68.58	128.40	0.00	0.000	0.000
6/30/2000	4.66	56.83	12.21		68.72	130.11	0.00	0.000	0.000
7/31/2000	4.45	52.24	11.75		68.86	131.73	0.00	0.000	0.000
8/31/2000	4.65	52.03	11.19		69.00	133.34	0.00	0.000	0.000
9/30/2000	4.45	50.41	11.33		69.14	134.85	0.00	0.000	0.000
10/31/2000	4.09	46.54	11.38		69.27	136.29	0.00	0.000	0.000
11/30/2000	3.99	46.75	11.72	2.07	69.38	137.70	0.06	0.041	0.000
12/31/2000	4.09	47.12	11.53	24.90	69.51	139.16	0.83	0.484	0.004
1/31/2001	4.46	47.12	10.57	27.39	69.65	140.62	1.68	0.529	0.008
2/28/2001	4.39	50.58	11.53	35.21	69.77	142.03	2.67	0.638	0.012
3/31/2001	4.32	50.67	11.74	32.74	69.91	143.60	3.68	0.593	0.017
4/30/2001	4.39	51.22	11.68	36.83	70.04	145.14	4.79	0.660	0.022
5/31/2001	4.24	51.18	12.06	37.06	70.17	146.73	5.94	0.666	0.027
6/30/2001	3.77	51.63	13.70	36.30	70.28	148.28	7.03	0.653	0.032
7/31/2001	4.09	50.83	12.42	35.87	70.41	149.85	8.14	0.651	0.036
8/31/2001	4.15	51.24	12.35	35.39	70.54	151.44	9.24	0.636	0.041
9/30/2001	4.01	53.25	13.28	30.87	70.66	153.04	10.16	0.537	0.045
10/31/2001	3.98	53.58	13.46	26.42	70.78	154.70	10.98	0.457	0.048
11/30/2001	3.81	51.40	13.51	26.80	70.90	156.24	11.79	0.484	0.051
12/31/2001	3.61	51.48	14.26	27.06	71.01	157.84	12.62	0.490	0.054
1/31/2002	3.44	50.89	14.78	27.52	71.11	159.41	13.48	0.505	0.058
2/28/2002	3.38	48.83	14.47	26.18	71.21	160.78	14.21	0.500	0.060
3/31/2002	3.29	49.08	14.94	28.68	71.31	162.30	15.10	0.546	0.064
4/30/2002	3.24	50.85	15.70	37.13	71.41	163.83	16.21	0.684	0.068
5/31/2002	3.07	51.24	16.68	40.26	71.50	165.42	17.46	0.739	0.073
6/30/2002	3.08	51.49	16.71	38.03	71.60	166.96	18.60	0.695	0.077
7/31/2002	3.07	54.04	17.58	37.29	71.69	168.64	19.76	0.651	0.081
8/31/2002	2.93	54.17	18.50	37.71	71.78	170.32	20.93	0.659	0.085
9/30/2002	2.97	53.52	18.04	37.90	71.87	171.92	22.06	0.669	0.089
10/31/2002	2.97	53.37	17.99	39.26	71.96	173.58	23.28	0.695	0.093

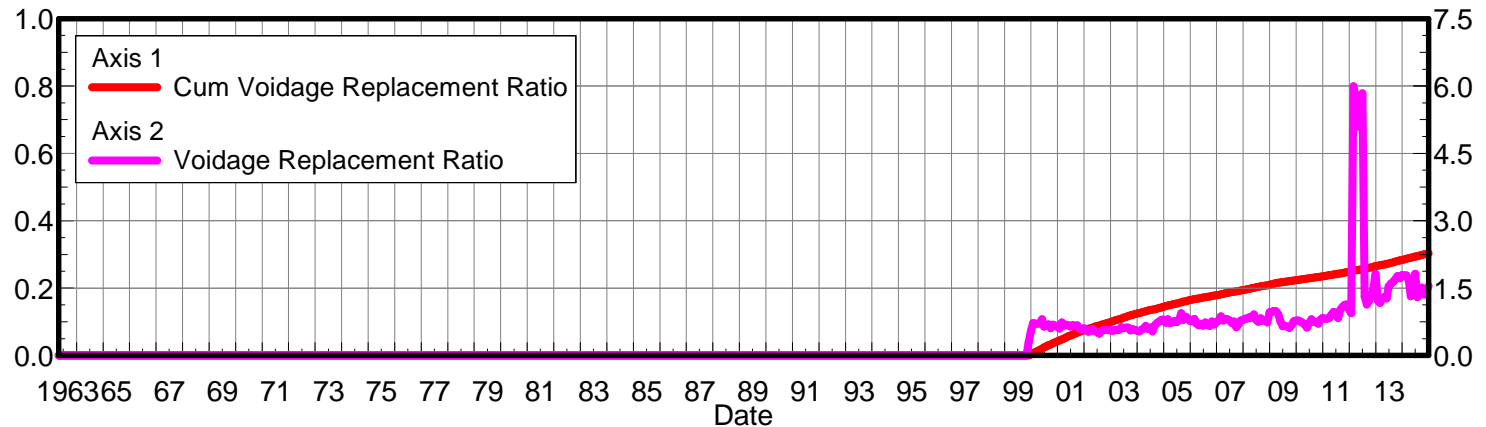
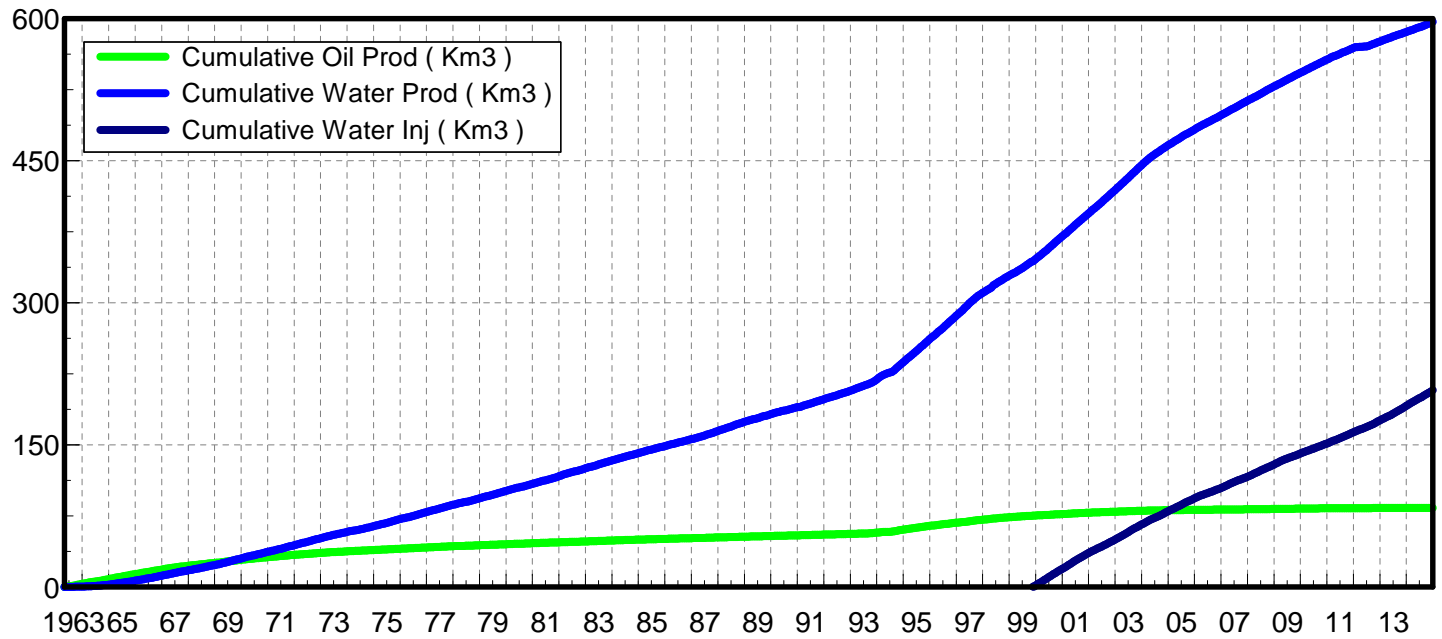
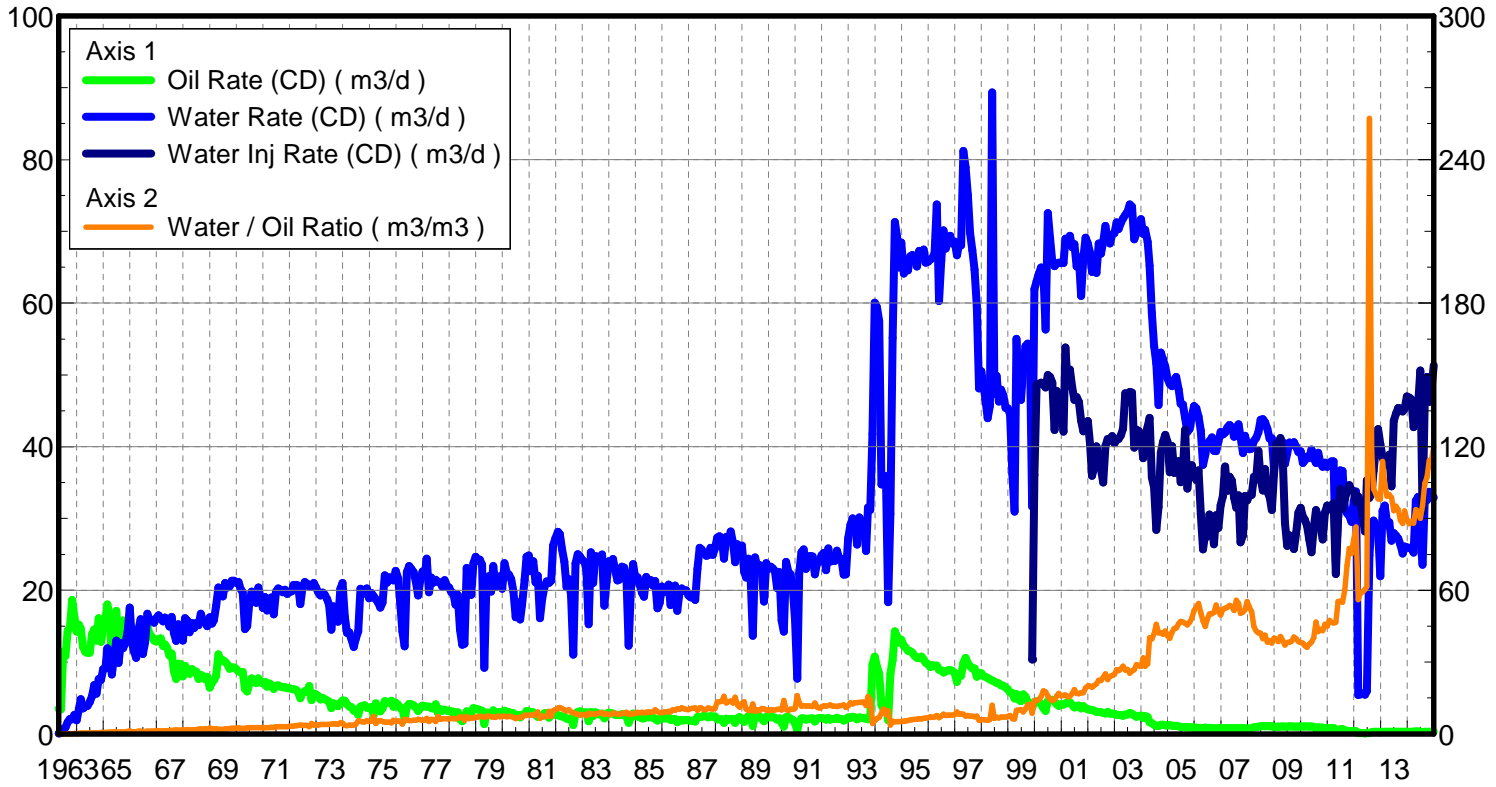
Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
11/30/2002	2.78	53.83	19.36	38.60	72.05	175.19	24.44	0.680	0.097
12/31/2002	2.70	53.79	19.89	39.10	72.13	176.86	25.65	0.690	0.102
1/31/2003	2.59	53.85	20.82	39.19	72.21	178.53	26.87	0.693	0.106
2/28/2003	2.64	54.50	20.66	39.75	72.28	180.05	27.98	0.694	0.109
3/31/2003	2.75	55.80	20.29	38.26	72.37	181.78	29.16	0.652	0.113
4/30/2003	2.73	56.24	20.60	39.37	72.45	183.47	30.35	0.666	0.117
5/31/2003	2.73	56.06	20.57	37.61	72.54	185.21	31.51	0.638	0.121
6/30/2003	2.69	57.71	21.43	36.67	72.62	186.94	32.61	0.606	0.124
7/31/2003	2.55	56.84	22.27	37.00	72.70	188.70	33.76	0.622	0.127
8/31/2003	2.58	57.66	22.32	39.23	72.78	190.49	34.98	0.650	0.131
9/30/2003	2.58	53.35	20.65	38.50	72.85	192.09	36.13	0.687	0.135
10/31/2003	2.47	54.38	22.01	39.52	72.93	193.78	37.35	0.694	0.138
11/30/2003	2.47	55.40	22.40	40.03	73.00	195.44	38.56	0.690	0.142
12/31/2003	2.51	55.03	21.93	39.45	73.08	197.14	39.78	0.684	0.145
1/31/2004	2.23	54.32	24.39	38.48	73.15	198.83	40.97	0.679	0.149
2/29/2004	2.53	55.00	21.72	38.76	73.22	200.42	42.10	0.672	0.152
3/31/2004	2.43	54.21	22.33	39.06	73.30	202.10	43.31	0.688	0.155
4/30/2004	1.82	50.08	27.56	39.17	73.35	203.61	44.48	0.753	0.159
5/31/2004	1.68	44.49	26.55	37.61	73.41	204.98	45.65	0.813	0.162
6/30/2004	1.47	38.84	26.49	41.67	73.45	206.15	46.90	1.032	0.166
7/31/2004	1.21	39.10	32.37	39.90	73.49	207.36	48.13	0.988	0.169
8/31/2004	1.17	36.08	30.81	38.68	73.52	208.48	49.33	1.037	0.173
9/30/2004	1.19	36.52	30.60	41.30	73.56	209.58	50.57	1.093	0.176
10/31/2004	1.19	35.88	30.06	41.81	73.60	210.69	51.87	1.126	0.180
11/30/2004	1.10	35.85	32.74	42.80	73.63	211.76	53.15	1.157	0.184
12/31/2004	1.03	35.22	34.23	43.68	73.66	212.86	54.51	1.203	0.188
1/31/2005	1.00	34.94	34.77	47.74	73.69	213.94	55.99	1.326	0.192
2/28/2005	0.97	35.82	36.88	47.54	73.72	214.94	57.32	1.290	0.196
3/31/2005	0.92	35.43	38.41	49.00	73.75	216.04	58.84	1.346	0.200
4/30/2005	0.94	36.10	38.34	43.43	73.78	217.12	60.14	1.171	0.204
5/31/2005	0.89	35.38	39.59	49.87	73.80	218.22	61.69	1.373	0.209
6/30/2005	0.87	34.25	39.44	47.80	73.83	219.25	63.12	1.359	0.213
7/31/2005	0.85	33.35	39.38	48.55	73.86	220.28	64.63	1.418	0.217
8/31/2005	0.81	31.67	38.89	41.00	73.88	221.26	65.90	1.260	0.221
9/30/2005	0.80	30.75	38.28	43.30	73.91	222.19	67.19	1.371	0.224
10/31/2005	0.78	30.54	39.12	42.68	73.93	223.13	68.52	1.361	0.228
11/30/2005	0.78	31.47	40.61	48.20	73.95	224.08	69.96	1.493	0.232
12/31/2005	0.71	30.50	42.98	50.03	73.98	225.02	71.52	1.601	0.236
1/31/2006	0.70	30.91	44.16	51.23	74.00	225.98	73.10	1.619	0.241
2/28/2006	0.68	30.75	45.31	50.54	74.02	226.84	74.52	1.606	0.245
3/31/2006	0.68	31.74	46.41	50.52	74.04	227.82	76.08	1.556	0.249
4/30/2006	0.64	30.00	46.75	47.47	74.06	228.72	77.51	1.548	0.253
5/31/2006	0.70	31.25	44.44	48.42	74.08	229.69	79.01	1.514	0.257
6/30/2006	0.69	32.60	47.25	50.17	74.10	230.67	80.51	1.505	0.261
7/31/2006	0.64	32.15	50.46	48.03	74.12	231.67	82.00	1.464	0.265
8/31/2006	0.60	31.36	51.99	51.23	74.14	232.64	83.59	1.601	0.269
9/30/2006	0.60	32.21	53.54	48.23	74.16	233.61	85.04	1.469	0.273
10/31/2006	0.58	32.70	56.48	50.32	74.17	234.62	86.60	1.511	0.277

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
11/30/2006	0.61	32.40	53.25	53.13	74.19	235.59	88.19	1.608	0.281
12/31/2006	0.66	34.02	51.31	54.19	74.21	236.65	89.87	1.561	0.286
1/31/2007	0.64	35.15	55.31	54.39	74.23	237.74	91.56	1.519	0.290
2/28/2007	0.61	34.46	56.27	48.57	74.25	238.70	92.92	1.384	0.293
3/31/2007	0.62	34.32	55.41	47.81	74.27	239.77	94.40	1.367	0.297
4/30/2007	0.61	34.32	55.96	51.37	74.29	240.80	95.94	1.469	0.301
5/31/2007	0.61	33.92	55.34	49.65	74.31	241.85	97.48	1.437	0.305
6/30/2007	0.61	32.95	53.87	48.77	74.32	242.84	98.94	1.452	0.308
7/31/2007	0.58	33.34	57.10	47.42	74.34	243.87	100.41	1.397	0.312
8/31/2007	0.60	33.88	56.02	50.77	74.36	244.92	101.99	1.471	0.316
9/30/2007	0.63	32.52	51.76	54.57	74.38	245.89	103.62	1.644	0.320
10/31/2007	0.59	31.11	52.70	49.39	74.40	246.86	105.16	1.556	0.324
11/30/2007	0.49	25.94	53.12	53.73	74.41	247.64	106.77	2.031	0.328
12/31/2007	0.36	20.02	56.16	49.13	74.42	248.26	108.29	2.409	0.332
1/31/2008	0.59	35.53	59.87	54.55	74.44	249.36	109.98	1.509	0.336
2/29/2008	0.66	33.95	51.28	53.24	74.46	250.34	111.53	1.537	0.339
3/31/2008	0.75	34.46	45.95	54.90	74.48	251.41	113.23	1.558	0.344
4/30/2008	0.74	34.51	46.43	57.77	74.51	252.45	114.96	1.637	0.348
5/31/2008	0.78	32.85	42.08	54.52	74.53	253.47	116.65	1.619	0.352
6/30/2008	0.77	30.67	39.92	55.40	74.55	254.39	118.31	1.760	0.356
7/31/2008	0.82	30.80	37.66	57.23	74.58	255.34	120.09	1.808	0.360
8/31/2008	0.78	31.02	39.91	52.19	74.60	256.30	121.70	1.639	0.364
9/30/2008	0.83	30.94	37.35	55.80	74.63	257.23	123.38	1.754	0.368
10/31/2008	0.85	30.57	36.10	50.23	74.65	258.18	124.94	1.597	0.371
11/30/2008	0.86	27.99	32.61	57.07	74.68	259.02	126.65	1.975	0.375
12/31/2008	0.74	24.81	33.44	41.65	74.70	259.79	127.94	1.627	0.378
1/31/2009	0.78	25.75	33.06	50.19	74.73	260.59	129.49	1.889	0.382
2/28/2009	0.79	25.91	32.75	52.75	74.75	261.31	130.97	1.973	0.385
3/31/2009	0.76	26.63	34.90	51.81	74.77	262.14	132.58	1.889	0.389
4/30/2009	0.79	26.55	33.46	53.17	74.80	262.93	134.17	1.942	0.393
5/31/2009	0.46	15.11	33.00	53.52	74.81	263.40	135.83	3.432	0.397
6/30/2009	0.20	7.48	36.47	53.13	74.82	263.63	137.43	6.908	0.402
7/31/2009	0.84	27.95	33.39	52.29	74.84	264.49	139.05	1.814	0.405
8/31/2009	0.80	27.65	34.56	53.23	74.87	265.35	140.70	1.868	0.409
9/30/2009	0.77	27.16	35.43	54.63	74.89	266.16	142.34	1.953	0.413
10/31/2009	0.66	27.08	40.85	52.97	74.91	267.00	143.98	1.907	0.417
11/30/2009	0.63	25.93	41.04	48.07	74.93	267.78	145.42	1.808	0.420
12/31/2009	0.64	27.26	42.79	48.68	74.95	268.63	146.93	1.743	0.423
1/31/2010	0.63	27.24	43.08	48.10	74.97	269.47	148.42	1.724	0.426
2/28/2010	0.62	26.12	41.91	48.89	74.99	270.20	149.79	1.826	0.429
3/31/2010	0.66	26.79	40.71	49.71	75.01	271.03	151.33	1.809	0.433
4/30/2010	0.64	26.64	41.95	52.00	75.03	271.83	152.89	1.904	0.436
5/31/2010	0.64	26.60	41.54	52.81	75.05	272.66	154.53	1.936	0.440
6/30/2010	0.61	25.01	40.78	49.17	75.07	273.41	156.00	1.916	0.443
7/31/2010	0.53	24.21	45.35	42.16	75.08	274.16	157.31	1.702	0.446
8/31/2010	0.80	29.53	37.14	46.74	75.11	275.07	158.76	1.539	0.449
9/30/2010	1.06	34.44	32.39	49.70	75.14	276.11	160.25	1.398	0.451
10/31/2010	1.05	33.04	31.37	50.90	75.17	277.13	161.83	1.491	0.454

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
11/30/2010	0.99	31.92	32.24	48.10	75.20	278.09	163.27	1.459	0.457
12/31/2010	0.99	31.66	31.92	47.13	75.23	279.07	164.73	1.441	0.460
1/31/2011	0.93	31.13	33.40	45.55	75.26	280.03	166.14	1.418	0.463
2/28/2011	0.96	31.56	32.85	47.04	75.29	280.92	167.46	1.444	0.465
3/31/2011	0.96	31.25	32.51	46.84	75.32	281.89	168.91	1.452	0.468
4/30/2011	0.60	20.41	34.02	23.50	75.34	282.50	169.62	1.117	0.469
5/31/2011	0.39	15.30	39.37	40.45	75.35	282.97	170.87	2.575	0.472
6/30/2011	0.96	34.60	36.05	44.97	75.38	284.01	172.22	1.263	0.474
7/31/2011	1.05	34.35	32.81	46.87	75.41	285.08	173.67	1.322	0.477
8/31/2011	0.91	31.10	34.01	40.74	75.44	286.04	174.94	1.271	0.479
9/30/2011	0.79	28.41	35.82	39.17	75.46	286.89	176.11	1.339	0.481
10/31/2011	0.92	32.52	35.19	44.10	75.49	287.90	177.48	1.317	0.483
11/30/2011	0.90	31.02	34.53	45.13	75.52	288.83	178.83	1.412	0.486
12/31/2011	0.83	29.21	35.16	45.16	75.54	289.74	180.23	1.501	0.488
1/31/2012	0.76	26.67	34.89	45.87	75.57	290.56	181.65	1.669	0.491
2/29/2012	0.69	24.88	35.81	45.90	75.59	291.29	182.98	1.792	0.494
3/31/2012	0.69	26.73	38.55	46.84	75.61	292.11	184.44	1.706	0.496
4/30/2012	0.72	26.98	37.64	48.30	75.63	292.92	185.88	1.742	0.499
5/31/2012	0.68	26.16	38.44	45.19	75.65	293.74	187.29	1.681	0.502
6/30/2012	0.72	28.34	39.19	42.93	75.67	294.59	188.57	1.475	0.504
7/31/2012	0.73	28.34	38.96	44.16	75.69	295.46	189.94	1.517	0.507
8/31/2012	0.71	27.98	39.34	44.58	75.72	296.33	191.32	1.552	0.509
9/30/2012	0.68	27.74	41.00	39.20	75.74	297.16	192.50	1.378	0.511
10/31/2012	0.68	27.89	41.17	38.74	75.76	298.03	193.70	1.354	0.513
11/30/2012	0.68	29.68	43.75	36.73	75.78	298.92	194.80	1.209	0.515
12/31/2012	0.64	29.37	45.64	36.42	75.80	299.83	195.93	1.212	0.516
1/31/2013	0.64	28.69	44.70	41.45	75.82	300.72	197.22	1.412	0.519
2/28/2013	0.66	28.44	43.16	42.96	75.84	301.52	198.42	1.475	0.521
3/31/2013	0.62	28.04	45.27	43.19	75.86	302.38	199.76	1.506	0.523
4/30/2013	0.64	28.85	45.31	42.67	75.87	303.25	201.04	1.445	0.525
5/31/2013	0.60	26.43	44.17	39.03	75.89	304.07	202.25	1.442	0.527
6/30/2013	0.65	27.72	42.65	33.17	75.91	304.90	203.25	1.168	0.528
7/31/2013	0.62	27.48	44.03	30.65	75.93	305.75	204.19	1.089	0.530
8/31/2013	0.58	26.71	46.13	31.23	75.95	306.58	205.16	1.143	0.531
9/30/2013	0.59	26.43	44.67	31.60	75.97	307.37	206.11	1.168	0.532
10/31/2013	0.57	25.80	44.93	28.58	75.99	308.17	207.00	1.083	0.534
11/30/2013	0.53	25.43	48.14	31.90	76.00	308.94	207.95	1.228	0.535
12/31/2013	0.58	26.68	46.21	28.39	76.02	309.76	208.83	1.040	0.536
1/31/2014	0.54	24.52	45.24	29.65	76.04	310.52	209.75	1.182	0.537
2/28/2014	0.58	26.39	45.47	31.25	76.05	311.26	210.63	1.158	0.539
3/31/2014	0.60	26.54	43.87	33.06	76.07	312.09	211.65	1.217	0.540
4/30/2014	1.01	35.86	35.44	33.13	76.10	313.16	212.65	0.897	0.541
5/31/2014	0.74	32.93	44.68	29.61	76.12	314.18	213.57	0.879	0.542
6/30/2014	0.56	27.90	50.27	21.00	76.14	315.02	214.19	0.737	0.542
7/31/2014	0.32	18.22	56.76	20.58	76.15	315.58	214.83	1.109	0.543
8/31/2014	0.51	31.57	62.33	28.61	76.17	316.56	215.72	0.891	0.544
9/30/2014	0.48	31.40	65.18	28.63	76.18	317.50	216.58	0.898	0.545
10/31/2014	0.44	30.76	69.61	27.19	76.19	318.46	217.42	0.871	0.546

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
11/30/2014	0.43	32.35	75.53	30.93	76.21	319.43	218.35	0.943	0.547
12/31/2014	0.29	26.10	89.41	28.26	76.22	320.24	219.23	1.070	0.548

Oil Formation Vol Factor : 1.03000 m3/m3
Water Formation Vol Factor : 1.00000 m3/m3
Water / Oil Ratio : 119.99 m3/m3
April 28, 2015
Operator: <Ambiguous>
Oil Rate (CD) : 0.27 m3/d
Water Rate (CD) : 32.90 m3/d
Water Inj Rate (CD) : 51.32 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
4/30/1963	3.51	0.07	0.02		0.11	0.00	0.00	0.000	0.000
5/31/1963	3.42	0.13	0.04		0.21	0.01	0.00	0.000	0.000
6/30/1963	11.42	0.71	0.06		0.55	0.03	0.00	0.000	0.000
7/31/1963	10.87	0.88	0.08		0.89	0.05	0.00	0.000	0.000
8/31/1963	14.39	1.63	0.11		1.34	0.11	0.00	0.000	0.000
9/30/1963	14.84	2.09	0.14		1.78	0.17	0.00	0.000	0.000
10/31/1963	18.65	2.04	0.11		2.36	0.23	0.00	0.000	0.000
11/30/1963	16.27	2.65	0.16		2.85	0.31	0.00	0.000	0.000
12/31/1963	14.24	1.90	0.13		3.29	0.37	0.00	0.000	0.000
1/31/1964	15.21	3.45	0.23		3.76	0.48	0.00	0.000	0.000
2/29/1964	14.62	4.82	0.33		4.19	0.62	0.00	0.000	0.000
3/31/1964	12.09	3.53	0.29		4.56	0.73	0.00	0.000	0.000
4/30/1964	11.42	3.81	0.33		4.90	0.84	0.00	0.000	0.000
5/31/1964	11.32	3.88	0.34		5.25	0.96	0.00	0.000	0.000
6/30/1964	11.31	4.43	0.39		5.59	1.09	0.00	0.000	0.000
7/31/1964	13.87	5.25	0.38		6.02	1.26	0.00	0.000	0.000
8/31/1964	14.55	6.81	0.47		6.47	1.47	0.00	0.000	0.000
9/30/1964	13.02	5.58	0.43		6.86	1.63	0.00	0.000	0.000
10/31/1964	16.10	7.64	0.47		7.36	1.87	0.00	0.000	0.000
11/30/1964	12.83	7.52	0.59		7.75	2.10	0.00	0.000	0.000
12/31/1964	14.46	9.04	0.63		8.20	2.38	0.00	0.000	0.000
1/31/1965	16.05	9.12	0.57		8.69	2.66	0.00	0.000	0.000
2/28/1965	18.04	11.94	0.66		9.20	2.99	0.00	0.000	0.000
3/31/1965	16.39	11.46	0.70		9.71	3.35	0.00	0.000	0.000
4/30/1965	10.74	8.29	0.77		10.03	3.60	0.00	0.000	0.000
5/31/1965	12.67	10.82	0.85		10.42	3.93	0.00	0.000	0.000
6/30/1965	17.13	12.98	0.76		10.94	4.32	0.00	0.000	0.000
7/31/1965	12.36	9.87	0.80		11.32	4.63	0.00	0.000	0.000
8/31/1965	15.35	12.65	0.82		11.80	5.02	0.00	0.000	0.000
9/30/1965	15.78	11.93	0.76		12.27	5.38	0.00	0.000	0.000
10/31/1965	15.16	12.59	0.83		12.74	5.77	0.00	0.000	0.000
11/30/1965	14.01	14.06	1.00		13.16	6.19	0.00	0.000	0.000
12/31/1965	13.58	17.58	1.29		13.58	6.74	0.00	0.000	0.000
1/31/1966	13.68	12.75	0.93		14.00	7.13	0.00	0.000	0.000
2/28/1966	12.20	11.51	0.94		14.35	7.45	0.00	0.000	0.000
3/31/1966	11.58	10.61	0.92		14.71	7.78	0.00	0.000	0.000
4/30/1966	12.12	14.47	1.19		15.07	8.22	0.00	0.000	0.000
5/31/1966	13.67	15.99	1.17		15.49	8.71	0.00	0.000	0.000
6/30/1966	12.84	11.13	0.87		15.88	9.05	0.00	0.000	0.000
7/31/1966	13.36	12.79	0.96		16.29	9.44	0.00	0.000	0.000
8/31/1966	15.02	16.72	1.11		16.76	9.96	0.00	0.000	0.000
9/30/1966	13.89	15.82	1.14		17.17	10.44	0.00	0.000	0.000
10/31/1966	13.54	15.89	1.17		17.59	10.93	0.00	0.000	0.000
11/30/1966	12.98	15.51	1.19		17.98	11.39	0.00	0.000	0.000
12/31/1966	12.87	16.11	1.25		18.38	11.89	0.00	0.000	0.000
1/31/1967	13.20	16.50	1.25		18.79	12.40	0.00	0.000	0.000
2/28/1967	13.31	16.10	1.21		19.16	12.86	0.00	0.000	0.000
3/31/1967	12.24	15.67	1.28		19.54	13.34	0.00	0.000	0.000

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4/30/1967	12.45	16.22	1.30		19.92	13.83	0.00	0.000	0.000
5/31/1967	11.98	15.91	1.33		20.29	14.32	0.00	0.000	0.000
6/30/1967	10.90	14.94	1.37		20.62	14.77	0.00	0.000	0.000
7/31/1967	11.20	16.31	1.46		20.96	15.27	0.00	0.000	0.000
8/31/1967	8.75	14.08	1.61		21.23	15.71	0.00	0.000	0.000
9/30/1967	7.64	12.97	1.70		21.46	16.10	0.00	0.000	0.000
10/31/1967	9.79	15.29	1.56		21.77	16.57	0.00	0.000	0.000
11/30/1967	9.70	14.89	1.54		22.06	17.02	0.00	0.000	0.000
12/31/1967	7.99	12.98	1.62		22.31	17.42	0.00	0.000	0.000
1/31/1968	9.46	16.09	1.70		22.60	17.92	0.00	0.000	0.000
2/29/1968	8.82	15.77	1.79		22.85	18.38	0.00	0.000	0.000
3/31/1968	8.36	14.17	1.69		23.11	18.82	0.00	0.000	0.000
4/30/1968	9.03	15.45	1.71		23.39	19.28	0.00	0.000	0.000
5/31/1968	8.75	14.72	1.68		23.66	19.74	0.00	0.000	0.000
6/30/1968	8.68	15.45	1.78		23.92	20.20	0.00	0.000	0.000
7/31/1968	7.64	15.15	1.98		24.15	20.67	0.00	0.000	0.000
8/31/1968	8.23	16.74	2.03		24.41	21.19	0.00	0.000	0.000
9/30/1968	8.06	15.71	1.95		24.65	21.66	0.00	0.000	0.000
10/31/1968	7.61	15.51	2.04		24.89	22.14	0.00	0.000	0.000
11/30/1968	7.98	15.02	1.88		25.13	22.59	0.00	0.000	0.000
12/31/1968	6.46	16.26	2.52		25.33	23.10	0.00	0.000	0.000
1/31/1969	7.17	15.35	2.14		25.55	23.57	0.00	0.000	0.000
2/28/1969	7.47	15.85	2.12		25.76	24.02	0.00	0.000	0.000
3/31/1969	8.10	17.85	2.20		26.01	24.57	0.00	0.000	0.000
4/30/1969	11.10	20.39	1.84		26.34	25.18	0.00	0.000	0.000
5/31/1969	10.20	19.31	1.89		26.66	25.78	0.00	0.000	0.000
6/30/1969	10.26	19.15	1.87		26.97	26.36	0.00	0.000	0.000
7/31/1969	10.03	21.00	2.09		27.28	27.01	0.00	0.000	0.000
8/31/1969	9.71	20.39	2.10		27.58	27.64	0.00	0.000	0.000
9/30/1969	9.09	20.51	2.26		27.85	28.25	0.00	0.000	0.000
10/31/1969	9.26	21.31	2.30		28.14	28.91	0.00	0.000	0.000
11/30/1969	9.24	21.32	2.31		28.42	29.55	0.00	0.000	0.000
12/31/1969	9.05	21.04	2.33		28.70	30.21	0.00	0.000	0.000
1/31/1970	8.73	21.14	2.42		28.97	30.86	0.00	0.000	0.000
2/28/1970	8.56	20.24	2.36		29.21	31.43	0.00	0.000	0.000
3/31/1970	8.65	19.74	2.28		29.47	32.04	0.00	0.000	0.000
4/30/1970	6.27	14.59	2.33		29.66	32.48	0.00	0.000	0.000
5/31/1970	5.92	15.02	2.54		29.85	32.94	0.00	0.000	0.000
6/30/1970	6.97	18.44	2.64		30.05	33.50	0.00	0.000	0.000
7/31/1970	7.75	19.82	2.56		30.30	34.11	0.00	0.000	0.000
8/31/1970	7.51	19.33	2.57		30.53	34.71	0.00	0.000	0.000
9/30/1970	7.06	18.27	2.59		30.74	35.26	0.00	0.000	0.000
10/31/1970	7.75	20.37	2.63		30.98	35.89	0.00	0.000	0.000
11/30/1970	7.19	18.82	2.62		31.20	36.45	0.00	0.000	0.000
12/31/1970	7.03	17.54	2.49		31.41	37.00	0.00	0.000	0.000
1/31/1971	7.23	19.05	2.64		31.64	37.59	0.00	0.000	0.000
2/28/1971	6.57	17.21	2.62		31.82	38.07	0.00	0.000	0.000
3/31/1971	7.01	18.75	2.68		32.04	38.65	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
4/30/1971	6.80	19.01	2.80		32.24	39.22	0.00	0.000	0.000
5/31/1971	6.28	16.67	2.65		32.44	39.74	0.00	0.000	0.000
6/30/1971	6.69	19.83	2.96		32.64	40.33	0.00	0.000	0.000
7/31/1971	6.75	20.24	3.00		32.85	40.96	0.00	0.000	0.000
8/31/1971	6.59	20.08	3.05		33.05	41.58	0.00	0.000	0.000
9/30/1971	6.49	19.74	3.04		33.25	42.18	0.00	0.000	0.000
10/31/1971	6.55	20.09	3.07		33.45	42.80	0.00	0.000	0.000
11/30/1971	6.34	19.50	3.08		33.64	43.38	0.00	0.000	0.000
12/31/1971	6.35	19.76	3.11		33.84	44.00	0.00	0.000	0.000
1/31/1972	6.25	19.87	3.18		34.03	44.61	0.00	0.000	0.000
2/29/1972	6.20	20.75	3.35		34.21	45.21	0.00	0.000	0.000
3/31/1972	6.13	20.77	3.39		34.40	45.86	0.00	0.000	0.000
4/30/1972	5.80	20.65	3.56		34.57	46.48	0.00	0.000	0.000
5/31/1972	4.99	18.08	3.63		34.73	47.04	0.00	0.000	0.000
6/30/1972	5.74	20.39	3.55		34.90	47.65	0.00	0.000	0.000
7/31/1972	5.97	21.17	3.54		35.09	48.31	0.00	0.000	0.000
8/31/1972	5.85	20.92	3.58		35.27	48.95	0.00	0.000	0.000
9/30/1972	6.69	20.54	3.07		35.47	49.57	0.00	0.000	0.000
10/31/1972	4.71	20.50	4.35		35.61	50.21	0.00	0.000	0.000
11/30/1972	5.60	21.03	3.75		35.78	50.84	0.00	0.000	0.000
12/31/1972	5.50	20.41	3.71		35.95	51.47	0.00	0.000	0.000
1/31/1973	5.27	19.73	3.74		36.12	52.08	0.00	0.000	0.000
2/28/1973	4.80	19.29	4.02		36.25	52.62	0.00	0.000	0.000
3/31/1973	5.04	19.68	3.91		36.41	53.23	0.00	0.000	0.000
4/30/1973	4.86	19.43	4.00		36.55	53.81	0.00	0.000	0.000
5/31/1973	4.66	18.75	4.02		36.70	54.40	0.00	0.000	0.000
6/30/1973	4.47	17.92	4.01		36.83	54.93	0.00	0.000	0.000
7/31/1973	3.57	14.53	4.07		36.94	55.38	0.00	0.000	0.000
8/31/1973	4.25	17.78	4.19		37.07	55.93	0.00	0.000	0.000
9/30/1973	4.03	17.18	4.27		37.19	56.45	0.00	0.000	0.000
10/31/1973	3.88	15.61	4.02		37.31	56.93	0.00	0.000	0.000
11/30/1973	4.32	20.19	4.67		37.44	57.54	0.00	0.000	0.000
12/31/1973	4.67	21.00	4.50		37.59	58.19	0.00	0.000	0.000
1/31/1974	4.63	16.36	3.53		37.73	58.70	0.00	0.000	0.000
2/28/1974	4.13	14.06	3.41		37.85	59.09	0.00	0.000	0.000
3/31/1974	3.80	14.14	3.72		37.97	59.53	0.00	0.000	0.000
4/30/1974	3.74	13.18	3.52		38.08	59.92	0.00	0.000	0.000
5/31/1974	3.25	12.12	3.73		38.18	60.30	0.00	0.000	0.000
6/30/1974	3.37	13.23	3.92		38.28	60.70	0.00	0.000	0.000
7/31/1974	2.64	14.27	5.41		38.36	61.14	0.00	0.000	0.000
8/31/1974	3.82	20.23	5.29		38.48	61.77	0.00	0.000	0.000
9/30/1974	3.86	19.45	5.04		38.60	62.35	0.00	0.000	0.000
10/31/1974	3.97	20.10	5.06		38.72	62.97	0.00	0.000	0.000
11/30/1974	3.65	20.28	5.56		38.83	63.58	0.00	0.000	0.000
12/31/1974	3.64	18.88	5.19		38.94	64.17	0.00	0.000	0.000
1/31/1975	3.72	19.66	5.28		39.06	64.78	0.00	0.000	0.000
2/28/1975	2.61	19.21	7.36		39.13	65.31	0.00	0.000	0.000
3/31/1975	4.27	18.76	4.39		39.26	65.90	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 Replacemnt Ratio
4/30/1975	3.40	18.29	5.38		39.36	66.44	0.00	0.000	0.000
5/31/1975	3.13	17.58	5.61		39.46	66.99	0.00	0.000	0.000
6/30/1975	3.54	18.29	5.16		39.57	67.54	0.00	0.000	0.000
7/31/1975	4.55	22.10	4.85		39.71	68.22	0.00	0.000	0.000
8/31/1975	4.30	21.06	4.90		39.84	68.88	0.00	0.000	0.000
9/30/1975	4.43	21.84	4.93		39.97	69.53	0.00	0.000	0.000
10/31/1975	4.63	21.60	4.67		40.12	70.20	0.00	0.000	0.000
11/30/1975	3.75	21.39	5.70		40.23	70.84	0.00	0.000	0.000
12/31/1975	4.35	22.73	5.22		40.37	71.55	0.00	0.000	0.000
1/31/1976	4.03	21.66	5.38		40.49	72.22	0.00	0.000	0.000
2/29/1976	3.58	18.37	5.13		40.59	72.75	0.00	0.000	0.000
3/31/1976	3.54	14.30	4.04		40.70	73.20	0.00	0.000	0.000
4/30/1976	1.98	12.19	6.16		40.76	73.56	0.00	0.000	0.000
5/31/1976	3.81	22.54	5.92		40.88	74.26	0.00	0.000	0.000
6/30/1976	4.18	23.37	5.60		41.01	74.96	0.00	0.000	0.000
7/31/1976	4.11	22.96	5.58		41.13	75.67	0.00	0.000	0.000
8/31/1976	3.99	22.54	5.65		41.26	76.37	0.00	0.000	0.000
9/30/1976	3.69	21.25	5.75		41.37	77.01	0.00	0.000	0.000
10/31/1976	3.18	19.30	6.06		41.47	77.61	0.00	0.000	0.000
11/30/1976	3.63	21.46	5.91		41.58	78.25	0.00	0.000	0.000
12/31/1976	3.96	22.64	5.72		41.70	78.95	0.00	0.000	0.000
1/31/1977	3.85	22.08	5.73		41.82	79.64	0.00	0.000	0.000
2/28/1977	3.75	24.42	6.51		41.92	80.32	0.00	0.000	0.000
3/31/1977	3.82	19.75	5.17		42.04	80.93	0.00	0.000	0.000
4/30/1977	3.61	21.77	6.04		42.15	81.59	0.00	0.000	0.000
5/31/1977	3.54	21.08	5.96		42.26	82.24	0.00	0.000	0.000
6/30/1977	4.14	21.45	5.18		42.38	82.88	0.00	0.000	0.000
7/31/1977	2.93	21.21	7.23		42.47	83.54	0.00	0.000	0.000
8/31/1977	3.46	21.08	6.09		42.58	84.19	0.00	0.000	0.000
9/30/1977	3.25	20.48	6.30		42.68	84.81	0.00	0.000	0.000
10/31/1977	3.37	21.42	6.35		42.78	85.47	0.00	0.000	0.000
11/30/1977	3.22	20.63	6.41		42.88	86.09	0.00	0.000	0.000
12/31/1977	3.25	20.40	6.29		42.98	86.72	0.00	0.000	0.000
1/31/1978	3.05	19.71	6.46		43.08	87.34	0.00	0.000	0.000
2/28/1978	3.09	19.59	6.35		43.16	87.88	0.00	0.000	0.000
3/31/1978	2.83	17.98	6.36		43.25	88.44	0.00	0.000	0.000
4/30/1978	3.01	19.38	6.45		43.34	89.02	0.00	0.000	0.000
5/31/1978	2.05	14.52	7.08		43.40	89.47	0.00	0.000	0.000
6/30/1978	1.77	12.43	7.01		43.46	89.85	0.00	0.000	0.000
7/31/1978	2.20	12.54	5.71		43.53	90.23	0.00	0.000	0.000
8/31/1978	3.16	23.12	7.30		43.62	90.95	0.00	0.000	0.000
9/30/1978	3.03	19.38	6.40		43.71	91.53	0.00	0.000	0.000
10/31/1978	2.93	19.37	6.61		43.80	92.13	0.00	0.000	0.000
11/30/1978	3.60	23.80	6.62		43.91	92.85	0.00	0.000	0.000
12/31/1978	3.51	24.66	7.02		44.02	93.61	0.00	0.000	0.000
1/31/1979	3.40	24.10	7.09		44.13	94.36	0.00	0.000	0.000
2/28/1979	3.34	24.29	7.28		44.22	95.04	0.00	0.000	0.000
3/31/1979	3.23	23.55	7.30		44.32	95.77	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
4/30/1979	1.34	9.22	6.86		44.36	96.05	0.00	0.000	0.000
5/31/1979	2.95	21.67	7.34		44.45	96.72	0.00	0.000	0.000
6/30/1979	2.94	21.93	7.45		44.54	97.37	0.00	0.000	0.000
7/31/1979	2.76	19.83	7.19		44.63	97.99	0.00	0.000	0.000
8/31/1979	3.30	23.36	7.09		44.73	98.71	0.00	0.000	0.000
9/30/1979	2.99	20.50	6.86		44.82	99.33	0.00	0.000	0.000
10/31/1979	2.90	21.67	7.48		44.91	100.00	0.00	0.000	0.000
11/30/1979	3.06	21.95	7.18		45.00	100.66	0.00	0.000	0.000
12/31/1979	2.79	20.20	7.24		45.09	101.29	0.00	0.000	0.000
1/31/1980	3.22	23.80	7.39		45.19	102.02	0.00	0.000	0.000
2/29/1980	3.11	22.45	7.23		45.28	102.67	0.00	0.000	0.000
3/31/1980	3.03	22.19	7.33		45.37	103.36	0.00	0.000	0.000
4/30/1980	2.93	21.54	7.36		45.46	104.01	0.00	0.000	0.000
5/31/1980	2.87	19.81	6.91		45.55	104.62	0.00	0.000	0.000
6/30/1980	2.55	16.24	6.37		45.62	105.11	0.00	0.000	0.000
7/31/1980	2.67	18.33	6.87		45.71	105.68	0.00	0.000	0.000
8/31/1980	2.31	15.94	6.91		45.78	106.17	0.00	0.000	0.000
9/30/1980	2.64	18.04	6.84		45.86	106.71	0.00	0.000	0.000
10/31/1980	2.73	21.44	7.85		45.94	107.38	0.00	0.000	0.000
11/30/1980	3.20	24.67	7.70		46.04	108.12	0.00	0.000	0.000
12/31/1980	3.16	24.84	7.85		46.14	108.89	0.00	0.000	0.000
1/31/1981	2.87	22.65	7.90		46.22	109.59	0.00	0.000	0.000
2/28/1981	3.02	24.04	7.96		46.31	110.26	0.00	0.000	0.000
3/31/1981	2.64	21.10	8.00		46.39	110.92	0.00	0.000	0.000
4/30/1981	2.41	22.03	9.14		46.46	111.58	0.00	0.000	0.000
5/31/1981	2.47	16.10	6.51		46.54	112.08	0.00	0.000	0.000
6/30/1981	2.53	18.87	7.45		46.62	112.64	0.00	0.000	0.000
7/31/1981	2.88	20.48	7.11		46.70	113.28	0.00	0.000	0.000
8/31/1981	2.89	21.23	7.35		46.79	113.94	0.00	0.000	0.000
9/30/1981	2.24	21.00	9.39		46.86	114.57	0.00	0.000	0.000
10/31/1981	2.94	21.32	7.26		46.95	115.23	0.00	0.000	0.000
11/30/1981	2.72	26.23	9.64		47.03	116.01	0.00	0.000	0.000
12/31/1981	2.70	27.23	10.10		47.12	116.86	0.00	0.000	0.000
1/31/1982	2.62	28.13	10.73		47.20	117.73	0.00	0.000	0.000
2/28/1982	2.52	27.82	11.03		47.27	118.51	0.00	0.000	0.000
3/31/1982	2.45	25.71	10.51		47.35	119.31	0.00	0.000	0.000
4/30/1982	2.36	24.00	10.17		47.42	120.03	0.00	0.000	0.000
5/31/1982	2.13	20.42	9.59		47.48	120.66	0.00	0.000	0.000
6/30/1982	2.13	21.53	10.11		47.55	121.31	0.00	0.000	0.000
7/31/1982	2.13	19.39	9.12		47.61	121.91	0.00	0.000	0.000
8/31/1982	1.23	11.03	8.95		47.65	122.25	0.00	0.000	0.000
9/30/1982	2.83	23.73	8.38		47.74	122.96	0.00	0.000	0.000
10/31/1982	3.05	25.03	8.20		47.83	123.74	0.00	0.000	0.000
11/30/1982	3.15	24.70	7.84		47.92	124.48	0.00	0.000	0.000
12/31/1982	3.01	24.23	8.05		48.02	125.23	0.00	0.000	0.000
1/31/1983	2.94	23.97	8.15		48.11	125.97	0.00	0.000	0.000
2/28/1983	3.01	22.86	7.60		48.19	126.61	0.00	0.000	0.000
3/31/1983	1.78	15.29	8.60		48.25	127.09	0.00	0.000	0.000

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4/30/1983	3.07	25.30	8.25		48.34	127.84	0.00	0.000	0.000
5/31/1983	2.48	21.00	8.45		48.42	128.50	0.00	0.000	0.000
6/30/1983	3.03	24.77	8.16		48.51	129.24	0.00	0.000	0.000
7/31/1983	2.89	24.68	8.54		48.60	130.00	0.00	0.000	0.000
8/31/1983	2.72	24.00	8.83		48.68	130.75	0.00	0.000	0.000
9/30/1983	2.84	25.00	8.79		48.77	131.50	0.00	0.000	0.000
10/31/1983	2.18	17.87	8.20		48.83	132.05	0.00	0.000	0.000
11/30/1983	2.55	21.20	8.30		48.91	132.69	0.00	0.000	0.000
12/31/1983	2.98	24.06	8.06		49.00	133.43	0.00	0.000	0.000
1/31/1984	2.87	23.32	8.13		49.09	134.16	0.00	0.000	0.000
2/29/1984	2.82	24.38	8.63		49.17	134.86	0.00	0.000	0.000
3/31/1984	2.64	22.77	8.64		49.26	135.57	0.00	0.000	0.000
4/30/1984	2.65	21.37	8.05		49.34	136.21	0.00	0.000	0.000
5/31/1984	2.61	21.52	8.23		49.42	136.88	0.00	0.000	0.000
6/30/1984	2.76	23.30	8.44		49.50	137.58	0.00	0.000	0.000
7/31/1984	2.67	23.16	8.67		49.58	138.29	0.00	0.000	0.000
8/31/1984	2.45	22.06	9.00		49.66	138.98	0.00	0.000	0.000
9/30/1984	1.52	12.30	8.09		49.70	139.35	0.00	0.000	0.000
10/31/1984	2.31	20.06	8.68		49.78	139.97	0.00	0.000	0.000
11/30/1984	2.85	23.63	8.29		49.86	140.68	0.00	0.000	0.000
12/31/1984	2.51	21.65	8.64		49.94	141.35	0.00	0.000	0.000
1/31/1985	2.43	21.81	8.98		50.01	142.03	0.00	0.000	0.000
2/28/1985	2.36	20.82	8.81		50.08	142.61	0.00	0.000	0.000
3/31/1985	2.19	19.65	8.98		50.15	143.22	0.00	0.000	0.000
4/30/1985	2.17	19.10	8.80		50.21	143.79	0.00	0.000	0.000
5/31/1985	2.42	21.87	9.03		50.29	144.47	0.00	0.000	0.000
6/30/1985	2.28	20.93	9.17		50.36	145.10	0.00	0.000	0.000
7/31/1985	2.36	21.42	9.08		50.43	145.76	0.00	0.000	0.000
8/31/1985	2.26	20.68	9.14		50.50	146.40	0.00	0.000	0.000
9/30/1985	2.10	21.30	10.13		50.56	147.04	0.00	0.000	0.000
10/31/1985	1.87	17.52	9.35		50.62	147.58	0.00	0.000	0.000
11/30/1985	2.05	18.26	8.89		50.68	148.13	0.00	0.000	0.000
12/31/1985	2.32	20.55	8.86		50.76	148.77	0.00	0.000	0.000
1/31/1986	2.16	19.71	9.12		50.82	149.38	0.00	0.000	0.000
2/28/1986	2.15	19.86	9.22		50.88	149.93	0.00	0.000	0.000
3/31/1986	2.20	20.77	9.46		50.95	150.58	0.00	0.000	0.000
4/30/1986	1.96	17.93	9.15		51.01	151.12	0.00	0.000	0.000
5/31/1986	2.01	20.32	10.10		51.07	151.75	0.00	0.000	0.000
6/30/1986	2.10	20.67	9.86		51.13	152.37	0.00	0.000	0.000
7/31/1986	1.64	17.16	10.47		51.19	152.90	0.00	0.000	0.000
8/31/1986	1.94	19.74	10.18		51.25	153.51	0.00	0.000	0.000
9/30/1986	1.86	20.27	10.90		51.30	154.12	0.00	0.000	0.000
10/31/1986	1.90	19.90	10.49		51.36	154.74	0.00	0.000	0.000
11/30/1986	1.95	20.00	10.26		51.42	155.34	0.00	0.000	0.000
12/31/1986	1.89	19.26	10.17		51.48	155.93	0.00	0.000	0.000
1/31/1987	1.79	19.00	10.63		51.53	156.52	0.00	0.000	0.000
2/28/1987	1.83	19.39	10.58		51.58	157.06	0.00	0.000	0.000
3/31/1987	1.71	18.65	10.91		51.64	157.64	0.00	0.000	0.000

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4/30/1987	2.33	22.97	9.84		51.71	158.33	0.00	0.000	0.000
5/31/1987	2.36	25.90	10.95		51.78	159.13	0.00	0.000	0.000
6/30/1987	2.39	25.70	10.74		51.85	159.91	0.00	0.000	0.000
7/31/1987	2.51	25.26	10.08		51.93	160.69	0.00	0.000	0.000
8/31/1987	2.42	24.81	10.27		52.00	161.46	0.00	0.000	0.000
9/30/1987	2.29	24.90	10.87		52.07	162.20	0.00	0.000	0.000
10/31/1987	2.46	25.94	10.54		52.15	163.01	0.00	0.000	0.000
11/30/1987	2.41	24.93	10.35		52.22	163.76	0.00	0.000	0.000
12/31/1987	2.42	25.87	10.69		52.30	164.56	0.00	0.000	0.000
1/31/1988	2.05	27.35	13.33		52.36	165.41	0.00	0.000	0.000
2/29/1988	2.04	27.52	13.48		52.42	166.20	0.00	0.000	0.000
3/31/1988	2.01	27.26	13.54		52.48	167.05	0.00	0.000	0.000
4/30/1988	1.55	24.40	15.74		52.53	167.78	0.00	0.000	0.000
5/31/1988	2.12	27.42	12.96		52.59	168.63	0.00	0.000	0.000
6/30/1988	1.99	26.77	13.43		52.65	169.43	0.00	0.000	0.000
7/31/1988	2.06	28.19	13.66		52.72	170.31	0.00	0.000	0.000
8/31/1988	2.07	26.68	12.86		52.78	171.14	0.00	0.000	0.000
9/30/1988	1.56	23.90	15.35		52.83	171.85	0.00	0.000	0.000
10/31/1988	2.17	26.42	12.17		52.90	172.67	0.00	0.000	0.000
11/30/1988	2.33	25.93	11.11		52.97	173.45	0.00	0.000	0.000
12/31/1988	2.05	26.23	12.80		53.03	174.26	0.00	0.000	0.000
1/31/1989	1.68	22.58	13.46		53.08	174.96	0.00	0.000	0.000
2/28/1989	2.10	21.79	10.36		53.14	175.57	0.00	0.000	0.000
3/31/1989	2.47	24.42	9.87		53.22	176.33	0.00	0.000	0.000
4/30/1989	2.27	21.97	9.68		53.29	176.99	0.00	0.000	0.000
5/31/1989	1.09	13.68	12.54		53.32	177.41	0.00	0.000	0.000
6/30/1989	2.59	24.60	9.49		53.40	178.15	0.00	0.000	0.000
7/31/1989	2.30	23.35	10.17		53.47	178.87	0.00	0.000	0.000
8/31/1989	2.41	23.52	9.75		53.54	179.60	0.00	0.000	0.000
9/30/1989	2.13	22.77	10.69		53.61	180.29	0.00	0.000	0.000
10/31/1989	1.76	18.45	10.46		53.66	180.86	0.00	0.000	0.000
11/30/1989	2.38	23.77	9.97		53.73	181.57	0.00	0.000	0.000
12/31/1989	2.35	23.00	9.77		53.81	182.28	0.00	0.000	0.000
1/31/1990	2.30	23.29	10.13		53.88	183.01	0.00	0.000	0.000
2/28/1990	2.32	23.07	9.94		53.94	183.65	0.00	0.000	0.000
3/31/1990	2.27	22.71	10.01		54.01	184.36	0.00	0.000	0.000
4/30/1990	1.99	20.30	10.22		54.07	184.97	0.00	0.000	0.000
5/31/1990	2.18	22.52	10.31		54.14	185.66	0.00	0.000	0.000
6/30/1990	1.58	15.80	10.02		54.19	186.14	0.00	0.000	0.000
7/31/1990	1.02	14.26	13.94		54.22	186.58	0.00	0.000	0.000
8/31/1990	2.35	23.97	10.19		54.29	187.32	0.00	0.000	0.000
9/30/1990	2.33	22.57	9.70		54.36	188.00	0.00	0.000	0.000
10/31/1990	2.14	22.23	10.39		54.43	188.69	0.00	0.000	0.000
11/30/1990	1.96	20.13	10.25		54.49	189.29	0.00	0.000	0.000
12/31/1990	1.50	15.90	10.58		54.53	189.79	0.00	0.000	0.000
1/31/1991	0.48	7.71	16.04		54.55	190.02	0.00	0.000	0.000
2/28/1991	1.71	22.32	13.08		54.60	190.65	0.00	0.000	0.000
3/31/1991	2.19	25.29	11.56		54.66	191.43	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
4/30/1991	2.17	25.70	11.84		54.73	192.20	0.00	0.000	0.000
5/31/1991	1.99	22.97	11.56		54.79	192.92	0.00	0.000	0.000
6/30/1991	2.12	24.73	11.69		54.85	193.66	0.00	0.000	0.000
7/31/1991	2.14	24.74	11.55		54.92	194.43	0.00	0.000	0.000
8/31/1991	2.16	24.71	11.45		54.99	195.19	0.00	0.000	0.000
9/30/1991	1.73	22.20	12.86		55.04	195.86	0.00	0.000	0.000
10/31/1991	2.12	23.81	11.22		55.11	196.60	0.00	0.000	0.000
11/30/1991	2.22	23.97	10.81		55.17	197.31	0.00	0.000	0.000
12/31/1991	2.21	24.90	11.27		55.24	198.09	0.00	0.000	0.000
1/31/1992	2.15	25.19	11.71		55.31	198.87	0.00	0.000	0.000
2/29/1992	1.98	22.79	11.54		55.36	199.53	0.00	0.000	0.000
3/31/1992	2.19	25.84	11.80		55.43	200.33	0.00	0.000	0.000
4/30/1992	1.97	24.00	12.16		55.49	201.05	0.00	0.000	0.000
5/31/1992	2.09	24.10	11.53		55.56	201.80	0.00	0.000	0.000
6/30/1992	2.07	24.10	11.62		55.62	202.52	0.00	0.000	0.000
7/31/1992	2.24	25.52	11.38		55.69	203.31	0.00	0.000	0.000
8/31/1992	2.08	24.45	11.73		55.75	204.07	0.00	0.000	0.000
9/30/1992	2.07	24.37	11.79		55.81	204.80	0.00	0.000	0.000
10/31/1992	1.84	22.16	12.07		55.87	205.49	0.00	0.000	0.000
11/30/1992	2.00	22.23	11.10		55.93	206.15	0.00	0.000	0.000
12/31/1992	2.31	27.20	11.76		56.00	207.00	0.00	0.000	0.000
1/31/1993	2.22	29.10	13.09		56.07	207.90	0.00	0.000	0.000
2/28/1993	2.40	30.00	12.52		56.14	208.74	0.00	0.000	0.000
3/31/1993	2.28	29.64	12.99		56.21	209.66	0.00	0.000	0.000
4/30/1993	2.01	26.37	13.10		56.27	210.45	0.00	0.000	0.000
5/31/1993	2.28	30.15	13.22		56.34	211.38	0.00	0.000	0.000
6/30/1993	2.26	29.70	13.16		56.41	212.27	0.00	0.000	0.000
7/31/1993	2.18	29.16	13.35		56.48	213.18	0.00	0.000	0.000
8/31/1993	2.15	25.49	11.86		56.54	213.97	0.00	0.000	0.000
9/30/1993	2.02	31.53	15.64		56.60	214.91	0.00	0.000	0.000
10/31/1993	2.20	31.17	14.17		56.67	215.88	0.00	0.000	0.000
11/30/1993	9.64	41.78	4.33		56.96	217.13	0.00	0.000	0.000
12/31/1993	10.75	60.06	5.59		57.29	219.00	0.00	0.000	0.000
1/31/1994	9.39	59.43	6.33		57.59	220.84	0.00	0.000	0.000
2/28/1994	8.41	57.47	6.84		57.82	222.45	0.00	0.000	0.000
3/31/1994	4.02	34.75	8.65		57.95	223.52	0.00	0.000	0.000
4/30/1994	3.37	35.01	10.40		58.05	224.58	0.00	0.000	0.000
5/31/1994	4.47	35.90	8.04		58.18	225.69	0.00	0.000	0.000
6/30/1994	1.88	18.33	9.75		58.24	226.24	0.00	0.000	0.000
7/31/1994	8.34	30.64	3.67		58.50	227.19	0.00	0.000	0.000
8/31/1994	10.34	55.16	5.33		58.82	228.90	0.00	0.000	0.000
9/30/1994	14.27	71.31	5.00		59.25	231.04	0.00	0.000	0.000
10/31/1994	13.60	69.25	5.09		59.67	233.18	0.00	0.000	0.000
11/30/1994	12.71	64.95	5.11		60.05	235.13	0.00	0.000	0.000
12/31/1994	13.14	68.43	5.21		60.46	237.25	0.00	0.000	0.000
1/31/1995	12.23	64.11	5.24		60.84	239.24	0.00	0.000	0.000
2/28/1995	12.03	65.60	5.45		61.17	241.08	0.00	0.000	0.000
3/31/1995	11.58	64.56	5.57		61.53	243.08	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
4/30/1995	11.54	66.52	5.76		61.88	245.08	0.00	0.000	0.000
5/31/1995	11.30	66.71	5.90		62.23	247.14	0.00	0.000	0.000
6/30/1995	10.85	66.36	6.12		62.56	249.13	0.00	0.000	0.000
7/31/1995	10.59	65.08	6.15		62.88	251.15	0.00	0.000	0.000
8/31/1995	10.55	67.28	6.38		63.21	253.24	0.00	0.000	0.000
9/30/1995	10.75	66.66	6.20		63.53	255.24	0.00	0.000	0.000
10/31/1995	10.37	67.44	6.50		63.85	257.33	0.00	0.000	0.000
11/30/1995	9.94	65.64	6.60		64.15	259.30	0.00	0.000	0.000
12/31/1995	9.68	65.78	6.80		64.45	261.34	0.00	0.000	0.000
1/31/1996	9.30	66.10	7.11		64.74	263.39	0.00	0.000	0.000
2/29/1996	9.56	66.26	6.93		65.02	265.31	0.00	0.000	0.000
3/31/1996	9.49	66.92	7.05		65.31	267.38	0.00	0.000	0.000
4/30/1996	9.54	73.76	7.74		65.60	269.59	0.00	0.000	0.000
5/31/1996	8.96	60.31	6.73		65.88	271.46	0.00	0.000	0.000
6/30/1996	8.86	65.97	7.45		66.14	273.44	0.00	0.000	0.000
7/31/1996	8.54	70.14	8.21		66.41	275.62	0.00	0.000	0.000
8/31/1996	8.71	67.59	7.76		66.68	277.71	0.00	0.000	0.000
9/30/1996	8.83	68.62	7.77		66.94	279.77	0.00	0.000	0.000
10/31/1996	8.91	69.37	7.78		67.22	281.92	0.00	0.000	0.000
11/30/1996	8.76	68.31	7.80		67.48	283.97	0.00	0.000	0.000
12/31/1996	8.49	68.60	8.08		67.74	286.10	0.00	0.000	0.000
1/31/1997	7.24	66.64	9.21		67.97	288.16	0.00	0.000	0.000
2/28/1997	8.25	68.04	8.25		68.20	290.07	0.00	0.000	0.000
3/31/1997	8.08	68.04	8.42		68.45	292.18	0.00	0.000	0.000
4/30/1997	9.89	81.17	8.21		68.75	294.61	0.00	0.000	0.000
5/31/1997	10.58	78.92	7.46		69.07	297.06	0.00	0.000	0.000
6/30/1997	9.81	75.08	7.65		69.37	299.31	0.00	0.000	0.000
7/31/1997	9.44	69.79	7.40		69.66	301.48	0.00	0.000	0.000
8/31/1997	9.14	67.39	7.38		69.94	303.56	0.00	0.000	0.000
9/30/1997	9.10	64.67	7.10		70.22	305.51	0.00	0.000	0.000
10/31/1997	7.96	59.63	7.49		70.46	307.35	0.00	0.000	0.000
11/30/1997	8.49	48.11	5.67		70.72	308.80	0.00	0.000	0.000
12/31/1997	8.43	50.52	5.99		70.98	310.36	0.00	0.000	0.000
1/31/1998	8.07	48.50	6.01		71.23	311.87	0.00	0.000	0.000
2/28/1998	7.98	46.60	5.84		71.45	313.17	0.00	0.000	0.000
3/31/1998	7.76	43.99	5.67		71.69	314.53	0.00	0.000	0.000
4/30/1998	7.59	45.71	6.02		71.92	315.91	0.00	0.000	0.000
5/31/1998	7.42	89.34	12.04		72.15	318.68	0.00	0.000	0.000
6/30/1998	7.29	47.35	6.50		72.37	320.10	0.00	0.000	0.000
7/31/1998	7.11	49.83	7.01		72.59	321.64	0.00	0.000	0.000
8/31/1998	7.01	46.27	6.60		72.81	323.08	0.00	0.000	0.000
9/30/1998	6.77	47.95	7.09		73.01	324.51	0.00	0.000	0.000
10/31/1998	6.71	47.15	7.02		73.22	325.98	0.00	0.000	0.000
11/30/1998	6.43	45.41	7.07		73.41	327.34	0.00	0.000	0.000
12/31/1998	6.21	45.34	7.30		73.61	328.74	0.00	0.000	0.000
1/31/1999	5.76	44.52	7.72		73.78	330.12	0.00	0.000	0.000
2/28/1999	5.67	36.24	6.39		73.94	331.14	0.00	0.000	0.000
3/31/1999	4.93	30.95	6.28		74.10	332.10	0.00	0.000	0.000

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4/30/1999	5.56	55.02	9.90		74.26	333.75	0.00	0.000	0.000
5/31/1999	4.73	46.98	9.93		74.41	335.20	0.00	0.000	0.000
6/30/1999	4.59	46.52	10.13		74.55	336.60	0.00	0.000	0.000
7/31/1999	5.52	50.76	9.20		74.72	338.17	0.00	0.000	0.000
8/31/1999	5.22	54.02	10.35		74.88	339.85	0.00	0.000	0.000
9/30/1999	4.49	54.36	12.12		75.01	341.48	0.00	0.000	0.000
10/31/1999	4.28	53.29	12.44		75.15	343.13	0.00	0.000	0.000
11/30/1999	3.65	31.65	8.68	10.37	75.26	344.08	0.31	0.292	0.001
12/31/1999	4.43	61.94	13.99	36.10	75.39	346.00	1.43	0.542	0.003
1/31/2000	4.55	63.03	13.86	48.71	75.53	347.96	2.94	0.718	0.007
2/29/2000	4.46	64.13	14.38	48.72	75.66	349.82	4.35	0.708	0.010
3/31/2000	4.17	64.97	15.59	48.94	75.79	351.83	5.87	0.706	0.014
4/30/2000	3.57	64.30	17.99	48.63	75.90	353.76	7.33	0.715	0.017
5/31/2000	3.19	56.34	17.65	48.26	76.00	355.50	8.82	0.808	0.020
6/30/2000	4.58	72.52	15.82	50.00	76.14	357.68	10.32	0.647	0.024
7/31/2000	4.74	69.00	14.56	49.71	76.28	359.82	11.87	0.672	0.027
8/31/2000	4.76	65.72	13.80	48.90	76.43	361.86	13.38	0.691	0.030
9/30/2000	4.53	65.14	14.40	42.33	76.57	363.81	14.65	0.606	0.033
10/31/2000	4.13	65.48	15.87	47.74	76.69	365.84	16.13	0.684	0.036
11/30/2000	3.89	65.64	16.88	46.40	76.81	367.81	17.52	0.666	0.039
12/31/2000	4.14	65.59	15.85	44.29	76.94	369.84	18.90	0.633	0.042
1/31/2001	4.08	65.57	16.06	42.10	77.07	371.88	20.20	0.603	0.045
2/28/2001	4.24	68.97	16.26	53.82	77.18	373.81	21.71	0.733	0.048
3/31/2001	4.40	68.13	15.50	48.48	77.32	375.92	23.21	0.666	0.051
4/30/2001	4.39	69.37	15.78	50.77	77.45	378.00	24.73	0.686	0.054
5/31/2001	4.04	67.76	16.76	48.29	77.58	380.10	26.23	0.671	0.057
6/30/2001	3.68	68.22	18.55	46.53	77.69	382.15	27.63	0.646	0.060
7/31/2001	3.85	65.10	16.92	46.90	77.81	384.17	29.08	0.678	0.062
8/31/2001	3.95	66.37	16.78	46.23	77.93	386.22	30.52	0.655	0.065
9/30/2001	3.54	60.98	17.23	43.60	78.04	388.05	31.82	0.674	0.068
10/31/2001	3.87	66.28	17.14	42.16	78.16	390.11	33.13	0.599	0.070
11/30/2001	3.59	69.12	19.26	42.90	78.26	392.18	34.42	0.589	0.073
12/31/2001	3.41	68.29	20.02	43.58	78.37	394.30	35.77	0.606	0.075
1/31/2002	3.36	66.99	19.96	40.32	78.47	396.37	37.02	0.572	0.077
2/28/2002	3.32	64.33	19.40	35.93	78.57	398.18	38.02	0.530	0.079
3/31/2002	3.23	65.24	20.20	37.13	78.67	400.20	39.17	0.541	0.081
4/30/2002	3.06	64.20	20.99	40.07	78.76	402.12	40.38	0.594	0.083
5/31/2002	3.05	68.30	22.39	38.97	78.85	404.24	41.59	0.545	0.085
6/30/2002	3.01	66.89	22.21	36.83	78.94	406.25	42.69	0.526	0.087
7/31/2002	2.90	68.54	23.61	35.03	79.03	408.37	43.78	0.489	0.089
8/31/2002	2.82	70.74	25.05	40.10	79.12	410.57	45.02	0.544	0.091
9/30/2002	3.04	68.71	22.63	41.07	79.21	412.63	46.25	0.571	0.093
10/31/2002	2.85	68.33	23.96	40.84	79.30	414.75	47.52	0.573	0.095
11/30/2002	2.85	69.55	24.40	41.47	79.39	416.83	48.76	0.572	0.097
12/31/2002	2.81	69.73	24.82	40.52	79.47	418.99	50.02	0.557	0.100
1/31/2003	2.66	71.24	26.77	40.94	79.56	421.20	51.29	0.553	0.102
2/28/2003	2.67	70.30	26.37	41.07	79.63	423.17	52.44	0.562	0.103
3/31/2003	2.62	71.16	27.13	41.58	79.71	425.38	53.73	0.563	0.106

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4/30/2003	2.53	71.79	28.34	42.50	79.79	427.53	55.00	0.571	0.108
5/31/2003	2.71	72.28	26.66	47.45	79.87	429.77	56.47	0.632	0.110
6/30/2003	2.70	72.71	26.95	46.17	79.95	431.95	57.86	0.611	0.112
7/31/2003	2.91	73.76	25.32	47.61	80.04	434.24	59.33	0.620	0.114
8/31/2003	2.80	73.44	26.26	47.55	80.13	436.51	60.81	0.623	0.117
9/30/2003	2.57	68.89	26.79	39.87	80.21	438.58	62.00	0.557	0.119
10/31/2003	2.41	69.72	28.93	42.35	80.28	440.74	63.31	0.586	0.121
11/30/2003	2.50	71.14	28.49	42.20	80.36	442.88	64.58	0.572	0.122
12/31/2003	2.55	71.67	28.14	41.19	80.44	445.10	65.86	0.554	0.124
1/31/2004	2.19	69.65	31.80	38.42	80.50	447.26	67.05	0.534	0.126
2/29/2004	2.48	70.21	28.30	41.55	80.58	449.29	68.25	0.571	0.128
3/31/2004	2.35	68.51	29.17	42.81	80.65	451.42	69.58	0.603	0.130
4/30/2004	1.62	65.23	40.19	44.03	80.70	453.37	70.90	0.658	0.132
5/31/2004	1.48	58.63	39.68	35.74	80.74	455.19	72.01	0.594	0.133
6/30/2004	1.29	54.03	41.77	34.37	80.78	456.81	73.04	0.620	0.135
7/31/2004	1.13	51.58	45.82	28.42	80.82	458.41	73.92	0.539	0.136
8/31/2004	1.09	45.81	42.20	31.65	80.85	459.83	74.90	0.674	0.138
9/30/2004	1.25	53.12	42.38	39.17	80.89	461.43	76.08	0.720	0.139
10/31/2004	1.25	52.19	41.70	40.68	80.93	463.04	77.34	0.760	0.141
11/30/2004	1.19	51.16	42.99	41.63	80.96	464.58	78.59	0.794	0.143
12/31/2004	1.21	49.48	41.01	40.68	81.00	466.11	79.85	0.802	0.145
1/31/2005	1.22	48.74	39.97	36.45	81.04	467.62	80.98	0.729	0.147
2/28/2005	1.14	48.43	42.44	40.11	81.07	468.98	82.10	0.808	0.148
3/31/2005	1.12	49.30	44.11	36.35	81.10	470.51	83.23	0.720	0.150
4/30/2005	1.13	49.72	44.20	37.60	81.14	472.00	84.36	0.739	0.151
5/31/2005	1.04	47.93	46.07	38.00	81.17	473.49	85.53	0.775	0.153
6/30/2005	0.98	45.96	46.98	35.07	81.20	474.86	86.59	0.746	0.155
7/31/2005	0.98	45.89	46.72	36.87	81.23	476.29	87.73	0.786	0.156
8/31/2005	0.95	44.02	46.18	42.35	81.26	477.65	89.04	0.941	0.158
9/30/2005	0.92	42.04	45.53	34.17	81.29	478.91	90.07	0.794	0.160
10/31/2005	0.91	42.46	46.60	37.39	81.32	480.23	91.23	0.861	0.161
11/30/2005	0.92	44.27	48.38	37.43	81.34	481.56	92.35	0.828	0.163
12/31/2005	0.89	45.67	51.58	35.94	81.37	482.97	93.46	0.771	0.164
1/31/2006	0.86	45.34	52.84	35.35	81.40	484.38	94.56	0.765	0.166
2/28/2006	0.81	44.18	54.50	36.71	81.42	485.62	95.59	0.815	0.167
3/31/2006	0.83	42.25	50.67	30.65	81.45	486.93	96.54	0.711	0.169
4/30/2006	0.80	37.45	47.10	25.70	81.47	488.05	97.31	0.671	0.170
5/31/2006	0.87	38.88	44.81	28.00	81.50	489.25	98.18	0.704	0.171
6/30/2006	0.85	40.45	47.78	27.47	81.52	490.47	99.00	0.664	0.172
7/31/2006	0.81	40.74	50.02	30.55	81.55	491.73	99.95	0.734	0.173
8/31/2006	0.82	41.28	50.19	29.03	81.57	493.01	100.85	0.689	0.174
9/30/2006	0.78	39.41	50.75	26.40	81.60	494.19	101.64	0.656	0.175
10/31/2006	0.73	39.40	53.81	30.48	81.62	495.41	102.58	0.759	0.177
11/30/2006	0.80	40.72	51.11	28.70	81.64	496.64	103.45	0.691	0.178
12/31/2006	0.85	42.05	49.65	31.87	81.67	497.94	104.43	0.742	0.179
1/31/2007	0.80	41.72	52.04	33.10	81.69	499.23	105.46	0.778	0.180
2/28/2007	0.80	41.97	52.46	37.25	81.72	500.41	106.50	0.870	0.182
3/31/2007	0.81	42.69	52.83	33.87	81.74	501.73	107.55	0.778	0.183

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
4/30/2007	0.80	43.05	53.70	35.80	81.76	503.02	108.63	0.816	0.184
5/31/2007	0.80	42.70	53.16	35.29	81.79	504.35	109.72	0.810	0.186
6/30/2007	0.80	41.37	51.60	32.90	81.81	505.59	110.71	0.779	0.187
7/31/2007	0.76	42.70	55.85	31.48	81.84	506.91	111.68	0.724	0.188
8/31/2007	0.79	43.12	54.45	33.23	81.86	508.25	112.71	0.756	0.190
9/30/2007	0.82	41.38	50.36	26.70	81.89	509.49	113.52	0.632	0.191
10/31/2007	0.77	39.11	50.83	27.65	81.91	510.70	114.37	0.693	0.192
11/30/2007	0.80	41.54	51.82	33.13	81.93	511.95	115.37	0.782	0.193
12/31/2007	0.73	40.35	55.35	32.52	81.96	513.20	116.37	0.791	0.194
1/31/2008	0.75	39.67	52.89	33.23	81.98	514.43	117.40	0.821	0.196
2/29/2008	0.78	39.74	50.99	33.28	82.00	515.58	118.37	0.820	0.197
3/31/2008	0.91	40.82	44.87	35.81	82.03	516.85	119.48	0.857	0.198
4/30/2008	0.96	41.23	42.95	35.40	82.06	518.08	120.54	0.838	0.199
5/31/2008	1.00	42.01	42.14	39.42	82.09	519.38	121.76	0.916	0.201
6/30/2008	1.04	43.74	42.06	35.60	82.12	520.70	122.83	0.794	0.202
7/31/2008	1.10	43.84	39.74	33.90	82.16	522.06	123.88	0.753	0.204
8/31/2008	1.05	43.40	41.20	36.90	82.19	523.40	125.03	0.829	0.205
9/30/2008	1.11	42.48	38.33	33.73	82.22	524.68	126.04	0.773	0.206
10/31/2008	1.05	41.10	39.02	33.03	82.25	525.95	127.06	0.783	0.208
11/30/2008	1.09	41.16	37.87	31.20	82.29	527.18	128.00	0.738	0.209
12/31/2008	0.92	36.79	40.09	36.35	82.32	528.33	129.13	0.963	0.210
1/31/2009	1.02	40.48	39.71	40.42	82.35	529.58	130.38	0.973	0.212
2/28/2009	1.03	39.65	38.55	40.43	82.38	530.69	131.51	0.993	0.213
3/31/2009	1.00	40.88	40.68	41.19	82.41	531.96	132.79	0.982	0.215
4/30/2009	1.04	40.64	39.02	38.50	82.44	533.18	133.94	0.922	0.216
5/31/2009	1.01	37.61	37.13	29.39	82.47	534.34	134.85	0.760	0.217
6/30/2009	1.02	39.06	38.24	26.17	82.50	535.51	135.64	0.652	0.218
7/31/2009	1.06	40.58	38.35	27.65	82.53	536.77	136.50	0.663	0.219
8/31/2009	1.04	40.22	38.78	26.55	82.57	538.02	137.32	0.643	0.220
9/30/2009	1.00	40.62	40.49	25.73	82.60	539.24	138.09	0.617	0.221
10/31/2009	1.00	39.99	39.80	28.00	82.63	540.48	138.96	0.682	0.222
11/30/2009	1.02	39.25	38.54	30.83	82.66	541.66	139.88	0.765	0.223
12/31/2009	1.03	39.40	38.23	31.48	82.69	542.88	140.86	0.778	0.224
1/31/2010	1.00	37.71	37.90	30.23	82.72	544.05	141.80	0.780	0.225
2/28/2010	1.03	38.10	36.85	29.82	82.75	545.11	142.63	0.761	0.226
3/31/2010	1.07	38.63	36.13	29.00	82.78	546.31	143.53	0.729	0.227
4/30/2010	1.03	38.45	37.45	27.10	82.81	547.46	144.34	0.686	0.228
5/31/2010	1.03	39.60	38.31	25.29	82.84	548.69	145.13	0.622	0.228
6/30/2010	0.95	38.37	40.18	28.67	82.87	549.84	145.99	0.728	0.229
7/31/2010	0.81	37.72	46.68	31.16	82.90	551.01	146.95	0.808	0.230
8/31/2010	0.92	39.15	42.74	30.19	82.93	552.23	147.89	0.753	0.231
9/30/2010	0.86	37.68	43.73	28.80	82.95	553.36	148.75	0.746	0.232
10/31/2010	0.86	37.20	43.11	27.10	82.98	554.51	149.59	0.711	0.233
11/30/2010	0.82	37.76	45.77	30.83	83.00	555.64	150.52	0.798	0.234
12/31/2010	0.83	37.21	45.06	31.81	83.03	556.80	151.50	0.835	0.235
1/31/2011	0.79	37.58	47.45	31.29	83.05	557.96	152.47	0.815	0.236
2/28/2011	0.81	37.98	46.64	31.86	83.08	559.02	153.37	0.820	0.237
3/31/2011	0.82	37.95	46.31	32.13	83.10	560.20	154.36	0.828	0.238

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
4/30/2011	0.51	23.95	46.65	22.27	83.12	560.92	155.03	0.909	0.239
5/31/2011	0.55	30.31	55.27	29.90	83.14	561.86	155.96	0.968	0.240
6/30/2011	0.66	36.69	55.45	34.10	83.16	562.96	156.98	0.912	0.241
7/31/2011	0.67	36.62	54.98	31.32	83.18	564.09	157.95	0.839	0.242
8/31/2011	0.52	31.44	60.17	32.71	83.19	565.07	158.97	1.022	0.244
9/30/2011	0.44	30.72	70.35	33.80	83.20	565.99	159.98	1.084	0.245
10/31/2011	0.39	30.40	77.56	34.68	83.22	566.93	161.05	1.126	0.246
11/30/2011	0.39	29.53	75.39	33.97	83.23	567.82	162.07	1.135	0.247
12/31/2011	0.40	32.49	81.21	33.77	83.24	568.83	163.12	1.026	0.249
1/31/2012	0.39	33.75	86.46	32.29	83.25	569.87	164.12	0.945	0.250
2/29/2012	0.10	5.41	56.04	33.03	83.26	570.03	165.08	5.993	0.251
3/31/2012	0.09	5.51	58.93	32.35	83.26	570.20	166.08	5.766	0.253
4/30/2012	0.10	5.63	59.25	30.23	83.26	570.37	166.99	5.278	0.254
5/31/2012	0.09	5.45	60.34	28.21	83.26	570.54	167.86	5.087	0.255
6/30/2012	0.10	5.95	61.57	35.33	83.27	570.72	168.92	5.837	0.257
7/31/2012	0.10	24.89	257.17	32.87	83.27	571.49	169.94	1.315	0.258
8/31/2012	0.25	29.34	118.14	33.65	83.28	572.40	170.99	1.136	0.259
9/30/2012	0.29	29.70	102.43	36.67	83.29	573.29	172.09	1.222	0.260
10/31/2012	0.29	29.09	100.21	39.77	83.30	574.19	173.32	1.353	0.262
11/30/2012	0.29	28.47	98.18	42.47	83.30	575.04	174.59	1.476	0.264
12/31/2012	0.22	21.98	98.02	40.35	83.31	575.73	175.84	1.817	0.265
1/31/2013	0.27	31.03	113.85	38.52	83.32	576.69	177.04	1.230	0.267
2/28/2013	0.31	31.79	104.10	37.54	83.33	577.58	178.09	1.169	0.268
3/31/2013	0.30	29.31	99.30	37.42	83.34	578.49	179.25	1.263	0.269
4/30/2013	0.29	29.49	99.97	38.90	83.35	579.37	180.42	1.305	0.271
5/31/2013	0.27	26.91	98.73	34.48	83.36	580.21	181.48	1.268	0.272
6/30/2013	0.30	27.98	93.26	43.63	83.36	581.04	182.79	1.542	0.273
7/31/2013	0.29	27.63	95.16	44.61	83.37	581.90	184.18	1.597	0.275
8/31/2013	0.29	27.21	93.72	45.42	83.38	582.74	185.58	1.651	0.277
9/30/2013	0.29	26.34	89.28	45.30	83.39	583.53	186.94	1.700	0.279
10/31/2013	0.29	25.11	87.95	44.90	83.40	584.31	188.34	1.767	0.280
11/30/2013	0.28	26.09	93.18	45.30	83.41	585.10	189.69	1.717	0.282
12/31/2013	0.29	25.98	89.50	47.00	83.42	585.90	191.15	1.788	0.284
1/31/2014	0.30	25.90	87.75	46.84	83.43	586.70	192.60	1.787	0.286
2/28/2014	0.29	25.85	88.80	46.61	83.43	587.43	193.91	1.782	0.287
3/31/2014	0.29	25.27	88.03	42.74	83.44	588.21	195.23	1.671	0.289
4/30/2014	0.35	32.49	93.72	43.27	83.45	589.19	196.53	1.317	0.290
5/31/2014	0.35	33.02	93.05	45.77	83.46	590.21	197.95	1.371	0.292
6/30/2014	0.30	27.47	90.05	50.60	83.47	591.03	199.47	1.821	0.294
7/31/2014	0.25	23.56	95.48	31.00	83.48	591.76	200.43	1.301	0.295
8/31/2014	0.31	32.75	104.68	46.65	83.49	592.78	201.88	1.410	0.297
9/30/2014	0.30	32.55	107.30	49.73	83.50	593.76	203.37	1.513	0.298
10/31/2014	0.30	33.72	114.25	46.26	83.51	594.80	204.80	1.359	0.300
11/30/2014	0.29	33.41	114.53	48.03	83.52	595.80	206.24	1.425	0.302
12/31/2014	0.27	32.90	119.99	51.32	83.53	596.82	207.83	1.546	0.304