

**SOURIS HARTNEY UNIT NO. 1
WATERFLOOD EOR PROJECT**

ANNUAL REPORT FOR 2012

March 1, 2013

Tundra Oil and Gas Partnership

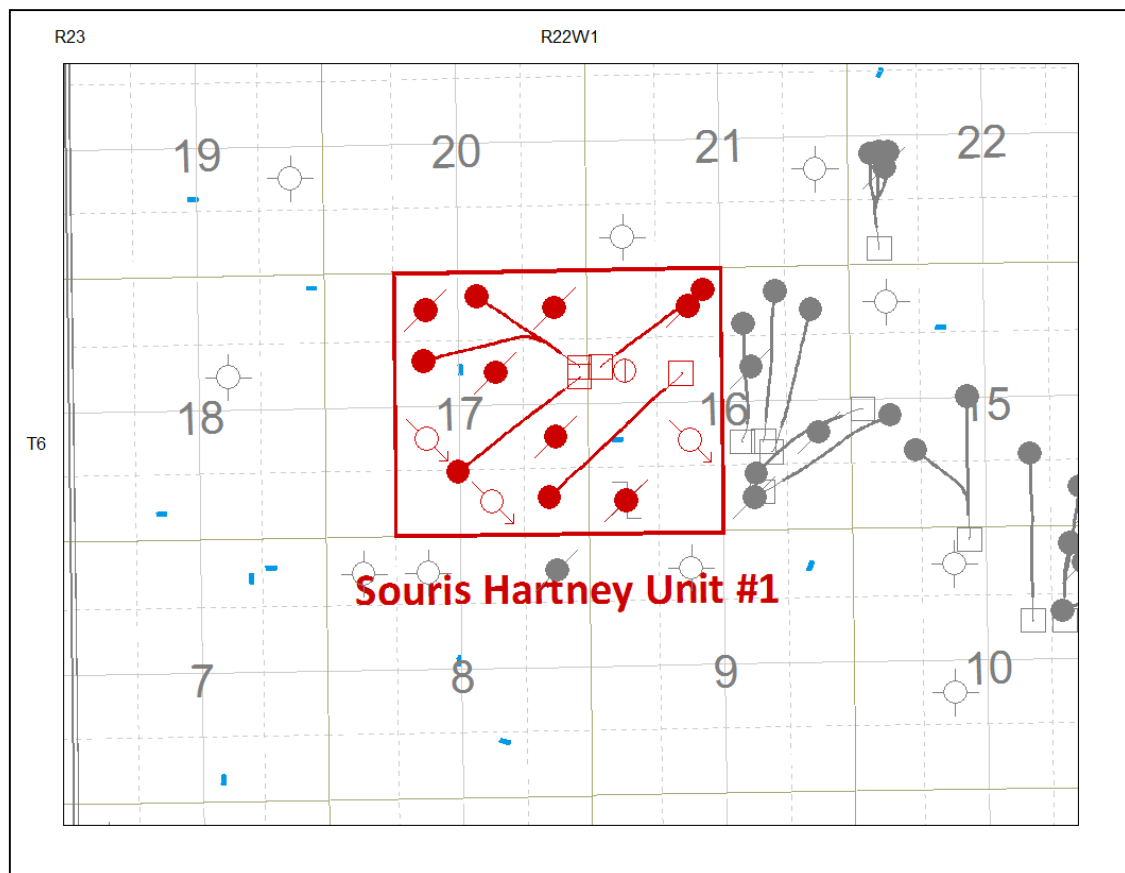
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INTRODUCTION

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 2012 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 2.46 m³/d of oil and 76.7 m³/d of water, in December 2012. 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

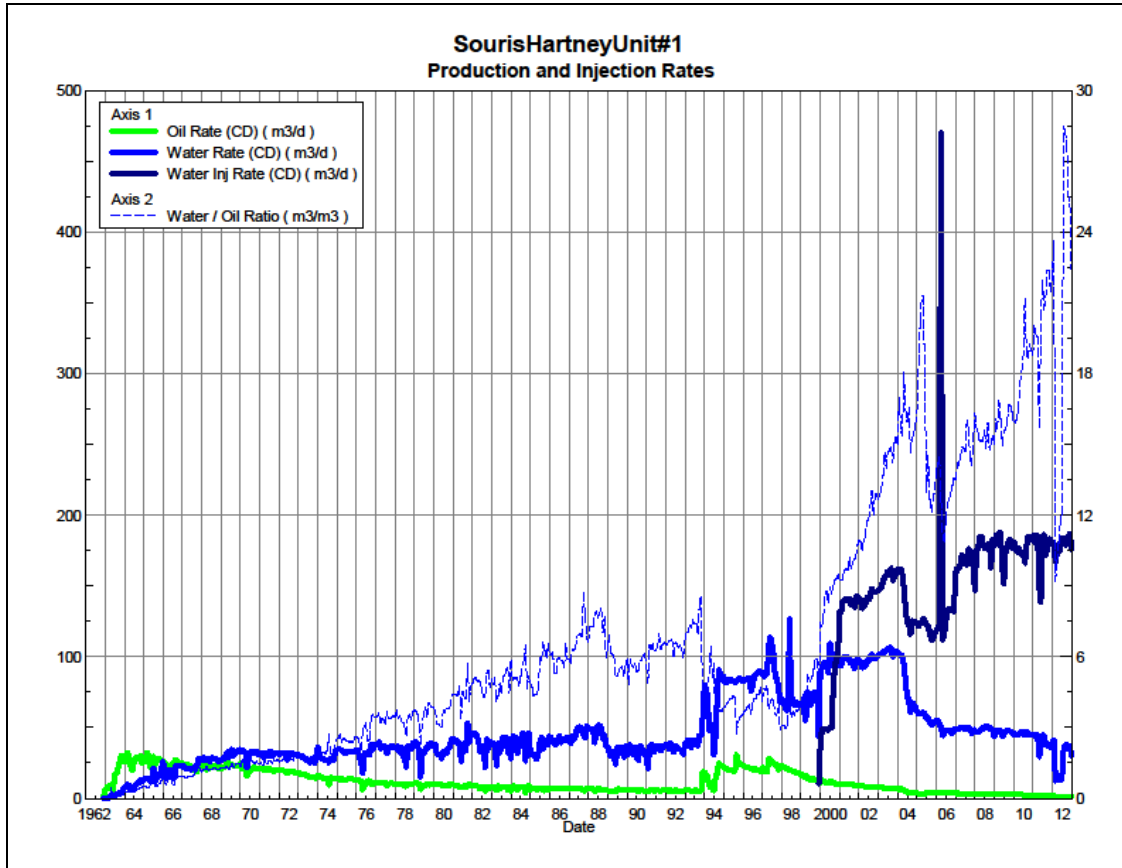
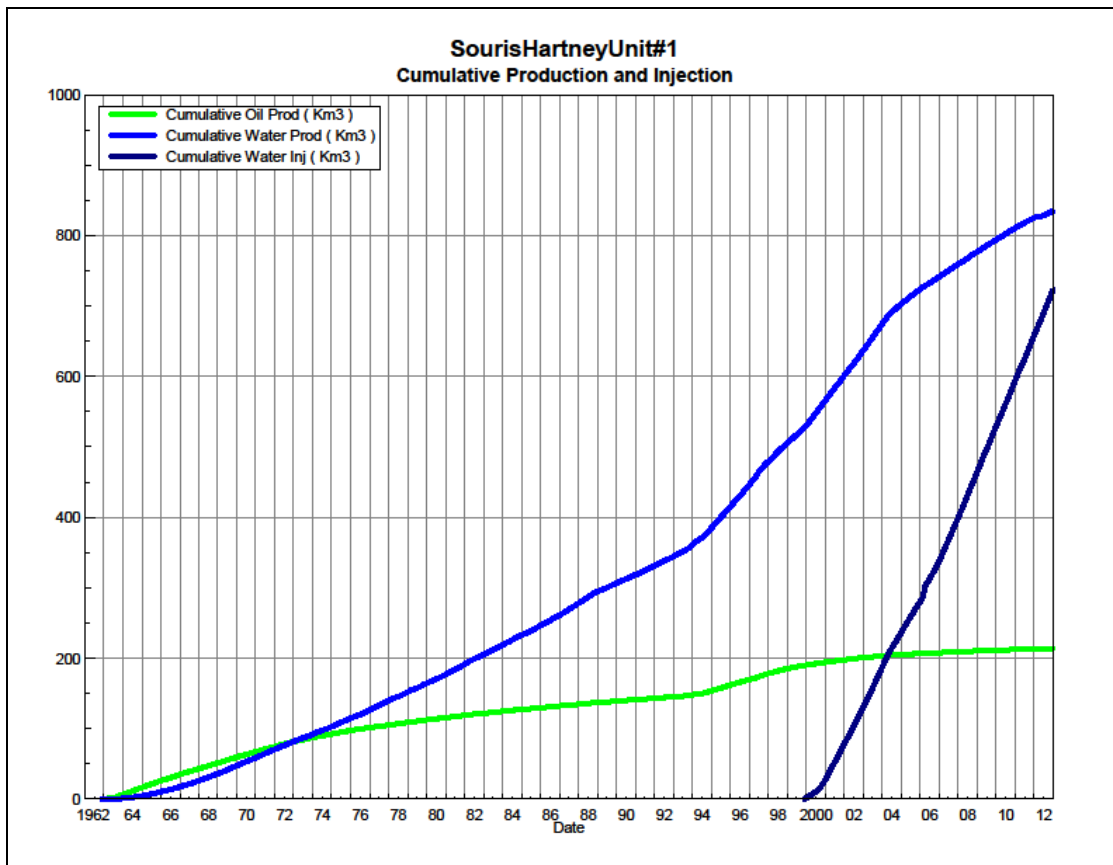


Figure 3 shows the cumulative production for Souris Hartney Unit No. 1 to the end of December 2012. Cumulative production of oil was 224 E³m³ and for water was 1064 E³m³. The cumulative water injected was 723 E³m³. The cumulative volume of oil, and water produced and fluid injected for each injection 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 2012 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 2012.

Well Servicing

There was no well servicing performed within Souris Hartney Unit No. 1 during 2012.

Voidage Replacement

Cumulative voidage for the Souris Hartney Unit No. 1 was 0.557 in December 2012. 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 2.0, 1.9, 1.9 and 2.5 in 2009, 2010, 2011 and 2012, 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 and for the project area 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)

Month	Injection Pressure		
	100/02-17	100/06-16	100/06-17
Jan-02	0	4137	7205
Feb-02	0	276	858
Mar-02	0	133	445
Apr-02	0	3423	4927
May-02	7316	3149	3761
Jun-02	7195	4275	3701
Jul-02	6897	3978	3550
Aug-02	7086	3981	3722
Sep-02	6936	4284	3662
Oct-02	6968	4562	3627
Nov-02	7435	5884	5034
Dec-02	7396	5132	3881
Jan-03	7502	4729	3913
Feb-03	7534	5033	3948
Mar-03	7480	5224	5098
Apr-03	7516	5240	7929
May-03	7516	5240	7929
Jun-03	7516	5240	7929
Jul-03	7522	5240	7958
Aug-03	7378	5129	7844
Sep-03	7770	5200	8205
Oct-03	7513	5200	7958
Nov-03	7571	4558	7953
Dec-03	8190	5073	8590
Jan-04	8150	4919	8563
Feb-04	7975	4843	8296
Mar-04	7992	4784	8060
Apr-04	7916	4632	8061
May-04	7800	4521	8012
Jun-04	7742	4400	7904
Jul-04	7433	4400	7390
Aug-04	7969	4400	7985
Sep-04	7806	4400	7852
Oct-04	7858	4400	7869
Nov-04	7803	4400	7702
Dec-04	7600	4473	7510
Jan-05	7598	4413	7534
Feb-05	7760	4400	7757
Mar-05	7687	4400	7687

Month	Injection Pressure		
	100/02-17	100/06-16	100/06-17
Jan-06	7555	4400	7548
Feb-06	7657	4400	7636
Mar-06	7510	4471	7510
Apr-06	7553	4400	7542
May-06	7740	4400	7656
Jun-06	7789	5120	7707
Jul-06	7824	5252	7776
Aug-06	7574	5424	7542
Sep-06	7401	5637	7353
Oct-06	7571	5381	7520
Nov-06	7640	5400	7615
Dec-06	7638	5400	7648
Jan-07	7575	5400	7600
Feb-07	7522	5400	7491
Mar-07	7505	5400	7422
Apr-07	7626	5400	7616
May-07	7490	5400	7452
Jun-07	7592	5400	7442
Jul-07	7710	5590	7656
Aug-07	7657	5884	7619
Sep-07	7822	6007	7855
Oct-07	7618	6016	7514
Nov-07	7780	5900	7785
Dec-07	7460	5484	7470
Jan-08	7829	5700	7889
Feb-08	7772	5700	7765
Mar-08	7777	5700	7781
Apr-08	7824	5700	7845
May-08	7865	5729	7849
Jun-08	7913	5760	7882
Jul-08	7942	5477	7935
Aug-08	7911	5519	7890
Sep-08	7977	5900	7983
Oct-08	7664	6000	7667
Nov-08	7877	6000	7919
Dec-08	7435	6000	7402
Jan-09	7681	6000	7679
Feb-09	7800	6000	7800
Mar-09	7800	6000	7800
Apr-09	7800	6000	7800
May-09	7800	6000	7800
Jun-09	7800	6000	7800
Jul-09	7800	6000	7800
Aug-09	7800	6000	7800
Sep-09	7800	6000	7800
Oct-09	7800	6000	7800
Nov-09	7800	6000	7800
Dec-09	7800	6000	7800

Month	Injection Pressure		
	100/02-17	100/06-16	100/06-17
Jan-10	7800	6000	7800
Feb-10	7800	6000	7800
Mar-10	7800	6000	7800
Apr-10	7800	6000	7800
May-10	7800	6000	7800
Jun-10	7800	6000	7800
Jul-10	7800	6000	7800
Aug-10	7800	6000	7800
Sep-10	7800	6000	7800
Oct-10	7800	6000	7800
Nov-10	7800	6000	7800
Dec-10	7800	6000	7800
Jan-11	7645	5826	7645
Feb-11	7759	5700	7759
Mar-11	7750	5700	7750
Apr-11	7223	5700	7223
May-11	6561	5516	6561
Jun-11	7298	5780	7298
Jul-11	7741	5800	7741
Aug-11	7769	5800	7769
Sep-11	7800	5800	7800
Oct-11	7800	5748	7800
Nov-11	7800	5700	7800
Dec-11	7800	5700	7800
Jan-12	7800	5700	7800
Feb-12	7800	5700	7800
Mar-12	7800	5700	7800
Apr-12	7800	5700	7800
May-12	7800	5700	7800
Jun-12	7800	5700	7800
Jul-12	7800	5700	7800
Aug-12	7800	5700	7800
Sep-12	7670	5650	7740
Oct-12	7800	5200	7800
Nov-12	7627	5200	7627
Dec-12	7523	4916	7523

Appendix C

Souris Hartney Unit #1 Pattern Summary as of December 2011

[illegible]

Appendix D
Rates and VRR
Plots and Tables

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

Oil Formation Vol Factor : 1.05000 m3/m3

Water Formation Vol Factor : 1.00000 m3/m3

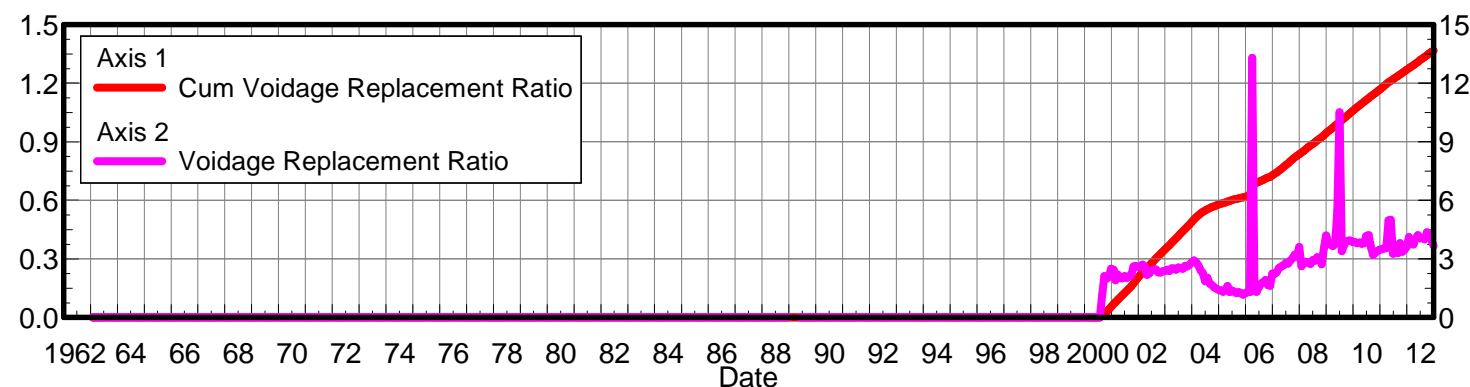
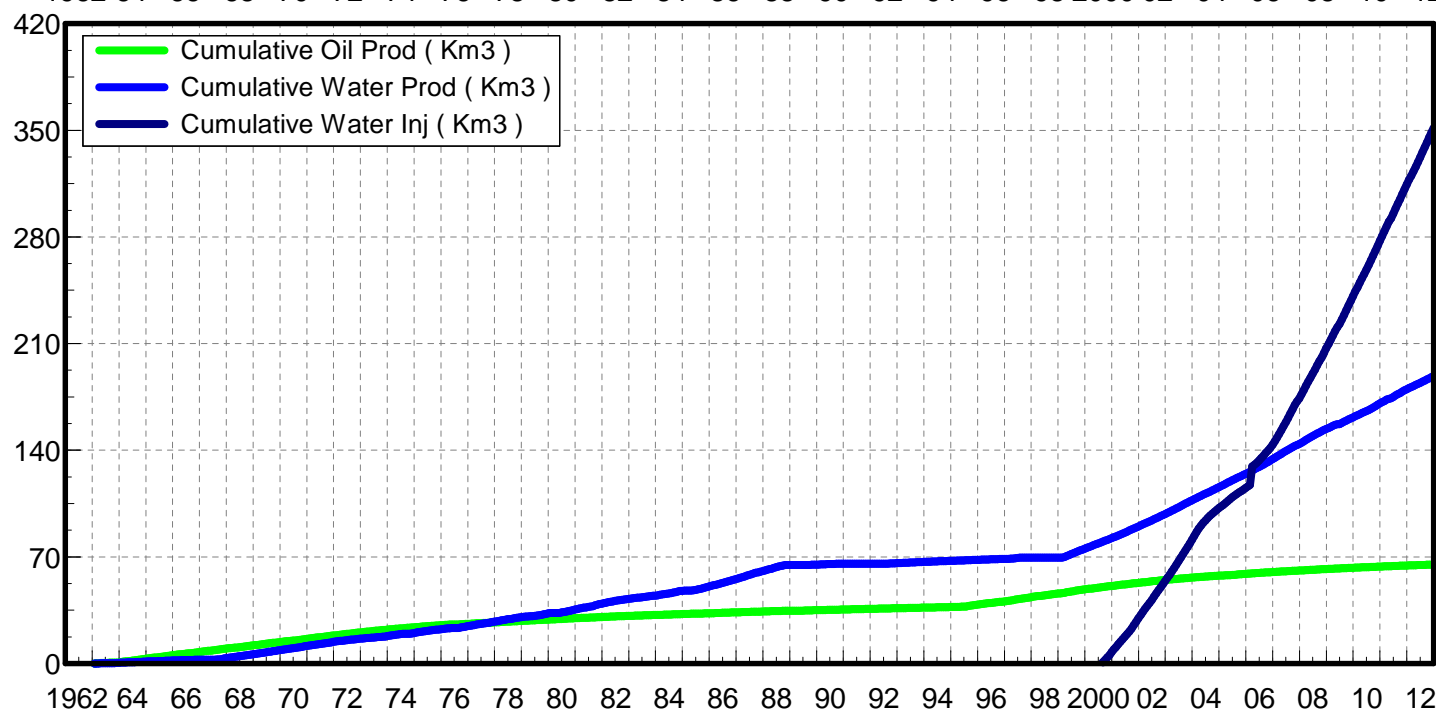
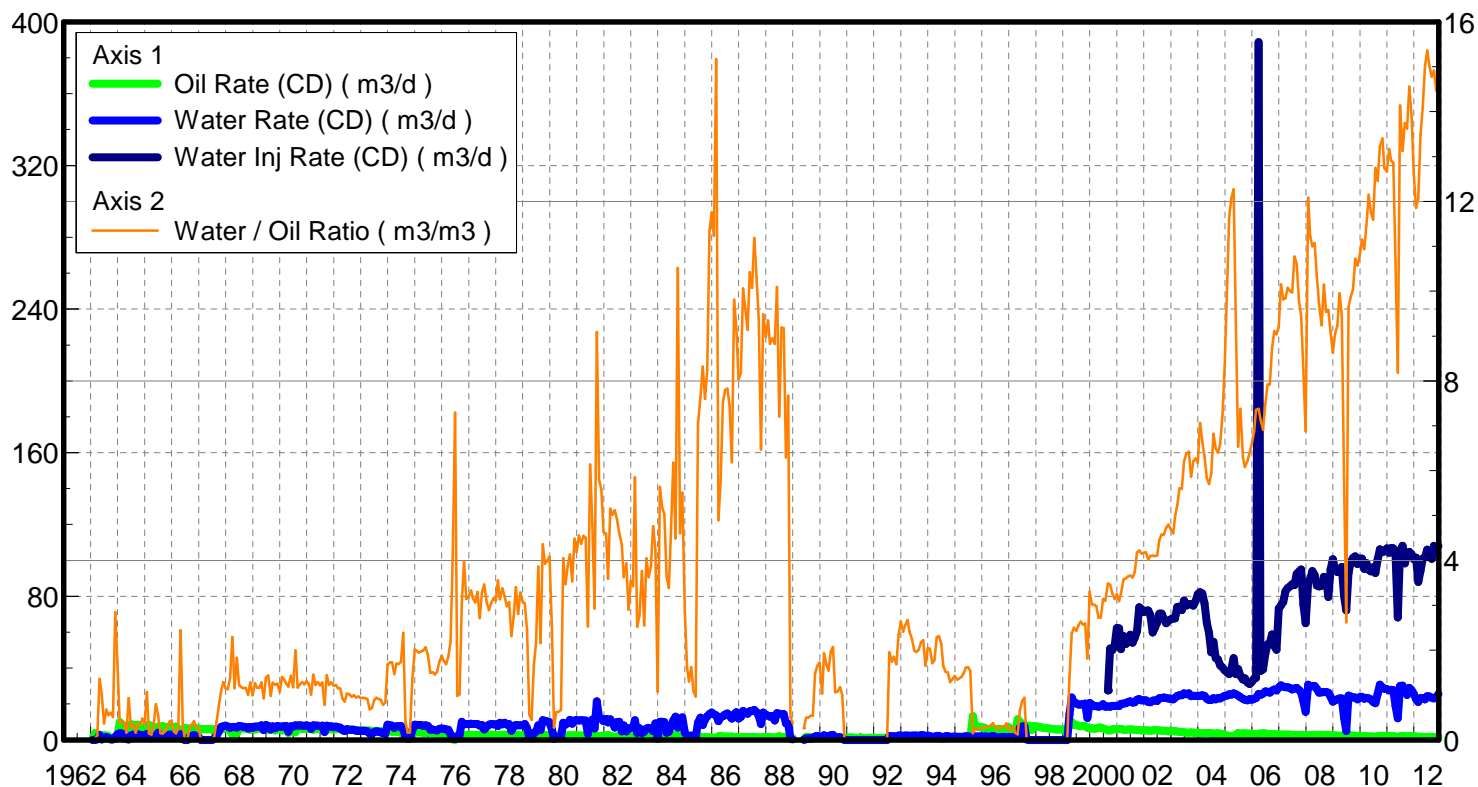
Water / Oil Ratio : 15.89 m3/m3

February 27, 2013
Operator: <Ambiguous>

Oil Rate (CD) : 1.60 m3/d

Water Rate (CD) : 25.37 m3/d

Water Inj Rate (CD) : 98.81 m3/d



Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemnt Ratio
1/31/1963	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 Replacemnt 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 Replacemnt 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

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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

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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

Pattern: 02-17-006-22 Set: SourisHartneyUnit

Oil Formation Vol Factor : 1.05000 m3/m3

Water Formation Vol Factor : 1.00000 m3/m3

Water / Oil Ratio : 45.64 m3/m3

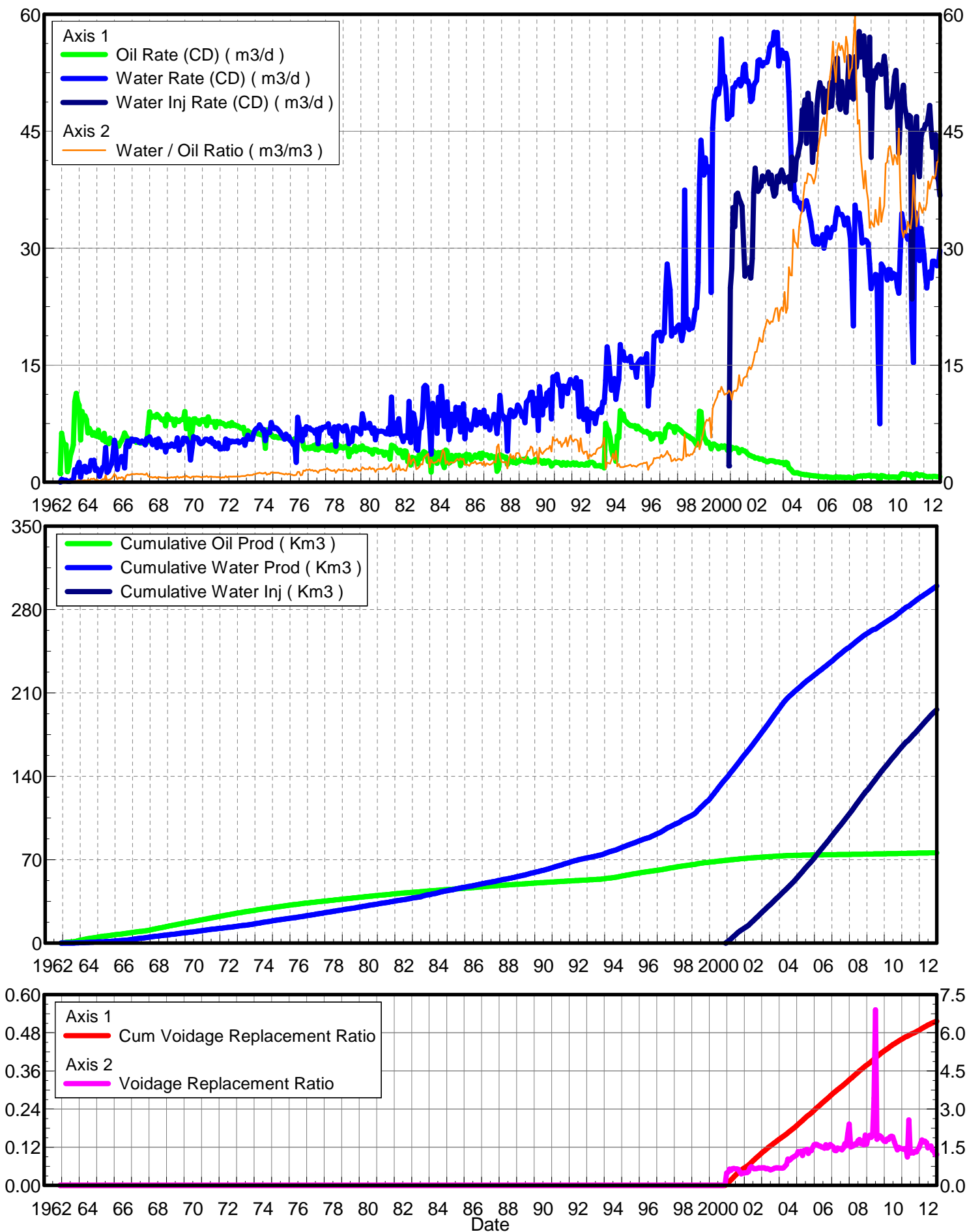
February 27, 2013

Operator: Tundra_O&G_Prtshp

Oil Rate (CD) : 0.64 m3/d

Water Rate (CD) : 29.37 m3/d

Water Inj Rate (CD) : 36.42 m3/d



Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemnt Ratio
11/30/1962	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

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
11/30/1974	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

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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

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
11/30/1986	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

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
11/30/1990	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

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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

Pattern: 06-17-006-22 Set: SourisHartneyUnit

Oil Formation Vol Factor : 1.05000 m3/m3

Water Formation Vol Factor : 1.00000 m3/m3

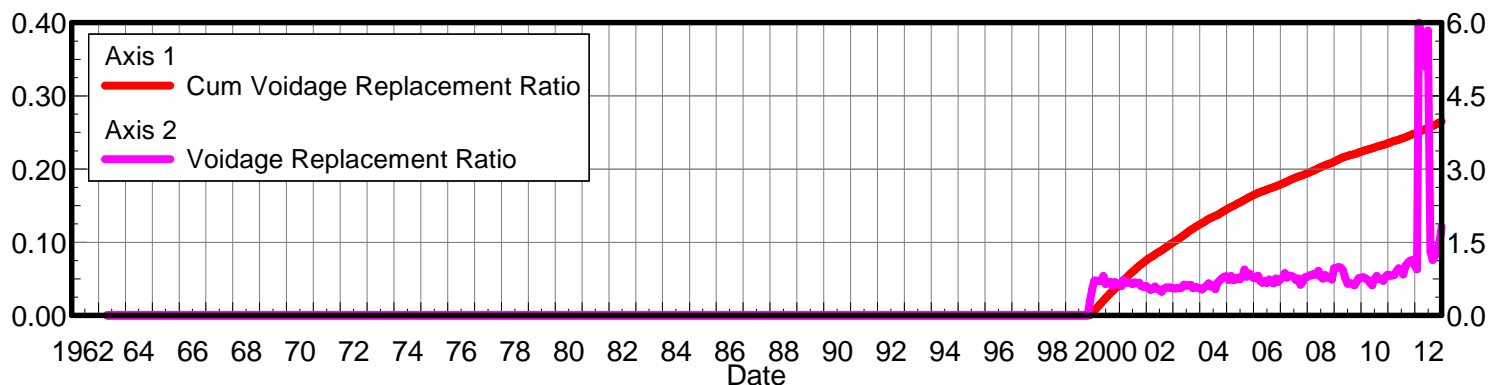
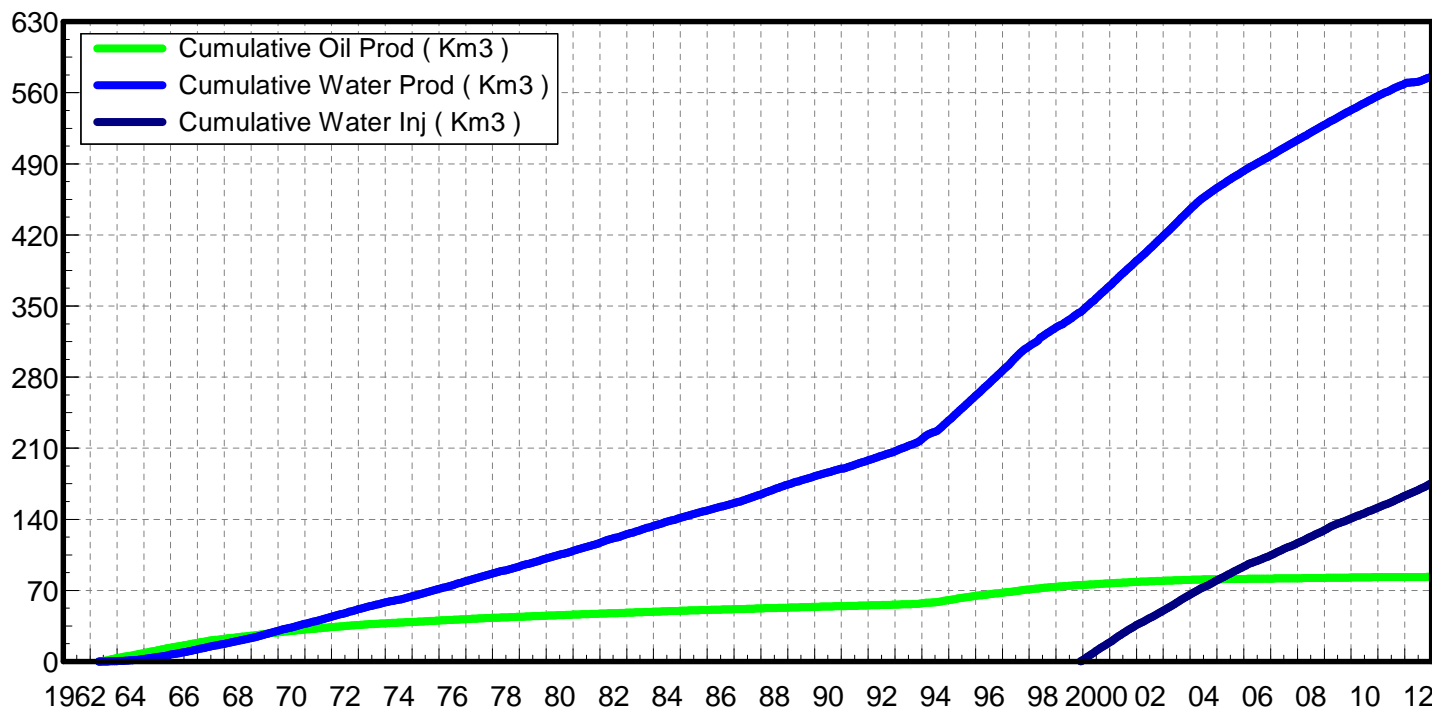
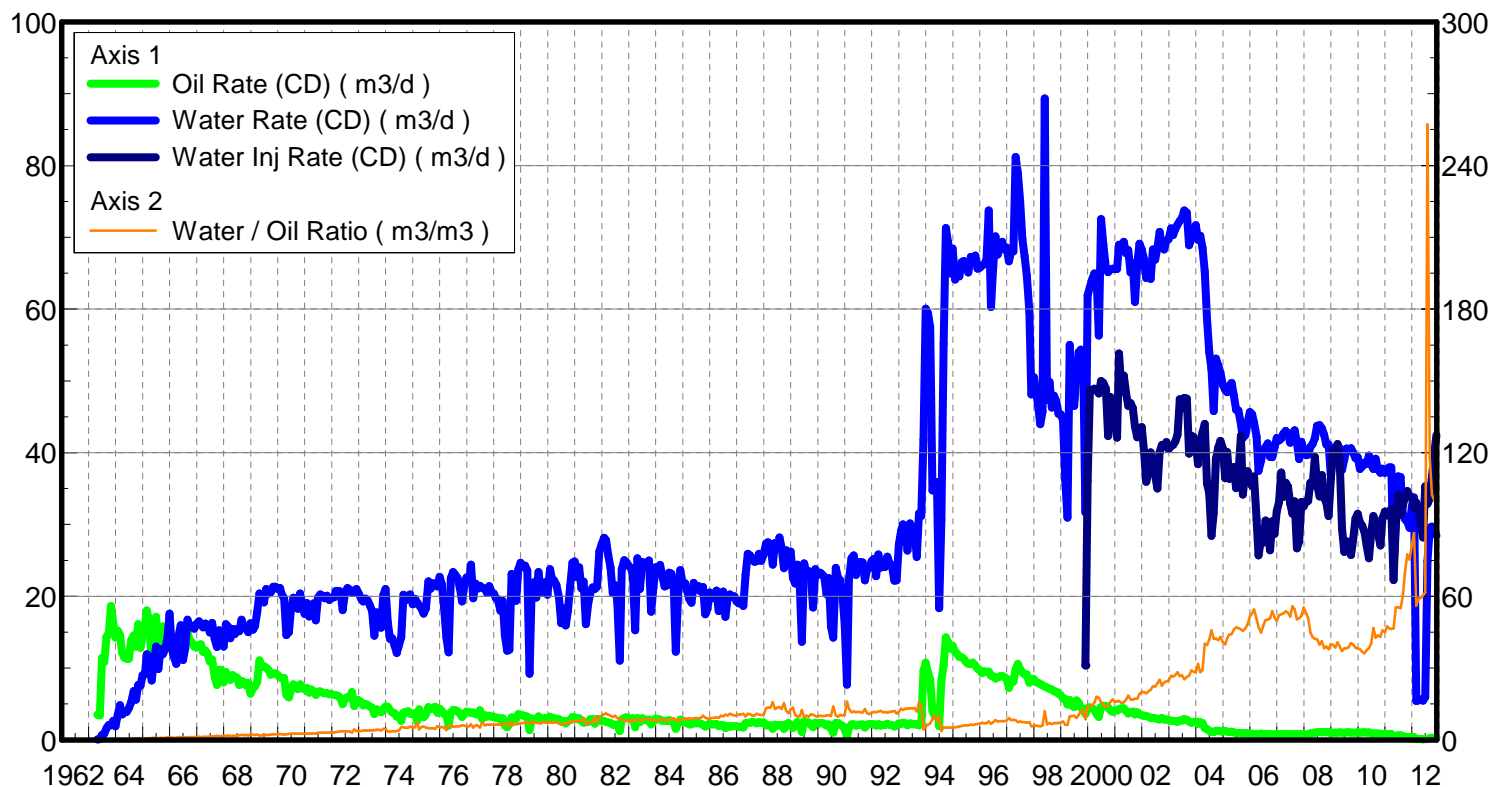
Water / Oil Ratio : 98.02 m3/m3

February 27, 2013
Operator: <Ambiguous>

Oil Rate (CD) : 0.22 m3/d

Water Rate (CD) : 21.98 m3/d

Water Inj Rate (CD) : 40.35 m3/d



Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemnt 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

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
4/30/1967	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 Replacemnt 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

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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

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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

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
4/30/1983	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

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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

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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

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
4/30/1999	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

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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

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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