

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

ANNUAL REPORT FOR 2011

March 4, 2012

Tundra Oil and Gas Partnership

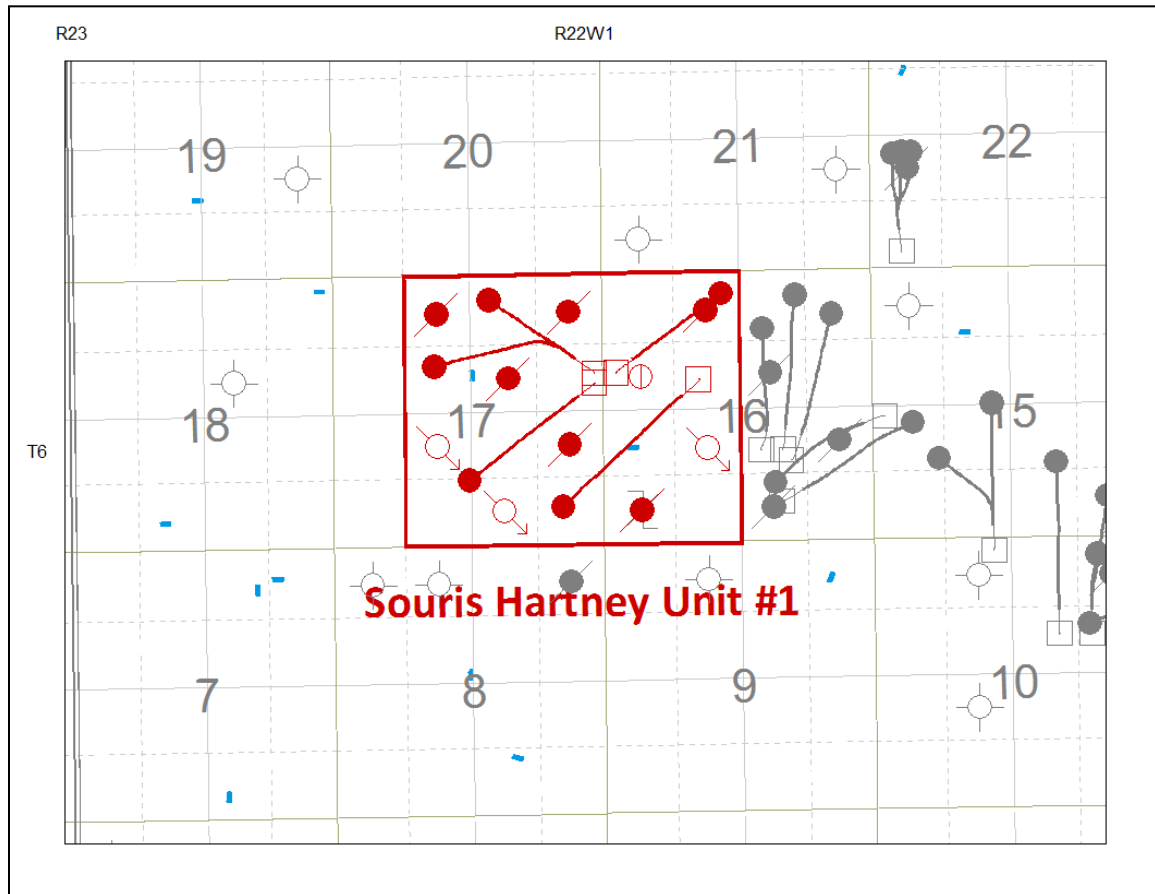
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INTRODUCTION

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 2011 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 3.3 m³/d of oil and 87 m³/d of water, in December 2011. 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

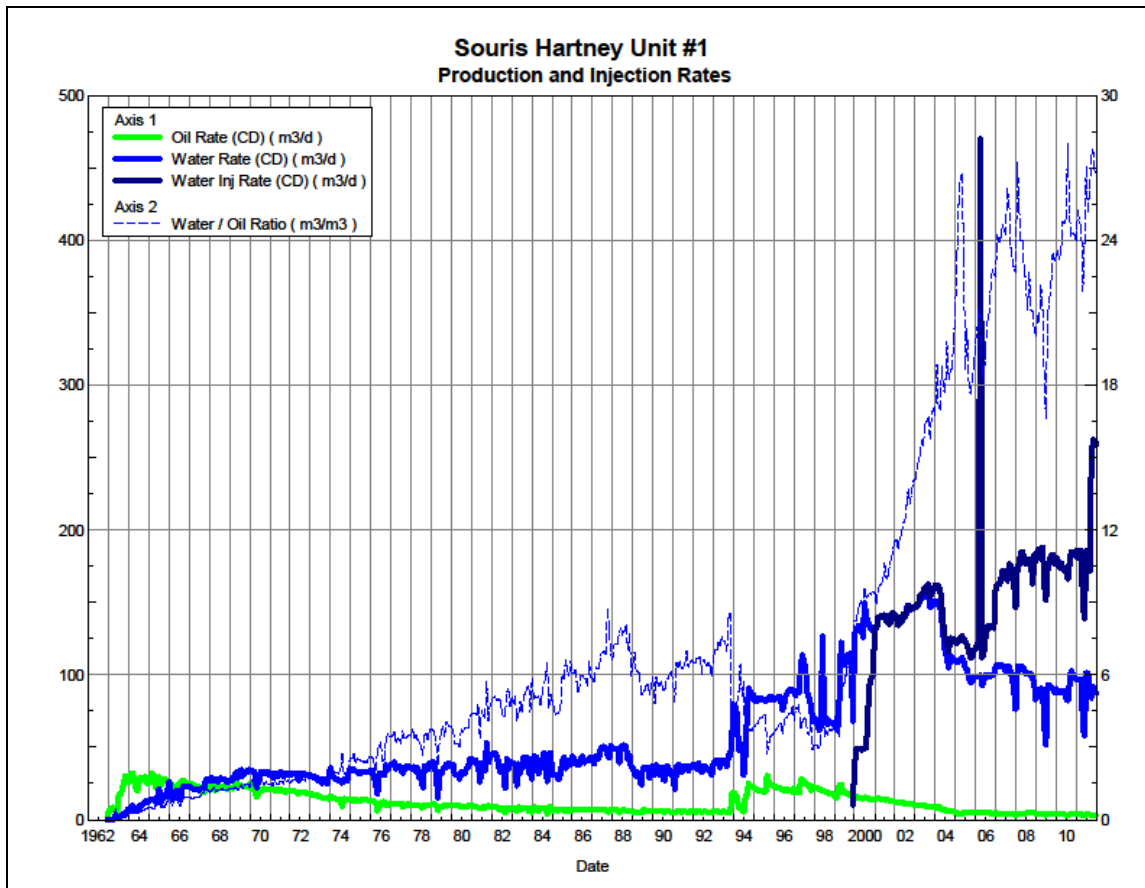
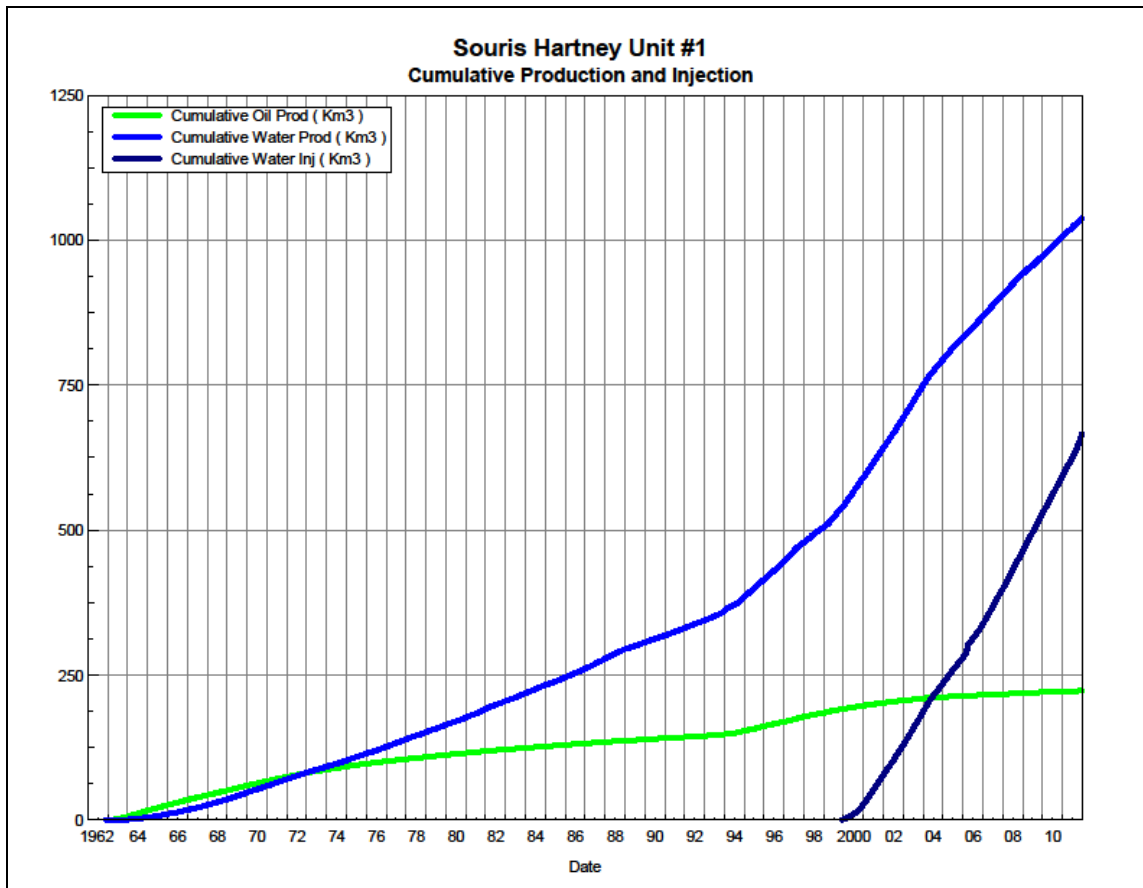


Figure 3 shows the cumulative production for Souris Hartney Unit No. 1 to the end of December 2011. Cumulative production of oil was 223 E³m³ and for water was 1039 E³m³. The cumulative water injected was 667 E³m³. The cumulative volume of oil, and water produced and fluid injected for each injection 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 2011 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 in 2011.

Well Servicing

There was no well servicing performed within Souris Hartney Unit No. 1 during 2011.

Voidage Replacement

Cumulative voidage for the Souris Hartney Unit No. 1 was 0.605 in December 2011. 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 2.1, 1.9 and 2.3 in 2009, 2010 and 2011 respectively. Souris Hartney Unit No. 1 on track to achieve 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	Producer
00/01-17-006-22W1/0	11-16-006-22W1	Producer
00/02-17-006-22W1/0		WTR Injector
00/03-17-006-22W1/0	09-17-006-22W1	Producer
00/06-17-006-22W1/0		WTR Injector
00/08-17-006-22W1/0		ABD Producer
00/10-17-006-22W1/0		ABD Producer
00/11-17-006-22W1/2	09-17-006-22W1	Capable of Oil Production
00/14-17-006-22W1/0		ABD Producer
00/15-17-006-22W1/0	09-17-006-22W1	Capable of Oil Production
00/16-17-006-22W1/0		ABD Producer

Appendix B

Average Monthly Injection Pressure (kPag)

Injection Pressure				Injection Pressure				Injection Pressure			
Month	100/02-17	100/06-16	100/06-17	Month	100/02-17	100/06-16	100/06-17	Month	100/02-17	100/06-16	100/06-17
				Jan-06	7555	4400	7548	Jan-10	7800	6000	7800
				Feb-06	7657	4400	7636	Feb-10	7800	6000	7800
				Mar-06	7510	4471	7510	Mar-10	7800	6000	7800
				Apr-06	7553	4400	7542	Apr-10	7800	6000	7800
				May-06	7740	4400	7656	May-10	7800	6000	7800
				Jun-06	7789	5120	7707	Jun-10	7800	6000	7800
				Jul-06	7824	5252	7776	Jul-10	7800	6000	7800
				Aug-06	7574	5424	7542	Aug-10	7800	6000	7800
				Sep-06	7401	5637	7353	Sep-10	7800	6000	7800
Oct-02	0	4137	7205	Oct-06	7571	5381	7520	Oct-10	7800	6000	7800
Nov-02	0	276	858	Nov-06	7640	5400	7615	Nov-10	7800	6000	7800
Dec-02	0	133	445	Dec-06	7638	5400	7648	Dec-10	7800	6000	7800
Jan-03	0	3423	4927	Jan-07	7575	5400	7600	Jan-11	7645	5826	7645
Feb-03	7316	3149	3761	Feb-07	7522	5400	7491	Feb-11	7759	5700	7759
Mar-03	7195	4275	3701	Mar-07	7505	5400	7422	Mar-11	7750	5700	7750
Apr-03	6897	3978	3550	Apr-07	7626	5400	7616	Apr-11	7223	5700	7223
May-03	7086	3981	3722	May-07	7490	5400	7452	May-11	6561	5516	6561
Jun-03	6936	4284	3662	Jun-07	7592	5400	7442	Jun-11	7298	5780	7298
Jul-03	6968	4562	3627	Jul-07	7710	5590	7656	Jul-11	7741	5800	7741
Aug-03	7435	5884	5034	Aug-07	7657	5884	7619	Aug-11	7769	5800	7769
Sep-03	7396	5132	3881	Sep-07	7822	6007	7855	Sep-11	7800	5800	7800
Oct-03	7502	4729	3913	Oct-07	7618	6016	7514	Oct-11	7800	5748	7800
Nov-03	7534	5033	3948	Nov-07	7780	5900	7785	Nov-11	7800	5700	7800
Dec-03	7480	5224	5098	Dec-07	7460	5484	7470	Dec-11	7800	5700	7800
Jan-04	7516	5240	7929	Jan-08	7829	5700	7889				
Feb-04	7516	5240	7929	Feb-08	7772	5700	7765				
Mar-04	7516	5240	7929	Mar-08	7777	5700	7781				
Apr-04	7522	5240	7958	Apr-08	7824	5700	7845				
May-04	7378	5129	7844	May-08	7865	5729	7849				
Jun-04	7770	5200	8205	Jun-08	7913	5760	7882				
Jul-04	7513	5200	7958	Jul-08	7942	5477	7935				
Aug-04	7571	4558	7953	Aug-08	7911	5519	7890				
Sep-04	8190	5073	8590	Sep-08	7977	5900	7983				
Oct-04	8150	4919	8563	Oct-08	7664	6000	7667				
Nov-04	7975	4843	8296	Nov-08	7877	6000	7919				
Dec-04	7992	4784	8060	Dec-08	7435	6000	7402				
Jan-05	7916	4632	8061	Jan-09	7681	6000	7679				
Feb-05	7800	4521	8012	Feb-09	7800	6000	7800				
Mar-05	7742	4400	7904	Mar-09	7800	6000	7800				
Apr-05	7433	4400	7390	Apr-09	7800	6000	7800				
May-05	7969	4400	7985	May-09	7800	6000	7800				
Jun-05	7806	4400	7852	Jun-09	7800	6000	7800				
Jul-05	7858	4400	7869	Jul-09	7800	6000	7800				
Aug-05	7803	4400	7702	Aug-09	7800	6000	7800				
Sep-05	7600	4473	7510	Sep-09	7800	6000	7800				
Oct-05	7598	4413	7534	Oct-09	7800	6000	7800				
Nov-05	7760	4400	7757	Nov-09	7800	6000	7800				
Dec-05	7687	4400	7687	Dec-09	7800	6000	7800				

Appendix C

Souris Hartney Unit #1 Pattern Summary as of December 2011

Pattern Name	Injector Location (006-22W1)	Status	No. of Supported Wells	Supported Wells (006-22W1)	Allocation Factor	Pattern Prod Start Month	Inj Start Month	Oil Rate (m³/d)	Water Rate (m³/d)	WOR (m³/m³)	Water Injection (m³/d)	Cum Oil (E³m³)	Cum Water (E³m³)	Cum Inj Water (E³m³)	Monthly VRR	Cum VRR
00/06-16-006-22W1 Injector	00/06-16	WTR Injection	5	01-17 HZ (Surf 12-16)	0.5	Jan 1963	Aug 2000	2.0	25.6	12.62	100.7	64.3	180.1	314.3	3.8	1.58
				04-16,12-16, 14-16, 02/14-16 HZ (Surf 11-16)	1.0											
00/02-17-006-22W1 Injector	00/02-17	WTR Injection	3	01-17 HZ (Surf 12-16), 03-17 HZ (Surf 09-17)	0.5	Sep 1963	Nov 2000	0.8	29.2	35.16	45.2	75.5	289.7	180.2	1.5	0.58
				08-17	1.0											
00/16-17-006-22W1 Injector	00/16-17	WTR Injection	6	03-17 HZ (Surf 09-17)	0.5	Apr 1963	Nov 1999	0.4	32.5	81.24	112.7	83.2	568.8	172.6	3.5	0.29
				10-17, 11-17 HZ (Surf 09-17), 14-17, 15-17 HZ (Surf 09-17), 16-17	1.0											

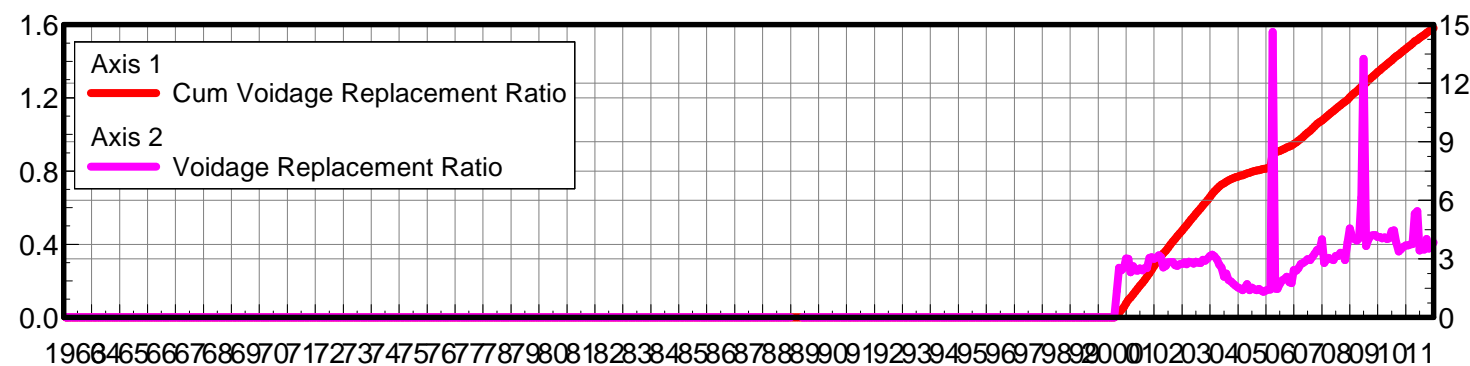
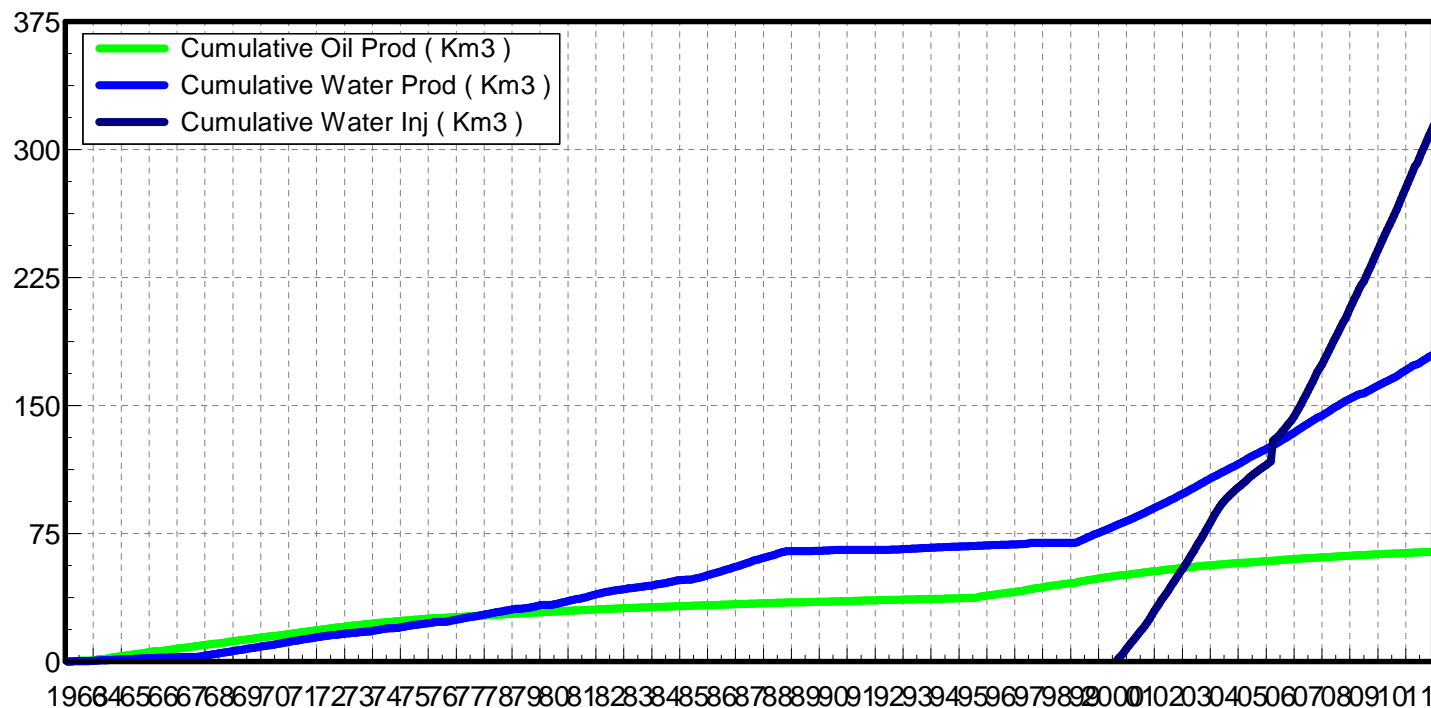
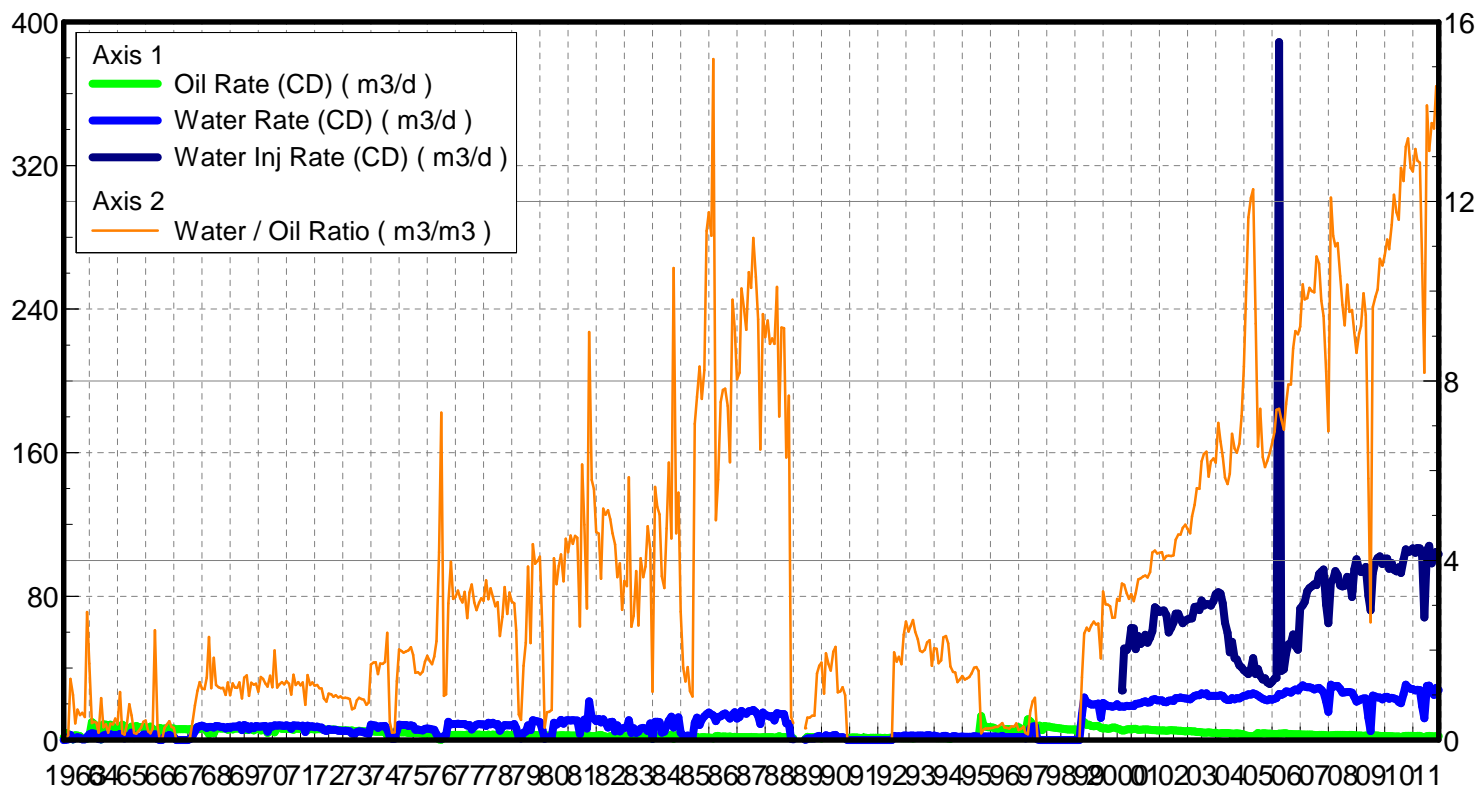
Appendix D
Rates and VRR
Plots and Tables

Pattern: 06-16-006-22 Set: Souris Hartney Unit

Oil Formation Vol. Factor : 1.05 m3/m3
 Water Formation Vol Factor : 1.00 m3/m3
 Water / Oil Ratio : 12.62 m3/m3

March 04, 2012
 Operator: <Ambiguous>

Oil Rate (CD) : 2.03 m3/d
 Water Rate (CD) : 25.60 m3/d
 Water Inj Rate (CD) : 100.65 m3/d



Date

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
1/31/1963	1.18	0.01	0.01		0.04	0.00	0.00	0.000	0.000
2/28/1963	3.93	0.15	0.04		0.15	0.00	0.00	0.000	0.000
3/31/1963	3.37	0.35	0.10		0.25	0.02	0.00	0.000	0.000
4/30/1963	2.01	2.73	1.36		0.31	0.10	0.00	0.000	0.000
5/31/1963	0.20	0.20	1.00		0.32	0.10	0.00	0.000	0.000
6/30/1963	2.54	0.93	0.37		0.39	0.13	0.00	0.000	0.000
7/31/1963	2.38	1.60	0.67		0.47	0.18	0.00	0.000	0.000
8/31/1963	2.15	1.19	0.55		0.53	0.22	0.00	0.000	0.000
9/30/1963	0.48	0.29	0.60		0.55	0.23	0.00	0.000	0.000
10/31/1963	0.47	0.24	0.51		0.56	0.23	0.00	0.000	0.000
11/30/1963	0.59	1.69	2.85		0.58	0.28	0.00	0.000	0.000
12/31/1963	1.88	3.20	1.70		0.64	0.38	0.00	0.000	0.000
1/31/1964	9.86	3.69	0.37		0.94	0.50	0.00	0.000	0.000
2/29/1964	8.80	3.57	0.41		1.20	0.60	0.00	0.000	0.000
3/31/1964	7.83	2.97	0.38		1.44	0.69	0.00	0.000	0.000
4/30/1964	3.13	0.51	0.16		1.54	0.71	0.00	0.000	0.000
5/31/1964	0.33	0.31	0.93		1.55	0.72	0.00	0.000	0.000
6/30/1964	8.62	2.45	0.28		1.81	0.79	0.00	0.000	0.000
7/31/1964	8.41	2.94	0.35		2.07	0.88	0.00	0.000	0.000
8/31/1964	8.10	1.30	0.16		2.32	0.92	0.00	0.000	0.000
9/30/1964	8.42	3.05	0.36		2.57	1.02	0.00	0.000	0.000
10/31/1964	7.36	2.54	0.34		2.80	1.09	0.00	0.000	0.000
11/30/1964	5.90	2.81	0.48		2.97	1.18	0.00	0.000	0.000
12/31/1964	6.81	2.38	0.35		3.19	1.25	0.00	0.000	0.000
1/31/1965	3.20	3.40	1.06		3.29	1.36	0.00	0.000	0.000
2/28/1965	8.48	1.26	0.15		3.52	1.39	0.00	0.000	0.000
3/31/1965	7.53	0.89	0.12		3.76	1.42	0.00	0.000	0.000
4/30/1965	6.06	1.98	0.33		3.94	1.48	0.00	0.000	0.000
5/31/1965	2.64	2.09	0.79		4.02	1.54	0.00	0.000	0.000
6/30/1965	7.34	3.99	0.54		4.24	1.66	0.00	0.000	0.000
7/31/1965	6.02	0.92	0.15		4.43	1.69	0.00	0.000	0.000
8/31/1965	7.69	1.10	0.14		4.67	1.73	0.00	0.000	0.000
9/30/1965	7.02	1.37	0.19		4.88	1.77	0.00	0.000	0.000
10/31/1965	7.14	1.97	0.28		5.10	1.83	0.00	0.000	0.000
11/30/1965	7.32	2.93	0.40		5.32	1.92	0.00	0.000	0.000
12/31/1965	6.96	3.01	0.43		5.53	2.01	0.00	0.000	0.000
1/31/1966	6.19	1.16	0.19		5.72	2.05	0.00	0.000	0.000
2/28/1966	7.34	1.07	0.15		5.93	2.08	0.00	0.000	0.000
3/31/1966	6.20	1.58	0.26		6.12	2.13	0.00	0.000	0.000
4/30/1966	1.28	3.13	2.45		6.16	2.22	0.00	0.000	0.000
5/31/1966	1.35	0.44	0.32		6.20	2.23	0.00	0.000	0.000
6/30/1966	6.64	0.00	0.00		6.40	2.23	0.00	0.000	0.000
7/31/1966	6.11	0.00	0.00		6.59	2.23	0.00	0.000	0.000
8/31/1966	6.40	1.72	0.27		6.79	2.29	0.00	0.000	0.000
9/30/1966	6.36	2.14	0.34		6.98	2.35	0.00	0.000	0.000
10/31/1966	6.65	2.76	0.42		7.19	2.44	0.00	0.000	0.000
11/30/1966	6.40	1.83	0.29		7.38	2.49	0.00	0.000	0.000
12/31/1966	6.34	1.69	0.27		7.57	2.54	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
1/31/1967	5.72	0.00	0.00		7.75	2.54	0.00	0.000	0.000
2/28/1967	5.97	0.00	0.00		7.92	2.54	0.00	0.000	0.000
3/31/1967	6.01	0.00	0.00		8.11	2.54	0.00	0.000	0.000
4/30/1967	5.92	0.00	0.00		8.28	2.54	0.00	0.000	0.000
5/31/1967	6.00	0.00	0.00		8.47	2.54	0.00	0.000	0.000
6/30/1967	5.75	0.00	0.00		8.64	2.54	0.00	0.000	0.000
7/31/1967	5.94	0.41	0.07		8.83	2.56	0.00	0.000	0.000
8/31/1967	5.78	2.41	0.42		9.00	2.63	0.00	0.000	0.000
9/30/1967	6.15	4.72	0.77		9.19	2.77	0.00	0.000	0.000
10/31/1967	6.63	7.25	1.09		9.39	3.00	0.00	0.000	0.000
11/30/1967	5.94	7.63	1.29		9.57	3.23	0.00	0.000	0.000
12/31/1967	7.04	8.04	1.14		9.79	3.47	0.00	0.000	0.000
1/31/1968	6.51	7.35	1.13		9.99	3.70	0.00	0.000	0.000
2/29/1968	4.88	6.78	1.39		10.13	3.90	0.00	0.000	0.000
3/31/1968	3.15	7.21	2.29		10.23	4.12	0.00	0.000	0.000
4/30/1968	6.24	7.20	1.15		10.42	4.34	0.00	0.000	0.000
5/31/1968	3.73	6.82	1.83		10.53	4.55	0.00	0.000	0.000
6/30/1968	6.38	7.80	1.22		10.73	4.78	0.00	0.000	0.000
7/31/1968	6.45	7.56	1.17		10.93	5.02	0.00	0.000	0.000
8/31/1968	6.33	7.29	1.15		11.12	5.24	0.00	0.000	0.000
9/30/1968	6.28	7.30	1.16		11.31	5.46	0.00	0.000	0.000
10/31/1968	6.36	6.39	1.00		11.51	5.66	0.00	0.000	0.000
11/30/1968	5.67	7.26	1.28		11.68	5.88	0.00	0.000	0.000
12/31/1968	6.77	6.73	0.99		11.89	6.09	0.00	0.000	0.000
1/31/1969	5.82	7.34	1.26		12.07	6.32	0.00	0.000	0.000
2/28/1969	6.36	7.43	1.17		12.25	6.52	0.00	0.000	0.000
3/31/1969	6.42	7.43	1.16		12.44	6.75	0.00	0.000	0.000
4/30/1969	6.30	8.06	1.28		12.63	7.00	0.00	0.000	0.000
5/31/1969	5.88	5.42	0.92		12.82	7.16	0.00	0.000	0.000
6/30/1969	5.92	8.22	1.39		12.99	7.41	0.00	0.000	0.000
7/31/1969	5.46	7.85	1.44		13.16	7.65	0.00	0.000	0.000
8/31/1969	5.87	5.75	0.98		13.35	7.83	0.00	0.000	0.000
9/30/1969	5.91	7.51	1.27		13.52	8.06	0.00	0.000	0.000
10/31/1969	5.30	6.51	1.23		13.69	8.26	0.00	0.000	0.000
11/30/1969	6.19	7.73	1.25		13.87	8.49	0.00	0.000	0.000
12/31/1969	6.94	7.47	1.08		14.09	8.72	0.00	0.000	0.000
1/31/1970	5.23	7.35	1.40		14.25	8.95	0.00	0.000	0.000
2/28/1970	5.53	7.51	1.36		14.40	9.16	0.00	0.000	0.000
3/31/1970	6.18	7.76	1.26		14.60	9.40	0.00	0.000	0.000
4/30/1970	3.79	4.51	1.19		14.71	9.54	0.00	0.000	0.000
5/31/1970	5.33	7.63	1.43		14.87	9.77	0.00	0.000	0.000
6/30/1970	6.38	7.47	1.17		15.07	10.00	0.00	0.000	0.000
7/31/1970	4.12	8.21	1.99		15.19	10.25	0.00	0.000	0.000
8/31/1970	6.76	7.87	1.16		15.40	10.50	0.00	0.000	0.000
9/30/1970	6.63	8.21	1.24		15.60	10.74	0.00	0.000	0.000
10/31/1970	6.10	7.87	1.29		15.79	10.99	0.00	0.000	0.000
11/30/1970	6.22	7.71	1.24		15.98	11.22	0.00	0.000	0.000
12/31/1970	6.22	8.16	1.31		16.17	11.47	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
1/31/1971	6.19	7.76	1.25		16.36	11.71	0.00	0.000	0.000
2/28/1971	6.06	6.12	1.01		16.53	11.88	0.00	0.000	0.000
3/31/1971	5.63	8.20	1.46		16.71	12.14	0.00	0.000	0.000
4/30/1971	6.52	7.98	1.22		16.90	12.38	0.00	0.000	0.000
5/31/1971	6.17	7.95	1.29		17.09	12.62	0.00	0.000	0.000
6/30/1971	6.19	7.53	1.22		17.28	12.85	0.00	0.000	0.000
7/31/1971	6.15	7.89	1.28		17.47	13.09	0.00	0.000	0.000
8/31/1971	5.72	4.46	0.78		17.65	13.23	0.00	0.000	0.000
9/30/1971	5.47	7.88	1.44		17.81	13.47	0.00	0.000	0.000
10/31/1971	6.11	7.48	1.22		18.00	13.70	0.00	0.000	0.000
11/30/1971	5.94	7.62	1.28		18.18	13.93	0.00	0.000	0.000
12/31/1971	5.86	7.10	1.21		18.36	14.15	0.00	0.000	0.000
1/31/1972	6.04	7.39	1.22		18.55	14.38	0.00	0.000	0.000
2/29/1972	5.94	6.83	1.15		18.72	14.58	0.00	0.000	0.000
3/31/1972	6.01	6.87	1.14		18.91	14.79	0.00	0.000	0.000
4/30/1972	5.95	5.49	0.92		19.09	14.95	0.00	0.000	0.000
5/31/1972	5.67	4.85	0.86		19.26	15.10	0.00	0.000	0.000
6/30/1972	5.75	5.92	1.03		19.43	15.28	0.00	0.000	0.000
7/31/1972	5.55	5.65	1.02		19.61	15.46	0.00	0.000	0.000
8/31/1972	5.85	5.59	0.96		19.79	15.63	0.00	0.000	0.000
9/30/1972	5.56	5.55	1.00		19.95	15.80	0.00	0.000	0.000
10/31/1972	5.46	5.18	0.95		20.12	15.96	0.00	0.000	0.000
11/30/1972	5.36	5.16	0.96		20.28	16.11	0.00	0.000	0.000
12/31/1972	5.32	4.94	0.93		20.45	16.26	0.00	0.000	0.000
1/31/1973	5.34	5.02	0.94		20.61	16.42	0.00	0.000	0.000
2/28/1973	5.20	4.84	0.93		20.76	16.56	0.00	0.000	0.000
3/31/1973	5.16	4.70	0.91		20.92	16.70	0.00	0.000	0.000
4/30/1973	5.23	3.55	0.68		21.08	16.81	0.00	0.000	0.000
5/31/1973	4.76	3.37	0.71		21.22	16.91	0.00	0.000	0.000
6/30/1973	4.94	4.36	0.88		21.37	17.04	0.00	0.000	0.000
7/31/1973	5.04	4.74	0.94		21.53	17.19	0.00	0.000	0.000
8/31/1973	4.97	4.51	0.91		21.68	17.33	0.00	0.000	0.000
9/30/1973	4.76	4.26	0.90		21.83	17.46	0.00	0.000	0.000
10/31/1973	4.72	3.69	0.78		21.97	17.57	0.00	0.000	0.000
11/30/1973	3.90	3.24	0.83		22.09	17.67	0.00	0.000	0.000
12/31/1973	5.01	8.43	1.68		22.24	17.93	0.00	0.000	0.000
1/31/1974	4.76	8.21	1.72		22.39	18.18	0.00	0.000	0.000
2/28/1974	4.60	7.96	1.73		22.52	18.41	0.00	0.000	0.000
3/31/1974	4.56	6.67	1.46		22.66	18.61	0.00	0.000	0.000
4/30/1974	4.50	7.64	1.70		22.80	18.84	0.00	0.000	0.000
5/31/1974	4.52	7.64	1.69		22.94	19.08	0.00	0.000	0.000
6/30/1974	4.43	7.69	1.74		23.07	19.31	0.00	0.000	0.000
7/31/1974	2.41	5.75	2.39		23.14	19.49	0.00	0.000	0.000
8/31/1974	4.25	1.72	0.40		23.28	19.54	0.00	0.000	0.000
9/30/1974	3.95	0.65	0.16		23.39	19.56	0.00	0.000	0.000
10/31/1974	3.87	0.64	0.17		23.51	19.58	0.00	0.000	0.000
11/30/1974	3.94	5.16	1.31		23.63	19.74	0.00	0.000	0.000
12/31/1974	4.17	8.40	2.01		23.76	20.00	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
1/31/1975	4.19	8.29	1.98		23.89	20.25	0.00	0.000	0.000
2/28/1975	4.26	8.29	1.95		24.01	20.49	0.00	0.000	0.000
3/31/1975	4.18	8.24	1.97		24.14	20.74	0.00	0.000	0.000
4/30/1975	3.89	7.76	1.99		24.26	20.97	0.00	0.000	0.000
5/31/1975	3.92	8.09	2.07		24.38	21.23	0.00	0.000	0.000
6/30/1975	4.08	7.73	1.89		24.50	21.46	0.00	0.000	0.000
7/31/1975	3.79	5.66	1.49		24.62	21.63	0.00	0.000	0.000
8/31/1975	3.81	5.75	1.51		24.74	21.81	0.00	0.000	0.000
9/30/1975	3.69	5.38	1.46		24.85	21.97	0.00	0.000	0.000
10/31/1975	3.46	5.28	1.52		24.96	22.14	0.00	0.000	0.000
11/30/1975	3.54	6.18	1.74		25.06	22.32	0.00	0.000	0.000
12/31/1975	3.43	6.41	1.87		25.17	22.52	0.00	0.000	0.000
1/31/1976	3.53	6.19	1.76		25.28	22.71	0.00	0.000	0.000
2/29/1976	3.43	5.80	1.69		25.38	22.88	0.00	0.000	0.000
3/31/1976	3.05	5.65	1.86		25.47	23.06	0.00	0.000	0.000
4/30/1976	1.44	3.16	2.20		25.51	23.15	0.00	0.000	0.000
5/31/1976	0.30	1.24	4.18		25.52	23.19	0.00	0.000	0.000
6/30/1976	0.08	0.58	7.29		25.53	23.21	0.00	0.000	0.000
7/31/1976	2.02	1.98	0.98		25.59	23.27	0.00	0.000	0.000
8/31/1976	2.67	2.71	1.02		25.67	23.35	0.00	0.000	0.000
9/30/1976	3.31	10.07	3.04		25.77	23.65	0.00	0.000	0.000
10/31/1976	2.16	8.59	3.97		25.84	23.92	0.00	0.000	0.000
11/30/1976	2.79	8.76	3.14		25.92	24.18	0.00	0.000	0.000
12/31/1976	2.78	8.86	3.18		26.01	24.46	0.00	0.000	0.000
1/31/1977	2.72	9.05	3.33		26.09	24.74	0.00	0.000	0.000
2/28/1977	2.83	8.91	3.15		26.17	24.99	0.00	0.000	0.000
3/31/1977	2.86	8.77	3.06		26.26	25.26	0.00	0.000	0.000
4/30/1977	2.66	8.78	3.30		26.34	25.52	0.00	0.000	0.000
5/31/1977	2.95	7.98	2.71		26.43	25.77	0.00	0.000	0.000
6/30/1977	2.55	8.39	3.28		26.51	26.02	0.00	0.000	0.000
7/31/1977	1.69	5.86	3.47		26.56	26.20	0.00	0.000	0.000
8/31/1977	2.40	7.37	3.07		26.63	26.43	0.00	0.000	0.000
9/30/1977	2.90	8.40	2.89		26.72	26.68	0.00	0.000	0.000
10/31/1977	2.88	8.80	3.06		26.81	26.96	0.00	0.000	0.000
11/30/1977	2.74	8.65	3.15		26.89	27.22	0.00	0.000	0.000
12/31/1977	2.79	8.64	3.10		26.98	27.48	0.00	0.000	0.000
1/31/1978	2.19	7.80	3.56		27.05	27.73	0.00	0.000	0.000
2/28/1978	3.03	9.51	3.14		27.13	27.99	0.00	0.000	0.000
3/31/1978	2.59	8.74	3.38		27.21	28.26	0.00	0.000	0.000
4/30/1978	2.99	9.54	3.19		27.30	28.55	0.00	0.000	0.000
5/31/1978	2.84	8.44	2.98		27.39	28.81	0.00	0.000	0.000
6/30/1978	2.85	8.76	3.07		27.48	29.07	0.00	0.000	0.000
7/31/1978	2.23	5.15	2.32		27.54	29.23	0.00	0.000	0.000
8/31/1978	2.65	7.25	2.74		27.63	29.46	0.00	0.000	0.000
9/30/1978	2.42	8.24	3.41		27.70	29.71	0.00	0.000	0.000
10/31/1978	2.89	8.10	2.80		27.79	29.96	0.00	0.000	0.000
11/30/1978	2.45	8.04	3.29		27.86	30.20	0.00	0.000	0.000
12/31/1978	2.65	8.16	3.09		27.94	30.45	0.00	0.000	0.000

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

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

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
1/31/1987	1.56	12.80	8.18		33.64	55.82	0.00	0.000	0.000
2/28/1987	1.60	16.09	10.06		33.68	56.27	0.00	0.000	0.000
3/31/1987	1.57	15.08	9.60		33.73	56.74	0.00	0.000	0.000
4/30/1987	1.59	14.50	9.14		33.78	57.17	0.00	0.000	0.000
5/31/1987	1.53	15.90	10.42		33.82	57.66	0.00	0.000	0.000
6/30/1987	1.61	16.19	10.08		33.87	58.15	0.00	0.000	0.000
7/31/1987	1.49	16.67	11.19		33.92	58.67	0.00	0.000	0.000
8/31/1987	1.50	15.44	10.31		33.96	59.15	0.00	0.000	0.000
9/30/1987	1.43	13.44	9.38		34.01	59.55	0.00	0.000	0.000
10/31/1987	1.37	8.89	6.47		34.05	59.82	0.00	0.000	0.000
11/30/1987	1.60	15.21	9.49		34.10	60.28	0.00	0.000	0.000
12/31/1987	1.56	14.01	8.98		34.15	60.71	0.00	0.000	0.000
1/31/1988	1.44	13.48	9.35		34.19	61.13	0.00	0.000	0.000
2/29/1988	1.47	12.94	8.83		34.23	61.51	0.00	0.000	0.000
3/31/1988	1.48	13.21	8.94		34.28	61.92	0.00	0.000	0.000
4/30/1988	1.23	10.82	8.82		34.32	62.24	0.00	0.000	0.000
5/31/1988	1.48	14.91	10.09		34.36	62.70	0.00	0.000	0.000
6/30/1988	2.02	14.56	7.21		34.42	63.14	0.00	0.000	0.000
7/31/1988	1.56	14.37	9.19		34.47	63.59	0.00	0.000	0.000
8/31/1988	1.57	14.45	9.18		34.52	64.03	0.00	0.000	0.000
9/30/1988	1.47	9.26	6.30		34.56	64.31	0.00	0.000	0.000
10/31/1988	1.19	9.11	7.67		34.60	64.59	0.00	0.000	0.000
11/30/1988	1.13	0.57	0.51		34.63	64.61	0.00	0.000	0.000
12/31/1988	0.98	0.37	0.38		34.67	64.62	0.00	0.000	0.000
5/31/1989	0.48	0.13	0.26		34.68	64.63	0.00	0.000	0.000
6/30/1989	1.72	0.86	0.50		34.73	64.65	0.00	0.000	0.000
7/31/1989	1.53	0.76	0.50		34.78	64.68	0.00	0.000	0.000
8/31/1989	1.53	0.83	0.54		34.83	64.70	0.00	0.000	0.000
9/30/1989	1.53	0.82	0.54		34.87	64.73	0.00	0.000	0.000
10/31/1989	1.24	1.83	1.48		34.91	64.78	0.00	0.000	0.000
11/30/1989	1.34	2.21	1.65		34.95	64.85	0.00	0.000	0.000
12/31/1989	0.89	1.53	1.72		34.98	64.90	0.00	0.000	0.000
1/31/1990	1.33	1.37	1.03		35.02	64.94	0.00	0.000	0.000
2/28/1990	1.32	2.55	1.93		35.06	65.01	0.00	0.000	0.000
3/31/1990	1.27	2.15	1.69		35.10	65.08	0.00	0.000	0.000
4/30/1990	1.19	1.83	1.54		35.13	65.13	0.00	0.000	0.000
5/31/1990	1.30	2.56	1.97		35.17	65.21	0.00	0.000	0.000
6/30/1990	1.31	2.71	2.07		35.21	65.29	0.00	0.000	0.000
7/31/1990	1.32	1.40	1.06		35.25	65.34	0.00	0.000	0.000
8/31/1990	1.28	1.39	1.08		35.29	65.38	0.00	0.000	0.000
9/30/1990	1.25	1.47	1.17		35.33	65.42	0.00	0.000	0.000
10/31/1990	0.98	0.98	1.00		35.36	65.45	0.00	0.000	0.000
11/30/1990	1.15	0.00	0.00		35.39	65.45	0.00	0.000	0.000
12/31/1990	1.16	0.00	0.00		35.43	65.45	0.00	0.000	0.000
1/31/1991	1.34	0.00	0.00		35.47	65.45	0.00	0.000	0.000
2/28/1991	1.33	0.00	0.00		35.51	65.45	0.00	0.000	0.000
3/31/1991	1.32	0.00	0.00		35.55	65.45	0.00	0.000	0.000
4/30/1991	1.26	0.00	0.00		35.59	65.45	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
5/31/1991	1.08	0.00	0.00		35.62	65.45	0.00	0.000	0.000
6/30/1991	1.31	0.00	0.00		35.66	65.45	0.00	0.000	0.000
7/31/1991	1.25	0.00	0.00		35.70	65.45	0.00	0.000	0.000
8/31/1991	0.99	0.00	0.00		35.73	65.45	0.00	0.000	0.000
9/30/1991	1.12	0.00	0.00		35.76	65.45	0.00	0.000	0.000
10/31/1991	1.15	0.00	0.00		35.80	65.45	0.00	0.000	0.000
11/30/1991	1.20	0.00	0.00		35.84	65.45	0.00	0.000	0.000
12/31/1991	1.20	0.00	0.00		35.87	65.45	0.00	0.000	0.000
1/31/1992	1.24	0.00	0.00		35.91	65.45	0.00	0.000	0.000
2/29/1992	1.05	0.00	0.00		35.94	65.45	0.00	0.000	0.000
3/31/1992	1.24	0.00	0.00		35.98	65.45	0.00	0.000	0.000
4/30/1992	1.08	0.00	0.00		36.01	65.45	0.00	0.000	0.000
5/31/1992	1.16	0.00	0.00		36.05	65.45	0.00	0.000	0.000
6/30/1992	1.19	0.00	0.00		36.08	65.45	0.00	0.000	0.000
7/31/1992	1.11	2.16	1.95		36.12	65.52	0.00	0.000	0.000
8/31/1992	1.11	1.94	1.75		36.15	65.58	0.00	0.000	0.000
9/30/1992	1.12	2.07	1.85		36.19	65.64	0.00	0.000	0.000
10/31/1992	0.99	1.67	1.69		36.22	65.69	0.00	0.000	0.000
11/30/1992	1.02	2.39	2.34		36.25	65.77	0.00	0.000	0.000
12/31/1992	0.92	2.42	2.64		36.28	65.84	0.00	0.000	0.000
1/31/1993	0.92	2.22	2.42		36.30	65.91	0.00	0.000	0.000
2/28/1993	0.93	2.37	2.54		36.33	65.98	0.00	0.000	0.000
3/31/1993	0.89	2.38	2.67		36.36	66.05	0.00	0.000	0.000
4/30/1993	0.91	2.19	2.41		36.39	66.12	0.00	0.000	0.000
5/31/1993	1.11	2.49	2.24		36.42	66.19	0.00	0.000	0.000
6/30/1993	1.21	2.41	1.99		36.46	66.27	0.00	0.000	0.000
7/31/1993	1.22	2.38	1.96		36.49	66.34	0.00	0.000	0.000
8/31/1993	1.14	2.28	2.01		36.53	66.41	0.00	0.000	0.000
9/30/1993	1.21	2.63	2.17		36.57	66.49	0.00	0.000	0.000
10/31/1993	1.13	2.51	2.22		36.60	66.57	0.00	0.000	0.000
11/30/1993	1.26	2.07	1.65		36.64	66.63	0.00	0.000	0.000
12/31/1993	1.14	2.34	2.05		36.67	66.70	0.00	0.000	0.000
1/31/1994	0.98	2.00	2.03		36.70	66.76	0.00	0.000	0.000
2/28/1994	0.97	1.67	1.71		36.73	66.81	0.00	0.000	0.000
3/31/1994	0.96	1.71	1.77		36.76	66.86	0.00	0.000	0.000
4/30/1994	0.96	2.19	2.28		36.79	66.93	0.00	0.000	0.000
5/31/1994	0.96	2.24	2.32		36.82	67.00	0.00	0.000	0.000
6/30/1994	0.83	1.79	2.15		36.85	67.05	0.00	0.000	0.000
7/31/1994	0.64	1.04	1.64		36.87	67.08	0.00	0.000	0.000
8/31/1994	1.35	2.05	1.51		36.91	67.15	0.00	0.000	0.000
9/30/1994	1.40	2.11	1.50		36.95	67.21	0.00	0.000	0.000
10/31/1994	1.39	1.78	1.29		36.99	67.27	0.00	0.000	0.000
11/30/1994	1.21	1.63	1.35		37.03	67.32	0.00	0.000	0.000
12/31/1994	1.27	1.80	1.42		37.07	67.37	0.00	0.000	0.000
1/31/1995	1.28	1.72	1.35		37.11	67.42	0.00	0.000	0.000
2/28/1995	1.25	1.71	1.37		37.14	67.47	0.00	0.000	0.000
3/31/1995	1.22	1.71	1.40		37.18	67.53	0.00	0.000	0.000
4/30/1995	1.21	1.78	1.48		37.22	67.58	0.00	0.000	0.000

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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	1.367	0.009
9/30/2000	5.33	18.41	3.45	50.93	50.34	80.53	2.38	2.552	0.025
10/31/2000	5.83	19.02	3.26	50.10	50.52	81.12	3.93	2.419	0.041
11/30/2000	5.99	18.78	3.14	52.40	50.70	81.68	5.51	2.554	0.057
12/31/2000	5.82	18.91	3.25	62.39	50.88	82.27	7.44	3.029	0.077
1/31/2001	6.11	18.90	3.09	62.06	51.07	82.86	9.36	3.002	0.096
2/28/2001	6.13	20.03	3.27	50.50	51.24	83.42	10.78	2.316	0.110
3/31/2001	5.67	20.30	3.58	57.84	51.42	84.05	12.57	2.636	0.127
4/30/2001	5.67	20.39	3.60	53.33	51.59	84.66	14.17	2.421	0.142
5/31/2001	5.81	21.14	3.64	54.68	51.77	85.31	15.87	2.396	0.158
6/30/2001	5.88	21.52	3.66	58.50	51.95	85.96	17.62	2.519	0.174
7/31/2001	5.75	20.80	3.62	54.13	52.12	86.60	19.30	2.410	0.190
8/31/2001	5.60	20.94	3.74	56.90	52.30	87.25	21.06	2.522	0.206
9/30/2001	5.37	22.41	4.18	60.50	52.46	87.93	22.88	2.525	0.222
10/31/2001	5.37	22.66	4.22	73.90	52.62	88.63	25.17	3.052	0.242
11/30/2001	5.31	22.05	4.15	72.83	52.78	89.29	27.35	3.088	0.262
12/31/2001	5.30	22.10	4.17	71.19	52.95	89.97	29.56	3.012	0.281
1/31/2002	5.25	21.96	4.18	71.97	53.11	90.66	31.79	3.065	0.300
2/28/2002	5.25	21.09	4.02	72.11	53.26	91.25	33.81	3.189	0.317
3/31/2002	5.13	21.01	4.10	69.48	53.42	91.90	35.97	3.088	0.335
4/30/2002	5.32	21.83	4.10	59.83	53.58	92.55	37.76	2.560	0.349
5/31/2002	5.39	22.09	4.10	62.52	53.74	93.24	39.70	2.643	0.365
6/30/2002	5.26	21.62	4.11	65.27	53.90	93.89	41.66	2.821	0.381
7/31/2002	5.23	23.30	4.46	70.39	54.06	94.61	43.84	2.837	0.398
8/31/2002	5.09	23.30	4.57	70.42	54.22	95.33	46.02	2.843	0.415
9/30/2002	5.15	23.59	4.58	67.23	54.38	96.04	48.04	2.680	0.430
10/31/2002	4.91	23.20	4.73	65.00	54.53	96.76	50.05	2.641	0.445
11/30/2002	4.80	23.04	4.80	66.43	54.67	97.45	52.05	2.720	0.460
12/31/2002	4.89	23.00	4.71	67.13	54.82	98.16	54.13	2.749	0.475
1/31/2003	4.89	22.52	4.60	67.61	54.98	98.86	56.22	2.825	0.490
2/28/2003	4.72	23.52	4.98	67.68	55.11	99.52	58.12	2.719	0.503
3/31/2003	4.68	24.51	5.24	74.13	55.25	100.28	60.42	2.866	0.520
4/30/2003	4.45	24.96	5.61	74.23	55.39	101.03	62.64	2.829	0.535

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	2.766	0.551
6/30/2003	4.18	25.99	6.21	77.70	55.65	102.58	67.21	2.857	0.566
7/31/2003	3.99	25.42	6.38	74.77	55.77	103.36	69.53	2.814	0.582
8/31/2003	4.05	25.98	6.42	75.68	55.90	104.17	71.88	2.787	0.597
9/30/2003	4.14	24.29	5.87	75.53	56.02	104.90	74.14	2.964	0.612
10/31/2003	3.95	24.57	6.21	74.77	56.15	105.66	76.46	2.908	0.627
11/30/2003	3.90	24.44	6.27	77.30	56.26	106.39	78.78	3.023	0.642
12/31/2003	3.97	24.55	6.18	81.23	56.39	107.15	81.30	3.160	0.658
1/31/2004	3.47	24.51	7.07	82.23	56.49	107.91	83.85	3.223	0.675
2/29/2004	3.75	24.94	6.65	81.55	56.60	108.64	86.21	3.133	0.690
3/31/2004	3.88	24.53	6.32	76.03	56.72	109.40	88.57	2.964	0.704
4/30/2004	3.92	22.89	5.84	65.30	56.84	110.08	90.53	2.718	0.716
5/31/2004	3.89	22.16	5.70	59.68	56.96	110.77	92.38	2.563	0.726
6/30/2004	3.74	22.19	5.93	48.70	57.07	111.44	93.84	2.093	0.733
7/31/2004	3.42	23.34	6.82	54.74	57.18	112.16	95.54	2.250	0.742
8/31/2004	3.48	22.59	6.49	45.55	57.29	112.86	96.95	1.930	0.749
9/30/2004	3.64	23.31	6.40	44.87	57.40	113.56	98.29	1.842	0.755
10/31/2004	3.51	23.14	6.60	41.55	57.50	114.28	99.58	1.720	0.761
11/30/2004	3.30	23.85	7.22	40.47	57.60	114.99	100.80	1.631	0.766
12/31/2004	2.94	24.45	8.32	38.77	57.69	115.75	102.00	1.532	0.770
1/31/2005	2.42	24.70	10.20	37.55	57.77	116.52	103.16	1.478	0.774
2/28/2005	2.19	25.47	11.64	36.57	57.83	117.23	104.19	1.401	0.778
3/31/2005	2.09	25.26	12.07	39.42	57.90	118.01	105.41	1.524	0.782
4/30/2005	2.11	25.93	12.27	45.60	57.96	118.79	106.78	1.718	0.788
5/31/2005	2.74	25.42	9.28	36.71	58.04	119.58	107.91	1.401	0.791
6/30/2005	3.77	24.63	6.54	39.53	58.16	120.32	109.10	1.537	0.796
7/31/2005	3.24	23.90	7.38	35.84	58.26	121.06	110.21	1.443	0.799
8/31/2005	3.65	22.96	6.30	33.55	58.37	121.77	111.25	1.397	0.802
9/30/2005	3.67	22.34	6.08	34.27	58.48	122.44	112.28	1.464	0.806
10/31/2005	3.55	22.04	6.21	32.03	58.59	123.12	113.27	1.389	0.809
11/30/2005	3.56	22.77	6.40	31.20	58.70	123.81	114.21	1.311	0.811
12/31/2005	3.39	22.40	6.60	32.39	58.80	124.50	115.21	1.385	0.814
1/31/2006	3.33	22.90	6.87	34.23	58.91	125.21	116.27	1.434	0.817
2/28/2006	3.17	23.33	7.36	34.57	58.99	125.86	117.24	1.426	0.820
3/31/2006	3.47	25.57	7.38	388.71	59.10	126.66	129.29	14.628	0.899
4/30/2006	3.50	24.99	7.14	38.50	59.21	127.41	130.45	1.481	0.903
5/31/2006	3.74	25.86	6.92	39.35	59.32	128.21	131.67	1.461	0.906
6/30/2006	3.61	27.02	7.48	48.13	59.43	129.02	133.11	1.715	0.910
7/31/2006	3.40	26.89	7.92	53.23	59.54	129.85	134.76	1.909	0.916
8/31/2006	3.32	26.32	7.92	53.94	59.64	130.67	136.43	1.977	0.922
9/30/2006	3.13	27.36	8.73	58.77	59.73	131.49	138.19	2.079	0.929
10/31/2006	3.08	28.09	9.11	52.26	59.83	132.36	139.82	1.803	0.934
11/30/2006	3.06	27.61	9.04	50.20	59.92	133.19	141.32	1.762	0.939
12/31/2006	3.16	29.14	9.21	73.13	60.02	134.09	143.59	2.433	0.948
1/31/2007	2.99	30.34	10.15	75.00	60.11	135.03	145.91	2.403	0.957
2/28/2007	3.02	29.64	9.82	76.68	60.20	135.86	148.06	2.513	0.966
3/31/2007	2.99	29.40	9.85	82.81	60.29	136.77	150.63	2.737	0.977
4/30/2007	2.92	29.36	10.07	84.57	60.38	137.65	153.16	2.799	0.987

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	2.871	0.999
6/30/2007	2.82	28.14	9.98	86.67	60.55	139.40	158.41	2.994	1.010
7/31/2007	2.65	28.56	10.77	86.26	60.63	140.28	161.09	2.941	1.021
8/31/2007	2.74	29.01	10.60	92.42	60.72	141.18	163.95	3.101	1.033
9/30/2007	2.85	27.90	9.79	93.67	60.80	142.02	166.76	3.261	1.045
10/31/2007	2.81	26.53	9.45	94.87	60.89	142.84	169.71	3.469	1.058
11/30/2007	2.61	21.42	8.22	75.37	60.97	143.48	171.97	3.399	1.067
12/31/2007	2.27	15.61	6.88	65.06	61.04	143.97	173.98	3.999	1.076
1/31/2008	2.55	30.82	12.09	88.03	61.12	144.92	176.71	2.790	1.087
2/29/2008	2.62	29.48	11.23	89.41	61.19	145.78	179.31	2.957	1.097
3/31/2008	2.73	30.00	11.00	94.00	61.28	146.71	182.22	3.053	1.108
4/30/2008	2.71	29.97	11.07	92.00	61.36	147.61	184.98	2.992	1.119
5/31/2008	2.75	28.48	10.34	86.03	61.44	148.49	187.65	2.939	1.129
6/30/2008	2.71	26.29	9.69	85.50	61.53	149.28	190.21	3.159	1.138
7/31/2008	2.86	26.45	9.24	85.77	61.61	150.10	192.87	3.145	1.149
8/31/2008	2.63	26.69	10.15	90.90	61.70	150.92	195.69	3.311	1.160
9/30/2008	2.80	26.70	9.54	90.33	61.78	151.73	198.40	3.283	1.170
10/31/2008	2.75	26.37	9.58	79.68	61.87	152.54	200.87	2.933	1.179
11/30/2008	2.63	23.94	9.08	94.87	61.94	153.26	203.71	3.841	1.190
12/31/2008	2.48	21.35	8.63	100.65	62.02	153.92	206.83	4.560	1.203
1/31/2009	2.44	22.06	9.05	94.90	62.10	154.61	209.78	4.169	1.216
2/28/2009	2.44	22.54	9.22	93.57	62.17	155.24	212.40	4.025	1.226
3/31/2009	2.32	23.11	9.95	93.58	62.24	155.95	215.30	3.935	1.238
4/30/2009	2.44	23.06	9.47	96.40	62.31	156.65	218.19	4.057	1.249
5/31/2009	2.14	12.45	5.82	80.26	62.38	157.03	220.68	6.143	1.260
6/30/2009	1.87	4.90	2.62	72.10	62.43	157.18	222.84	13.256	1.272
7/31/2009	2.56	24.66	9.65	93.00	62.51	157.94	225.72	3.661	1.282
8/31/2009	2.45	24.15	9.87	99.03	62.59	158.69	228.79	3.983	1.294
9/30/2009	2.35	23.56	10.04	101.43	62.66	159.40	231.84	4.184	1.306
10/31/2009	2.20	23.60	10.73	102.19	62.73	160.13	235.00	4.217	1.318
11/30/2009	2.14	22.58	10.57	97.90	62.79	160.81	237.94	4.220	1.330
12/31/2009	2.21	23.88	10.79	101.10	62.86	161.55	241.07	4.123	1.341
1/31/2010	2.15	23.94	11.15	101.00	62.93	162.29	244.21	4.113	1.353
2/28/2010	2.09	22.89	10.94	95.39	62.98	162.93	246.88	4.060	1.363
3/31/2010	2.04	23.45	11.48	98.48	63.05	163.66	249.93	4.096	1.374
4/30/2010	1.90	23.07	12.15	94.80	63.10	164.35	252.77	4.014	1.384
5/31/2010	1.93	22.64	11.75	93.94	63.16	165.05	255.69	4.050	1.395
6/30/2010	1.83	21.19	11.59	96.17	63.22	165.69	258.57	4.428	1.405
7/31/2010	1.60	20.36	12.75	92.94	63.27	166.32	261.45	4.464	1.416
8/31/2010	2.06	25.61	12.45	100.48	63.33	167.11	264.57	3.834	1.427
9/30/2010	2.33	30.73	13.22	106.27	63.40	168.04	267.76	3.384	1.437
10/31/2010	2.18	29.27	13.40	104.52	63.47	168.94	271.00	3.495	1.447
11/30/2010	2.23	28.45	12.75	105.03	63.54	169.80	274.15	3.610	1.457
12/31/2010	2.23	28.31	12.67	106.77	63.61	170.67	277.46	3.688	1.467
1/31/2011	2.09	27.54	13.16	104.16	63.67	171.53	280.69	3.701	1.478
2/28/2011	2.16	27.90	12.91	106.93	63.73	172.31	283.68	3.749	1.487
3/31/2011	2.16	27.75	12.86	106.68	63.80	173.17	286.99	3.759	1.498
4/30/2011	1.77	18.79	10.62	102.63	63.85	173.73	290.07	5.317	1.509

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	5.450	1.517
6/30/2011	2.13	30.14	14.14	105.70	63.96	175.01	295.35	3.437	1.526
7/31/2011	2.30	30.23	13.13	108.13	64.03	175.95	298.70	3.500	1.536
8/31/2011	2.01	27.60	13.75	98.26	64.09	176.80	301.75	3.486	1.545
9/30/2011	1.84	25.11	13.62	103.00	64.15	177.56	304.84	4.016	1.554
10/31/2011	2.00	29.07	14.57	104.74	64.21	178.46	308.09	3.533	1.564
11/30/2011	1.99	27.70	13.90	103.47	64.27	179.29	311.19	3.659	1.573
12/31/2011	2.03	25.60	12.62	100.65	64.33	180.08	314.31	3.844	1.582

Pattern: 02-17-006-22 Set: Souris Hartney Unit

Oil Formation Vol. Factor : 1.05 m3/m3

Water Formation Vol Factor : 1.00 m3/m3

Water / Oil Ratio : 35.16 m3/m3

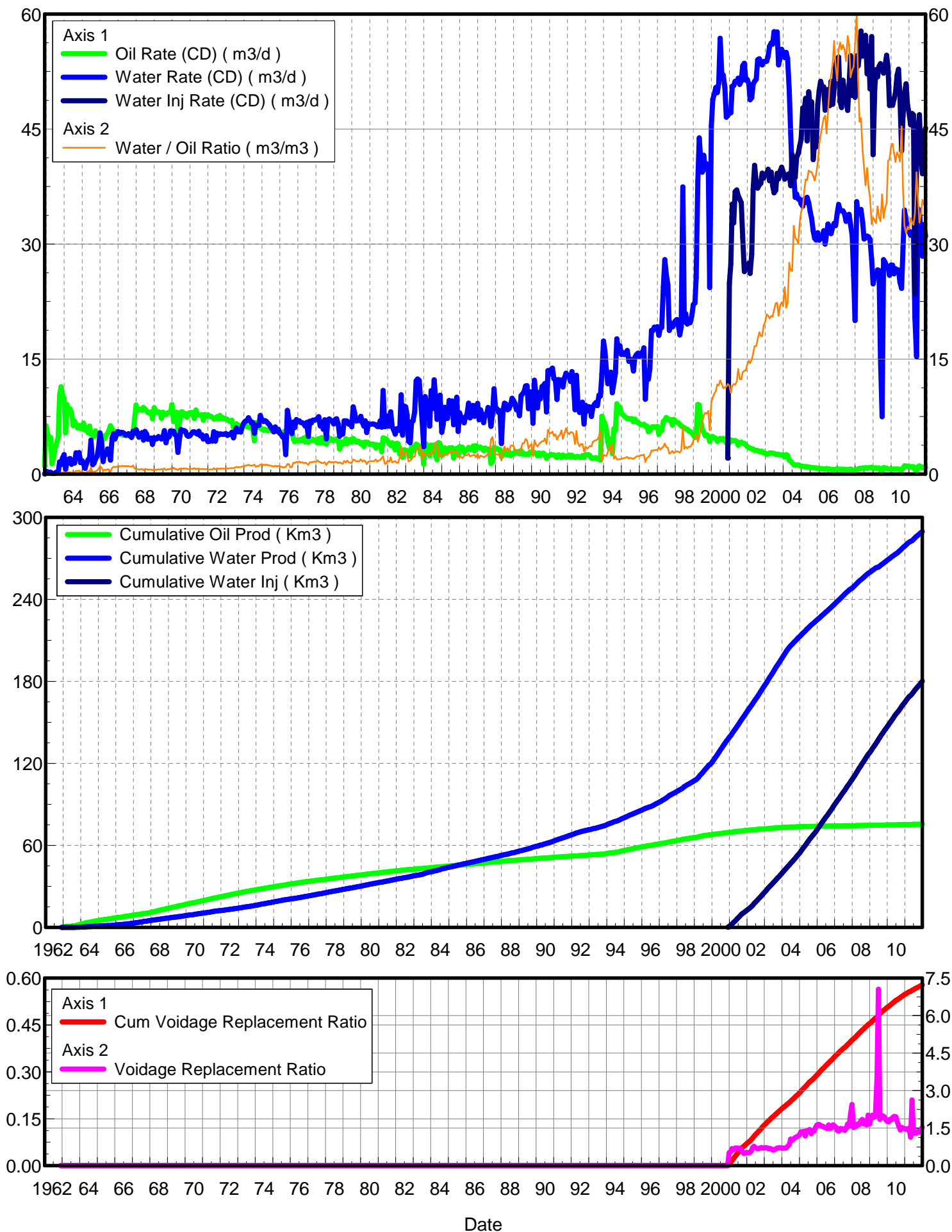
March 04, 2012

Operator: TUNDRA_OIL_&_GAS_LIMITED

Oil Rate (CD) : 0.83 m3/d

Water Rate (CD) : 29.22 m3/d

Water Inj Rate (CD) : 45.16 m3/d



Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
11/30/1962	1.08	0.02	0.02		0.03	0.00	0.00	0.000	0.000
12/31/1962	6.27	0.34	0.05		0.23	0.01	0.00	0.000	0.000
1/31/1963	5.17	0.28	0.05		0.39	0.02	0.00	0.000	0.000
2/28/1963	4.83	0.18	0.04		0.52	0.02	0.00	0.000	0.000
3/31/1963	4.79	0.24	0.05		0.67	0.03	0.00	0.000	0.000
4/30/1963	1.33	0.10	0.07		0.71	0.04	0.00	0.000	0.000
5/31/1963	2.05	0.06	0.03		0.77	0.04	0.00	0.000	0.000
6/30/1963	3.38	0.11	0.03		0.88	0.04	0.00	0.000	0.000
7/31/1963	4.04	0.21	0.05		1.00	0.05	0.00	0.000	0.000
8/31/1963	4.79	0.16	0.03		1.15	0.05	0.00	0.000	0.000
9/30/1963	10.32	1.59	0.15		1.46	0.10	0.00	0.000	0.000
10/31/1963	11.39	1.25	0.11		1.81	0.14	0.00	0.000	0.000
11/30/1963	10.31	2.07	0.20		2.12	0.20	0.00	0.000	0.000
12/31/1963	9.85	2.52	0.26		2.43	0.28	0.00	0.000	0.000
1/31/1964	5.39	0.60	0.11		2.59	0.30	0.00	0.000	0.000
2/29/1964	9.04	1.57	0.17		2.86	0.34	0.00	0.000	0.000
3/31/1964	8.25	1.95	0.24		3.11	0.40	0.00	0.000	0.000
4/30/1964	8.50	2.03	0.24		3.37	0.46	0.00	0.000	0.000
5/31/1964	8.02	1.28	0.16		3.62	0.50	0.00	0.000	0.000
6/30/1964	6.30	1.81	0.29		3.80	0.56	0.00	0.000	0.000
7/31/1964	6.89	1.44	0.21		4.02	0.60	0.00	0.000	0.000
8/31/1964	6.46	2.76	0.43		4.22	0.69	0.00	0.000	0.000
9/30/1964	6.00	2.27	0.38		4.40	0.76	0.00	0.000	0.000
10/31/1964	6.34	2.78	0.44		4.59	0.84	0.00	0.000	0.000
11/30/1964	5.95	1.47	0.25		4.77	0.89	0.00	0.000	0.000
12/31/1964	5.88	1.72	0.29		4.96	0.94	0.00	0.000	0.000
1/31/1965	6.66	1.35	0.20		5.16	0.98	0.00	0.000	0.000
2/28/1965	5.73	0.75	0.13		5.32	1.00	0.00	0.000	0.000
3/31/1965	5.82	1.38	0.24		5.50	1.05	0.00	0.000	0.000
4/30/1965	5.39	1.89	0.35		5.66	1.10	0.00	0.000	0.000
5/31/1965	6.24	2.01	0.32		5.86	1.16	0.00	0.000	0.000
6/30/1965	5.15	4.43	0.86		6.01	1.30	0.00	0.000	0.000
7/31/1965	5.39	1.22	0.23		6.18	1.34	0.00	0.000	0.000
8/31/1965	4.92	1.42	0.29		6.33	1.38	0.00	0.000	0.000
9/30/1965	5.63	1.96	0.35		6.50	1.44	0.00	0.000	0.000
10/31/1965	5.18	2.32	0.45		6.66	1.51	0.00	0.000	0.000
11/30/1965	5.02	3.44	0.69		6.81	1.61	0.00	0.000	0.000
12/31/1965	5.16	5.36	1.04		6.97	1.78	0.00	0.000	0.000
1/31/1966	5.05	4.10	0.81		7.13	1.91	0.00	0.000	0.000
2/28/1966	4.58	1.63	0.35		7.26	1.95	0.00	0.000	0.000
3/31/1966	4.61	2.69	0.58		7.40	2.04	0.00	0.000	0.000
4/30/1966	5.04	2.55	0.51		7.55	2.11	0.00	0.000	0.000
5/31/1966	5.32	3.29	0.62		7.72	2.21	0.00	0.000	0.000
6/30/1966	5.73	3.18	0.56		7.89	2.31	0.00	0.000	0.000
7/31/1966	6.29	1.81	0.29		8.08	2.37	0.00	0.000	0.000
8/31/1966	5.90	4.67	0.79		8.27	2.51	0.00	0.000	0.000
9/30/1966	5.59	5.26	0.94		8.43	2.67	0.00	0.000	0.000
10/31/1966	5.12	4.56	0.89		8.59	2.81	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
11/30/1966	5.51	5.26	0.95		8.76	2.97	0.00	0.000	0.000
12/31/1966	5.38	5.51	1.03		8.92	3.14	0.00	0.000	0.000
1/31/1967	5.26	5.25	1.00		9.09	3.30	0.00	0.000	0.000
2/28/1967	5.37	5.43	1.01		9.24	3.45	0.00	0.000	0.000
3/31/1967	5.09	5.42	1.07		9.40	3.62	0.00	0.000	0.000
4/30/1967	5.15	5.30	1.03		9.55	3.78	0.00	0.000	0.000
5/31/1967	5.08	5.08	1.00		9.71	3.94	0.00	0.000	0.000
6/30/1967	4.98	5.14	1.03		9.86	4.09	0.00	0.000	0.000
7/31/1967	5.10	5.27	1.03		10.01	4.26	0.00	0.000	0.000
8/31/1967	5.16	4.99	0.97		10.17	4.41	0.00	0.000	0.000
9/30/1967	5.03	4.79	0.95		10.33	4.55	0.00	0.000	0.000
10/31/1967	5.04	5.58	1.11		10.48	4.73	0.00	0.000	0.000
11/30/1967	7.06	5.30	0.75		10.69	4.89	0.00	0.000	0.000
12/31/1967	8.99	5.79	0.64		10.97	5.07	0.00	0.000	0.000
1/31/1968	8.28	5.39	0.65		11.23	5.23	0.00	0.000	0.000
2/29/1968	8.44	4.80	0.57		11.47	5.37	0.00	0.000	0.000
3/31/1968	8.47	5.19	0.61		11.74	5.53	0.00	0.000	0.000
4/30/1968	8.31	5.40	0.65		11.99	5.69	0.00	0.000	0.000
5/31/1968	8.67	4.42	0.51		12.25	5.83	0.00	0.000	0.000
6/30/1968	8.48	5.55	0.65		12.51	6.00	0.00	0.000	0.000
7/31/1968	8.25	5.23	0.63		12.76	6.16	0.00	0.000	0.000
8/31/1968	8.01	4.52	0.56		13.01	6.30	0.00	0.000	0.000
9/30/1968	7.94	4.65	0.59		13.25	6.44	0.00	0.000	0.000
10/31/1968	8.09	4.69	0.58		13.50	6.58	0.00	0.000	0.000
11/30/1968	7.22	3.87	0.54		13.72	6.70	0.00	0.000	0.000
12/31/1968	8.65	4.76	0.55		13.99	6.85	0.00	0.000	0.000
1/31/1969	8.31	4.57	0.55		14.24	6.99	0.00	0.000	0.000
2/28/1969	8.03	4.60	0.57		14.47	7.12	0.00	0.000	0.000
3/31/1969	8.09	4.88	0.60		14.72	7.27	0.00	0.000	0.000
4/30/1969	8.05	4.72	0.59		14.96	7.41	0.00	0.000	0.000
5/31/1969	7.25	4.55	0.63		15.19	7.55	0.00	0.000	0.000
6/30/1969	8.06	4.83	0.60		15.43	7.70	0.00	0.000	0.000
7/31/1969	7.78	5.66	0.73		15.67	7.87	0.00	0.000	0.000
8/31/1969	7.78	4.08	0.52		15.91	8.00	0.00	0.000	0.000
9/30/1969	7.96	4.99	0.63		16.15	8.15	0.00	0.000	0.000
10/31/1969	8.03	4.82	0.60		16.40	8.30	0.00	0.000	0.000
11/30/1969	8.03	5.64	0.70		16.64	8.47	0.00	0.000	0.000
12/31/1969	9.05	5.55	0.61		16.92	8.64	0.00	0.000	0.000
1/31/1970	6.83	5.58	0.82		17.13	8.81	0.00	0.000	0.000
2/28/1970	7.63	5.16	0.68		17.34	8.96	0.00	0.000	0.000
3/31/1970	8.06	5.01	0.62		17.59	9.11	0.00	0.000	0.000
4/30/1970	5.49	2.82	0.51		17.76	9.20	0.00	0.000	0.000
5/31/1970	6.60	4.46	0.68		17.96	9.34	0.00	0.000	0.000
6/30/1970	8.10	5.83	0.72		18.21	9.51	0.00	0.000	0.000
7/31/1970	8.11	5.60	0.69		18.46	9.68	0.00	0.000	0.000
8/31/1970	7.64	5.68	0.74		18.69	9.86	0.00	0.000	0.000
9/30/1970	7.88	5.56	0.71		18.93	10.03	0.00	0.000	0.000
10/31/1970	7.43	5.04	0.68		19.16	10.18	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
11/30/1970	7.90	4.90	0.62		19.40	10.33	0.00	0.000	0.000
12/31/1970	8.01	5.03	0.63		19.65	10.49	0.00	0.000	0.000
1/31/1971	7.76	5.26	0.68		19.89	10.65	0.00	0.000	0.000
2/28/1971	8.03	5.49	0.68		20.11	10.80	0.00	0.000	0.000
3/31/1971	7.25	5.50	0.76		20.34	10.97	0.00	0.000	0.000
4/30/1971	8.36	5.34	0.64		20.59	11.13	0.00	0.000	0.000
5/31/1971	7.73	5.20	0.67		20.83	11.29	0.00	0.000	0.000
6/30/1971	7.73	5.57	0.72		21.06	11.46	0.00	0.000	0.000
7/31/1971	7.70	4.96	0.64		21.30	11.62	0.00	0.000	0.000
8/31/1971	7.73	5.13	0.66		21.54	11.77	0.00	0.000	0.000
9/30/1971	7.01	4.56	0.65		21.75	11.91	0.00	0.000	0.000
10/31/1971	7.77	4.85	0.62		21.99	12.06	0.00	0.000	0.000
11/30/1971	7.50	4.98	0.66		22.21	12.21	0.00	0.000	0.000
12/31/1971	7.71	4.23	0.55		22.45	12.34	0.00	0.000	0.000
1/31/1972	7.49	4.26	0.57		22.69	12.47	0.00	0.000	0.000
2/29/1972	7.52	4.47	0.59		22.90	12.60	0.00	0.000	0.000
3/31/1972	7.39	4.30	0.58		23.13	12.74	0.00	0.000	0.000
4/30/1972	7.19	5.53	0.77		23.35	12.90	0.00	0.000	0.000
5/31/1972	7.24	4.30	0.59		23.57	13.04	0.00	0.000	0.000
6/30/1972	7.47	5.31	0.71		23.80	13.20	0.00	0.000	0.000
7/31/1972	7.20	5.07	0.70		24.02	13.35	0.00	0.000	0.000
8/31/1972	7.64	5.23	0.68		24.26	13.51	0.00	0.000	0.000
9/30/1972	7.26	5.20	0.72		24.47	13.67	0.00	0.000	0.000
10/31/1972	7.34	5.19	0.71		24.70	13.83	0.00	0.000	0.000
11/30/1972	7.20	5.20	0.72		24.92	13.99	0.00	0.000	0.000
12/31/1972	7.20	5.29	0.73		25.14	14.15	0.00	0.000	0.000
1/31/1973	7.07	5.05	0.71		25.36	14.31	0.00	0.000	0.000
2/28/1973	6.93	5.17	0.75		25.55	14.45	0.00	0.000	0.000
3/31/1973	6.87	5.18	0.75		25.77	14.61	0.00	0.000	0.000
4/30/1973	7.03	5.44	0.77		25.98	14.78	0.00	0.000	0.000
5/31/1973	6.08	4.73	0.78		26.17	14.92	0.00	0.000	0.000
6/30/1973	6.42	5.50	0.86		26.36	15.09	0.00	0.000	0.000
7/31/1973	6.58	6.00	0.91		26.56	15.27	0.00	0.000	0.000
8/31/1973	6.35	5.54	0.87		26.76	15.45	0.00	0.000	0.000
9/30/1973	6.32	5.59	0.89		26.95	15.61	0.00	0.000	0.000
10/31/1973	6.04	5.47	0.91		27.14	15.78	0.00	0.000	0.000
11/30/1973	6.25	6.22	1.00		27.32	15.97	0.00	0.000	0.000
12/31/1973	6.63	6.67	1.01		27.53	16.18	0.00	0.000	0.000
1/31/1974	6.36	6.89	1.08		27.73	16.39	0.00	0.000	0.000
2/28/1974	6.15	6.95	1.13		27.90	16.58	0.00	0.000	0.000
3/31/1974	6.14	7.34	1.20		28.09	16.81	0.00	0.000	0.000
4/30/1974	6.07	6.99	1.15		28.27	17.02	0.00	0.000	0.000
5/31/1974	6.08	6.67	1.10		28.46	17.23	0.00	0.000	0.000
6/30/1974	5.97	6.72	1.13		28.64	17.43	0.00	0.000	0.000
7/31/1974	4.33	5.30	1.22		28.77	17.59	0.00	0.000	0.000
8/31/1974	6.71	6.38	0.95		28.98	17.79	0.00	0.000	0.000
9/30/1974	6.20	6.35	1.02		29.17	17.98	0.00	0.000	0.000
10/31/1974	6.12	6.35	1.04		29.36	18.18	0.00	0.000	0.000

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
11/30/1974	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 Replacemnt 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	0.043	0.000
12/31/2000	4.09	47.12	11.53	24.90	69.51	139.16	0.83	0.516	0.005
1/31/2001	4.46	47.12	10.57	27.39	69.65	140.62	1.68	0.566	0.010
2/28/2001	4.39	50.58	11.53	35.21	69.77	142.03	2.67	0.679	0.016
3/31/2001	4.32	50.67	11.74	32.74	69.91	143.60	3.68	0.631	0.022
4/30/2001	4.39	51.22	11.68	36.83	70.04	145.14	4.79	0.702	0.029
5/31/2001	4.24	51.18	12.06	37.06	70.17	146.73	5.94	0.707	0.036
6/30/2001	3.77	51.63	13.70	36.30	70.28	148.28	7.03	0.688	0.042
7/31/2001	4.09	50.83	12.42	35.87	70.41	149.85	8.14	0.690	0.048
8/31/2001	4.15	51.24	12.35	35.39	70.54	151.44	9.24	0.675	0.054
9/30/2001	4.01	53.25	13.28	30.87	70.66	153.04	10.16	0.567	0.059
10/31/2001	3.98	53.58	13.46	26.42	70.78	154.70	10.98	0.483	0.063
11/30/2001	3.81	51.40	13.51	26.80	70.90	156.24	11.79	0.510	0.067
12/31/2001	3.61	51.48	14.26	27.06	71.01	157.84	12.62	0.515	0.071
1/31/2002	3.44	50.89	14.78	27.52	71.11	159.41	13.48	0.530	0.075
2/28/2002	3.38	48.83	14.47	26.18	71.21	160.78	14.21	0.526	0.078
3/31/2002	3.29	49.08	14.94	28.68	71.31	162.30	15.10	0.573	0.083
4/30/2002	3.24	50.85	15.70	37.13	71.41	163.83	16.21	0.717	0.088
5/31/2002	3.07	51.24	16.68	40.26	71.50	165.42	17.46	0.772	0.094
6/30/2002	3.08	51.49	16.71	38.03	71.60	166.96	18.60	0.726	0.099
7/31/2002	3.07	54.04	17.58	37.29	71.69	168.64	19.76	0.679	0.104
8/31/2002	2.93	54.17	18.50	37.71	71.78	170.32	20.93	0.685	0.110
9/30/2002	2.97	53.52	18.04	37.90	71.87	171.92	22.06	0.697	0.114
10/31/2002	2.97	53.37	17.99	39.26	71.96	173.58	23.28	0.724	0.120

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	0.707	0.125
12/31/2002	2.70	53.79	19.89	39.10	72.13	176.86	25.65	0.716	0.130
1/31/2003	2.59	53.85	20.82	39.19	72.21	178.53	26.87	0.718	0.135
2/28/2003	2.64	54.50	20.66	39.75	72.28	180.05	27.98	0.719	0.139
3/31/2003	2.75	55.80	20.29	38.26	72.37	181.78	29.16	0.676	0.144
4/30/2003	2.73	56.24	20.60	39.37	72.45	183.47	30.35	0.690	0.148
5/31/2003	2.73	56.06	20.57	37.61	72.54	185.21	31.51	0.662	0.153
6/30/2003	2.69	57.71	21.43	36.67	72.62	186.94	32.61	0.627	0.157
7/31/2003	2.55	56.84	22.27	37.00	72.70	188.70	33.76	0.643	0.161
8/31/2003	2.58	57.66	22.32	39.23	72.78	190.49	34.98	0.672	0.165
9/30/2003	2.58	53.35	20.65	38.50	72.85	192.09	36.13	0.712	0.169
10/31/2003	2.47	54.38	22.01	39.52	72.93	193.78	37.35	0.717	0.174
11/30/2003	2.47	55.40	22.40	40.03	73.00	195.44	38.56	0.713	0.178
12/31/2003	2.51	55.03	21.93	39.45	73.08	197.14	39.78	0.708	0.182
1/31/2004	2.23	54.32	24.39	38.48	73.15	198.83	40.97	0.700	0.186
2/29/2004	2.53	55.00	21.72	38.76	73.22	200.42	42.10	0.695	0.190
3/31/2004	2.43	54.21	22.33	39.06	73.30	202.10	43.31	0.711	0.194
4/30/2004	1.82	50.08	27.56	39.17	73.35	203.61	44.48	0.774	0.198
5/31/2004	1.68	44.49	26.55	37.61	73.41	204.98	45.65	0.836	0.202
6/30/2004	1.47	38.84	26.49	41.67	73.45	206.15	46.90	1.061	0.206
7/31/2004	1.21	39.10	32.37	39.90	73.49	207.36	48.13	1.011	0.211
8/31/2004	1.17	36.08	30.81	38.68	73.52	208.48	49.33	1.062	0.215
9/30/2004	1.19	36.52	30.60	41.30	73.56	209.58	50.57	1.120	0.219
10/31/2004	1.19	35.88	30.06	41.81	73.60	210.69	51.87	1.154	0.224
11/30/2004	1.10	35.85	32.74	42.80	73.63	211.76	53.15	1.184	0.228
12/31/2004	1.03	35.22	34.23	43.68	73.66	212.86	54.51	1.230	0.233
1/31/2005	1.00	34.94	34.77	47.74	73.69	213.94	55.99	1.355	0.238
2/28/2005	0.97	35.82	36.88	47.54	73.72	214.94	57.32	1.317	0.243
3/31/2005	0.92	35.43	38.41	49.00	73.75	216.04	58.84	1.373	0.248
4/30/2005	0.94	36.10	38.34	43.43	73.78	217.12	60.14	1.194	0.252
5/31/2005	0.89	35.38	39.59	49.87	73.80	218.22	61.69	1.399	0.257
6/30/2005	0.87	34.25	39.44	47.80	73.83	219.25	63.12	1.386	0.262
7/31/2005	0.85	33.35	39.38	48.55	73.86	220.28	64.63	1.445	0.267
8/31/2005	0.81	31.67	38.89	41.00	73.88	221.26	65.90	1.285	0.272
9/30/2005	0.80	30.75	38.28	43.30	73.91	222.19	67.19	1.398	0.276
10/31/2005	0.78	30.54	39.12	42.68	73.93	223.13	68.52	1.387	0.280
11/30/2005	0.78	31.47	40.61	48.20	73.95	224.08	69.96	1.521	0.285
12/31/2005	0.71	30.50	42.98	50.03	73.98	225.02	71.52	1.629	0.290
1/31/2006	0.70	30.91	44.16	51.23	74.00	225.98	73.10	1.646	0.296
2/28/2006	0.68	30.75	45.31	50.54	74.02	226.84	74.52	1.633	0.300
3/31/2006	0.68	31.74	46.41	50.52	74.04	227.82	76.08	1.582	0.305
4/30/2006	0.64	30.00	46.75	47.47	74.06	228.72	77.51	1.573	0.310
5/31/2006	0.70	31.25	44.44	48.42	74.08	229.69	79.01	1.539	0.315
6/30/2006	0.69	32.60	47.25	50.17	74.10	230.67	80.51	1.529	0.319
7/31/2006	0.64	32.15	50.46	48.03	74.12	231.67	82.00	1.485	0.324
8/31/2006	0.60	31.36	51.99	51.23	74.14	232.64	83.59	1.624	0.329
9/30/2006	0.60	32.21	53.54	48.23	74.16	233.61	85.04	1.489	0.333
10/31/2006	0.58	32.70	56.48	50.32	74.17	234.62	86.60	1.531	0.338

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	1.631	0.343
12/31/2006	0.66	34.02	51.31	54.19	74.21	236.65	89.87	1.584	0.348
1/31/2007	0.64	35.15	55.31	54.39	74.23	237.74	91.56	1.539	0.353
2/28/2007	0.61	34.46	56.27	48.57	74.25	238.70	92.92	1.402	0.357
3/31/2007	0.62	34.32	55.41	47.81	74.27	239.77	94.40	1.386	0.361
4/30/2007	0.61	34.32	55.96	51.37	74.29	240.80	95.94	1.489	0.366
5/31/2007	0.61	33.92	55.34	49.65	74.31	241.85	97.48	1.456	0.370
6/30/2007	0.61	32.95	53.87	48.77	74.32	242.84	98.94	1.472	0.374
7/31/2007	0.58	33.34	57.10	47.42	74.34	243.87	100.41	1.415	0.378
8/31/2007	0.60	33.88	56.02	50.77	74.36	244.92	101.99	1.491	0.383
9/30/2007	0.63	32.52	51.76	54.57	74.38	245.89	103.62	1.669	0.388
10/31/2007	0.59	31.11	52.70	49.39	74.40	246.86	105.16	1.579	0.392
11/30/2007	0.49	25.94	53.12	53.73	74.41	247.64	106.77	2.060	0.397
12/31/2007	0.36	20.02	56.16	49.13	74.42	248.26	108.29	2.442	0.401
1/31/2008	0.59	35.53	59.87	54.55	74.44	249.36	109.98	1.528	0.406
2/29/2008	0.66	33.95	51.28	53.24	74.46	250.34	111.53	1.559	0.410
3/31/2008	0.75	34.46	45.95	54.90	74.48	251.41	113.23	1.583	0.415
4/30/2008	0.74	34.51	46.43	57.77	74.51	252.45	114.96	1.664	0.420
5/31/2008	0.78	32.85	42.08	54.52	74.53	253.47	116.65	1.648	0.424
6/30/2008	0.77	30.67	39.92	55.40	74.55	254.39	118.31	1.793	0.429
7/31/2008	0.82	30.80	37.66	57.23	74.58	255.34	120.09	1.844	0.434
8/31/2008	0.78	31.02	39.91	52.19	74.60	256.30	121.70	1.670	0.438
9/30/2008	0.83	30.94	37.35	55.80	74.63	257.23	123.38	1.790	0.443
10/31/2008	0.85	30.57	36.10	50.23	74.65	258.18	124.94	1.630	0.447
11/30/2008	0.86	27.99	32.61	57.07	74.68	259.02	126.65	2.021	0.451
12/31/2008	0.74	24.81	33.44	41.65	74.70	259.79	127.94	1.664	0.455
1/31/2009	0.78	25.75	33.06	50.19	74.73	260.59	129.49	1.932	0.459
2/28/2009	0.79	25.91	32.75	52.75	74.75	261.31	130.97	2.018	0.463
3/31/2009	0.76	26.63	34.90	51.81	74.77	262.14	132.58	1.930	0.467
4/30/2009	0.79	26.55	33.46	53.17	74.80	262.93	134.17	1.986	0.471
5/31/2009	0.46	15.11	33.00	53.52	74.81	263.40	135.83	3.510	0.477
6/30/2009	0.20	7.48	36.47	53.13	74.82	263.63	137.43	7.051	0.482
7/31/2009	0.84	27.95	33.39	52.29	74.84	264.49	139.05	1.855	0.486
8/31/2009	0.80	27.65	34.56	53.23	74.87	265.35	140.70	1.909	0.490
9/30/2009	0.77	27.16	35.43	54.63	74.89	266.16	142.34	1.995	0.495
10/31/2009	0.66	27.08	40.85	52.97	74.91	267.00	143.98	1.942	0.499
11/30/2009	0.63	25.93	41.04	48.07	74.93	267.78	145.42	1.841	0.502
12/31/2009	0.64	27.26	42.79	48.68	74.95	268.63	146.93	1.774	0.506
1/31/2010	0.63	27.24	43.08	48.10	74.97	269.47	148.42	1.754	0.510
2/28/2010	0.62	26.12	41.91	48.89	74.99	270.20	149.79	1.859	0.513
3/31/2010	0.66	26.79	40.71	49.71	75.01	271.03	151.33	1.842	0.517
4/30/2010	0.64	26.64	41.95	52.00	75.03	271.83	152.89	1.939	0.521
5/31/2010	0.64	26.60	41.54	52.81	75.05	272.66	154.53	1.971	0.525
6/30/2010	0.61	25.01	40.78	49.17	75.07	273.41	156.00	1.952	0.529
7/31/2010	0.53	24.21	45.35	42.16	75.08	274.16	157.31	1.730	0.532
8/31/2010	0.80	29.53	37.14	46.74	75.11	275.07	158.76	1.571	0.535
9/30/2010	1.06	34.44	32.39	49.70	75.14	276.11	160.25	1.430	0.538
10/31/2010	1.05	33.04	31.37	50.90	75.17	277.13	161.83	1.527	0.541

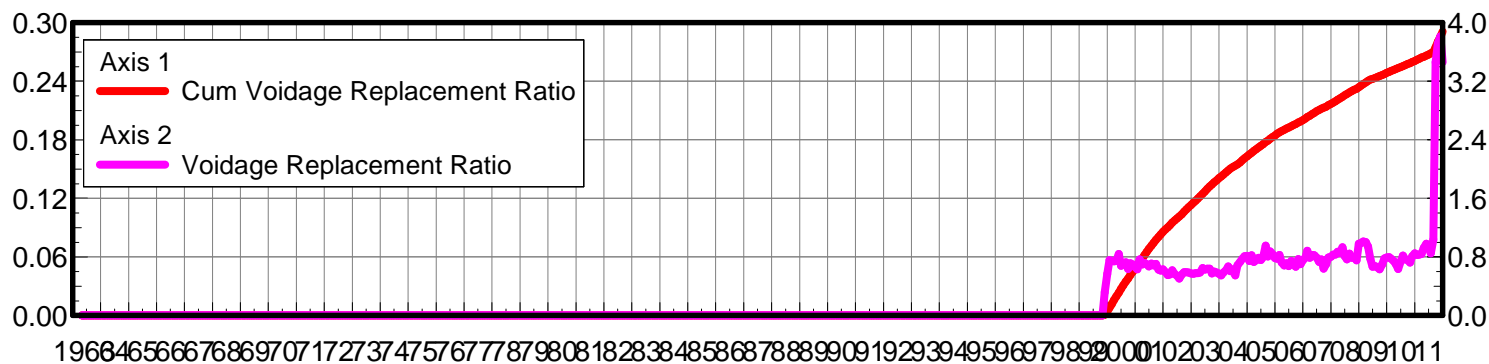
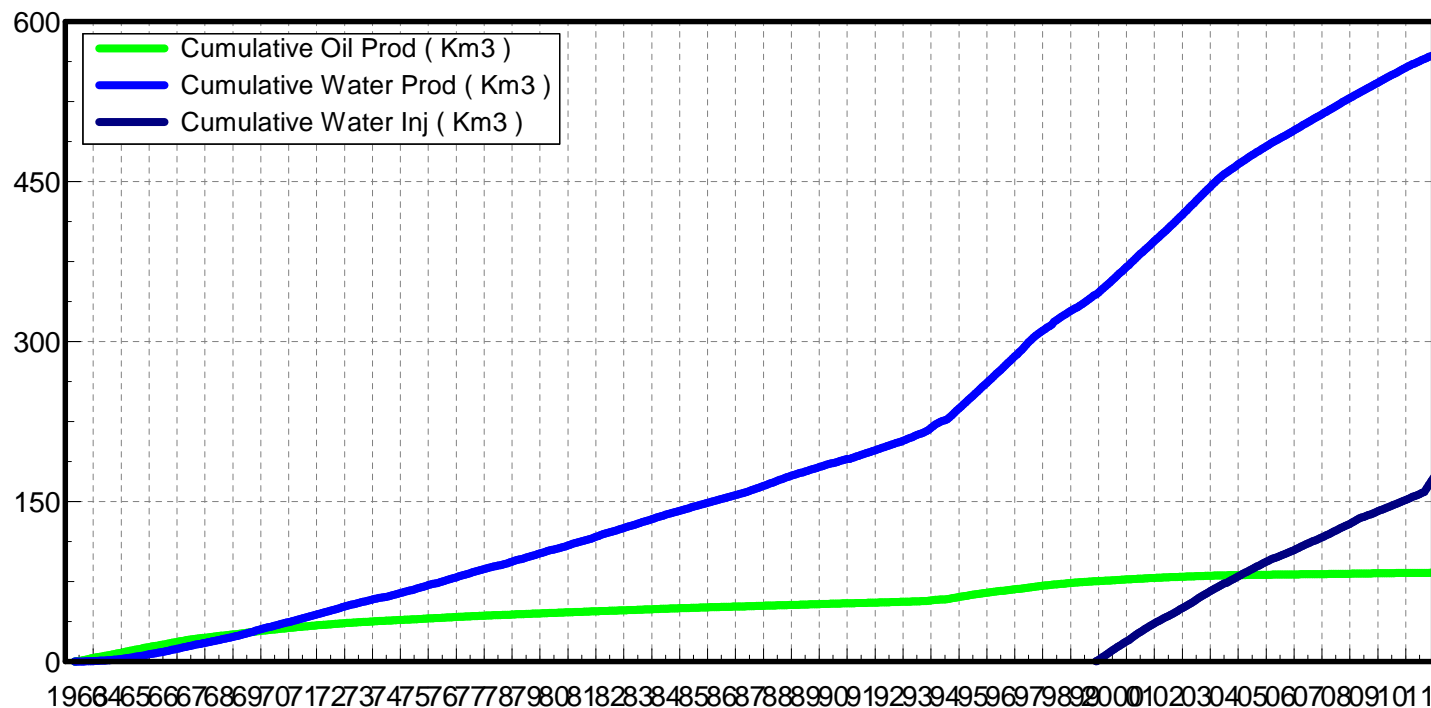
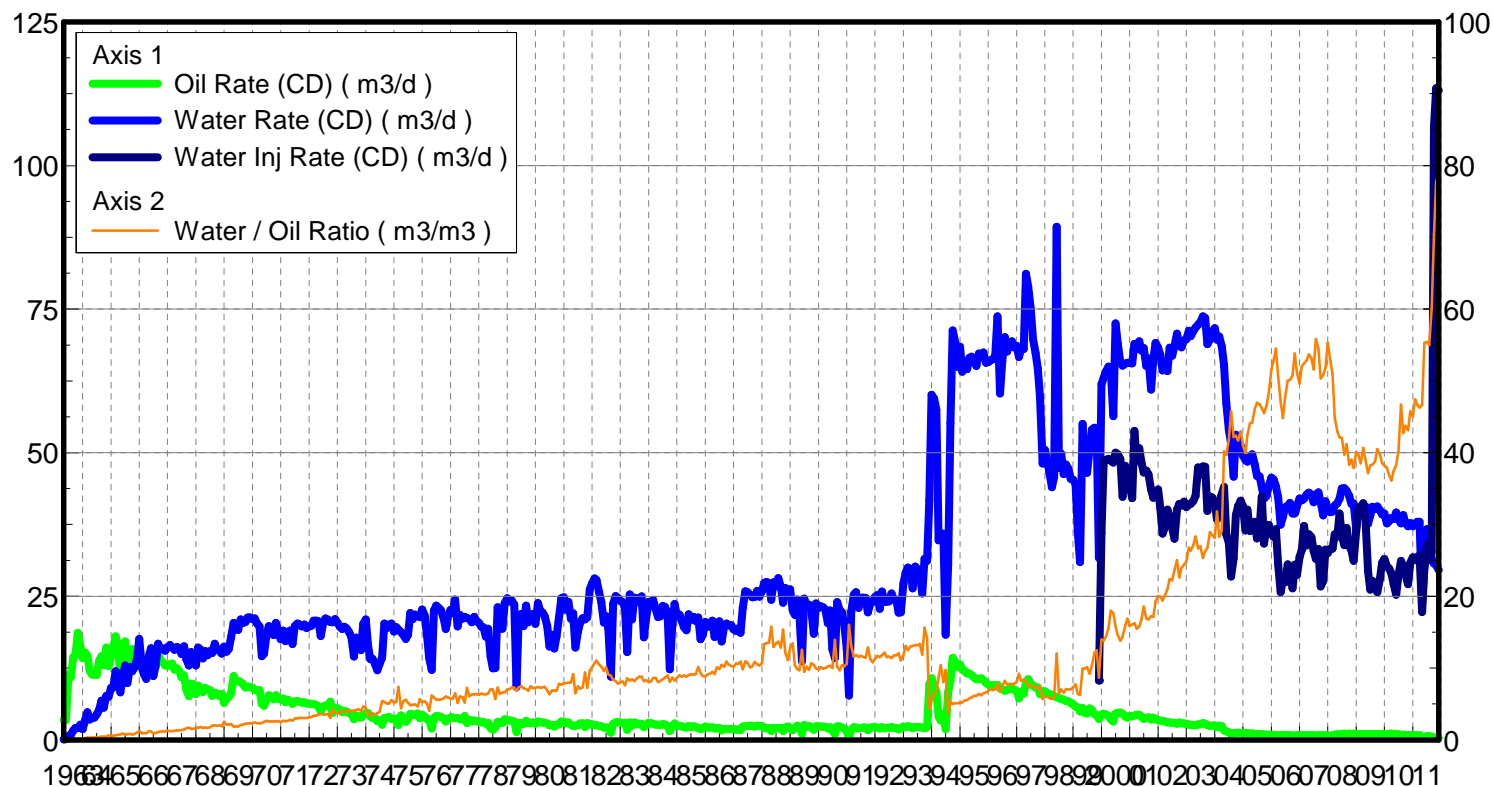
Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
11/30/2010	0.99	31.92	32.24	48.10	75.20	278.09	163.27	1.494	0.545
12/31/2010	0.99	31.66	31.92	47.13	75.23	279.07	164.73	1.475	0.548
1/31/2011	0.93	31.13	33.40	45.55	75.26	280.03	166.14	1.450	0.551
2/28/2011	0.96	31.56	32.85	47.04	75.29	280.92	167.46	1.477	0.553
3/31/2011	0.96	31.25	32.51	46.84	75.32	281.89	168.91	1.485	0.556
4/30/2011	0.60	20.41	34.02	23.50	75.34	282.50	169.62	1.141	0.557
5/31/2011	0.39	15.30	39.37	40.45	75.35	282.97	170.87	2.624	0.561
6/30/2011	0.96	34.60	36.05	44.97	75.38	284.01	172.22	1.289	0.563
7/31/2011	1.05	34.35	32.81	46.87	75.41	285.08	173.67	1.353	0.566
8/31/2011	0.91	31.10	34.01	40.74	75.44	286.04	174.94	1.299	0.568
9/30/2011	0.79	28.42	35.76	39.17	75.46	286.89	176.11	1.367	0.570
10/31/2011	0.92	32.52	35.17	44.10	75.49	287.90	177.48	1.345	0.573
11/30/2011	0.90	31.01	34.53	45.13	75.52	288.83	178.83	1.443	0.576
12/31/2011	0.83	29.22	35.16	45.16	75.54	289.74	180.23	1.533	0.578

Pattern: 06-17-006-22 Set: Souris Hartney Unit

Oil Formation Vol. Factor : 1.05 m3/m3
Water Formation Vol Factor : 1.00 m3/m3
Water / Oil Ratio : 81.24 m3/m3

March 04, 2012
Operator: <Ambiguous>

Oil Rate (CD) : 0.40 m3/d
Water Rate (CD) : 32.47 m3/d
Water Inj Rate (CD) : 112.71 m3/d



Date

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

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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 Replacemnt 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

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
4/30/1987	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	0.317	0.001
12/31/1999	4.43	61.94	13.99	36.10	75.39	346.00	1.43	0.571	0.004
1/31/2000	4.55	63.03	13.86	48.71	75.53	347.96	2.94	0.757	0.008
2/29/2000	4.46	64.13	14.38	48.72	75.66	349.82	4.35	0.745	0.012
3/31/2000	4.17	64.97	15.59	48.94	75.79	351.83	5.87	0.739	0.016
4/30/2000	3.57	64.30	17.99	48.63	75.90	353.76	7.33	0.744	0.020
5/31/2000	3.19	56.34	17.65	48.26	76.00	355.50	8.82	0.843	0.023
6/30/2000	4.58	72.52	15.82	50.00	76.14	357.68	10.32	0.677	0.027
7/31/2000	4.74	69.00	14.56	49.71	76.28	359.82	11.87	0.706	0.031
8/31/2000	4.76	65.72	13.80	48.90	76.43	361.86	13.38	0.729	0.035
9/30/2000	4.53	65.14	14.40	42.33	76.57	363.81	14.65	0.637	0.038
10/31/2000	4.13	65.48	15.87	47.74	76.69	365.84	16.13	0.716	0.042
11/30/2000	3.89	65.64	16.88	46.40	76.81	367.81	17.52	0.695	0.045
12/31/2000	4.14	65.59	15.85	44.29	76.94	369.84	18.90	0.663	0.048
1/31/2001	4.08	65.57	16.06	42.10	77.07	371.88	20.20	0.631	0.051
2/28/2001	4.24	68.97	16.26	53.82	77.18	373.81	21.71	0.767	0.055
3/31/2001	4.40	68.13	15.50	48.48	77.32	375.92	23.21	0.699	0.058
4/30/2001	4.39	69.37	15.78	50.77	77.45	378.00	24.73	0.719	0.062
5/31/2001	4.04	67.76	16.76	48.29	77.58	380.10	26.23	0.701	0.065
6/30/2001	3.68	68.22	18.55	46.53	77.69	382.15	27.63	0.672	0.068
7/31/2001	3.85	65.10	16.92	46.90	77.81	384.17	29.08	0.708	0.072
8/31/2001	3.95	66.37	16.78	46.23	77.93	386.22	30.52	0.685	0.075
9/30/2001	3.54	60.98	17.23	43.60	78.04	388.05	31.82	0.703	0.077
10/31/2001	3.87	66.28	17.14	42.16	78.16	390.11	33.13	0.626	0.080
11/30/2001	3.59	69.12	19.26	42.90	78.26	392.18	34.42	0.611	0.083
12/31/2001	3.41	68.29	20.02	43.58	78.37	394.30	35.77	0.629	0.086
1/31/2002	3.36	66.99	19.96	40.32	78.47	396.37	37.02	0.593	0.088
2/28/2002	3.32	64.33	19.40	35.93	78.57	398.18	38.02	0.550	0.090
3/31/2002	3.23	65.24	20.20	37.13	78.67	400.20	39.17	0.561	0.093
4/30/2002	3.06	64.20	20.99	40.07	78.76	402.12	40.38	0.616	0.095
5/31/2002	3.05	68.30	22.39	38.97	78.85	404.24	41.59	0.563	0.097
6/30/2002	3.01	66.89	22.21	36.83	78.94	406.25	42.69	0.544	0.099
7/31/2002	2.90	68.54	23.61	35.03	79.03	408.37	43.78	0.505	0.102
8/31/2002	2.82	70.74	25.05	40.10	79.12	410.57	45.02	0.560	0.104
9/30/2002	3.04	68.71	22.63	41.07	79.21	412.63	46.25	0.590	0.106
10/31/2002	2.85	68.33	23.96	40.84	79.30	414.75	47.52	0.591	0.109
11/30/2002	2.85	69.55	24.40	41.47	79.39	416.83	48.76	0.589	0.111
12/31/2002	2.81	69.73	24.82	40.52	79.47	418.99	50.02	0.574	0.113
1/31/2003	2.66	71.24	26.77	40.94	79.56	421.20	51.29	0.568	0.115
2/28/2003	2.67	70.30	26.37	41.07	79.63	423.17	52.44	0.578	0.118
3/31/2003	2.62	71.16	27.13	41.58	79.71	425.38	53.73	0.578	0.120

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4/30/2003	2.53	71.79	28.34	42.50	79.79	427.53	55.00	0.586	0.122
5/31/2003	2.71	72.28	26.66	47.45	79.87	429.77	56.47	0.649	0.125
6/30/2003	2.70	72.71	26.95	46.17	79.95	431.95	57.86	0.628	0.127
7/31/2003	2.91	73.76	25.32	47.61	80.04	434.24	59.33	0.638	0.130
8/31/2003	2.80	73.44	26.26	47.55	80.13	436.51	60.81	0.640	0.132
9/30/2003	2.57	68.89	26.79	39.87	80.21	438.58	62.00	0.573	0.134
10/31/2003	2.41	69.72	28.93	42.35	80.28	440.74	63.31	0.601	0.136
11/30/2003	2.50	71.14	28.49	42.20	80.36	442.88	64.58	0.587	0.139
12/31/2003	2.55	71.67	28.14	41.19	80.44	445.10	65.86	0.569	0.141
1/31/2004	2.19	69.65	31.80	38.42	80.50	447.26	67.05	0.547	0.142
2/29/2004	2.48	70.21	28.30	41.55	80.58	449.29	68.25	0.586	0.144
3/31/2004	2.35	68.51	29.17	42.81	80.65	451.42	69.58	0.619	0.147
4/30/2004	1.62	65.23	40.19	44.03	80.70	453.37	70.90	0.670	0.149
5/31/2004	1.48	58.63	39.68	35.74	80.74	455.19	72.01	0.605	0.150
6/30/2004	1.29	54.03	41.77	34.37	80.78	456.81	73.04	0.632	0.152
7/31/2004	1.13	51.58	45.82	28.42	80.82	458.41	73.92	0.547	0.153
8/31/2004	1.09	45.81	42.20	31.65	80.85	459.83	74.90	0.686	0.155
9/30/2004	1.25	53.12	42.38	39.17	80.89	461.43	76.08	0.732	0.157
10/31/2004	1.25	52.19	41.70	40.68	80.93	463.04	77.34	0.774	0.159
11/30/2004	1.19	51.16	42.99	41.63	80.96	464.58	78.59	0.808	0.161
12/31/2004	1.21	49.48	41.01	40.68	81.00	466.11	79.85	0.816	0.163
1/31/2005	1.22	48.74	39.97	36.45	81.04	467.62	80.98	0.742	0.165
2/28/2005	1.14	48.43	42.44	40.11	81.07	468.98	82.10	0.823	0.167
3/31/2005	1.12	49.30	44.11	36.35	81.10	470.51	83.23	0.733	0.168
4/30/2005	1.13	49.72	44.20	37.60	81.14	472.00	84.36	0.751	0.170
5/31/2005	1.04	47.93	46.07	38.00	81.17	473.49	85.53	0.788	0.172
6/30/2005	0.98	45.96	46.98	35.07	81.20	474.86	86.59	0.758	0.174
7/31/2005	0.98	45.89	46.72	36.87	81.23	476.29	87.73	0.799	0.176
8/31/2005	0.95	44.02	46.18	42.35	81.26	477.65	89.04	0.956	0.178
9/30/2005	0.92	42.04	45.53	34.17	81.29	478.91	90.07	0.808	0.179
10/31/2005	0.91	42.46	46.60	37.39	81.32	480.23	91.23	0.875	0.181
11/30/2005	0.92	44.27	48.38	37.43	81.34	481.56	92.35	0.841	0.183
12/31/2005	0.89	45.67	51.58	35.94	81.37	482.97	93.46	0.782	0.185
1/31/2006	0.86	45.34	52.84	35.35	81.40	484.38	94.56	0.775	0.186
2/28/2006	0.81	44.18	54.50	36.71	81.42	485.62	95.59	0.827	0.188
3/31/2006	0.83	42.25	50.67	30.65	81.45	486.93	96.54	0.721	0.189
4/30/2006	0.80	37.45	47.10	25.70	81.47	488.05	97.31	0.682	0.190
5/31/2006	0.87	38.88	44.81	28.00	81.50	489.25	98.18	0.716	0.191
6/30/2006	0.85	40.45	47.78	27.47	81.52	490.47	99.00	0.675	0.193
7/31/2006	0.81	40.74	50.02	30.55	81.55	491.73	99.95	0.745	0.194
8/31/2006	0.82	41.28	50.19	29.03	81.57	493.01	100.85	0.699	0.195
9/30/2006	0.78	39.41	50.75	26.40	81.60	494.19	101.64	0.666	0.196
10/31/2006	0.73	39.40	53.81	30.48	81.62	495.41	102.58	0.770	0.198
11/30/2006	0.80	40.72	51.11	28.70	81.64	496.64	103.45	0.701	0.199
12/31/2006	0.85	42.05	49.65	31.87	81.67	497.94	104.43	0.754	0.200
1/31/2007	0.80	41.72	52.04	33.10	81.69	499.23	105.46	0.789	0.202
2/28/2007	0.80	41.97	52.46	37.25	81.72	500.41	106.50	0.883	0.203
3/31/2007	0.81	42.69	52.83	33.87	81.74	501.73	107.55	0.789	0.205

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4/30/2007	0.80	43.05	53.70	35.80	81.76	503.02	108.63	0.827	0.206
5/31/2007	0.80	42.70	53.16	35.29	81.79	504.35	109.72	0.822	0.208
6/30/2007	0.80	41.37	51.60	32.90	81.81	505.59	110.71	0.791	0.209
7/31/2007	0.76	42.70	55.85	31.48	81.84	506.91	111.68	0.734	0.210
8/31/2007	0.79	43.12	54.45	33.23	81.86	508.25	112.71	0.766	0.212
9/30/2007	0.82	41.38	50.36	26.70	81.89	509.49	113.52	0.642	0.213
10/31/2007	0.77	39.11	50.83	27.65	81.91	510.70	114.37	0.703	0.214
11/30/2007	0.80	41.54	51.82	33.13	81.93	511.95	115.37	0.793	0.215
12/31/2007	0.73	40.35	55.35	32.52	81.96	513.20	116.37	0.802	0.217
1/31/2008	0.75	39.67	52.89	33.23	81.98	514.43	117.40	0.833	0.218
2/29/2008	0.78	39.74	50.99	33.28	82.00	515.58	118.37	0.833	0.219
3/31/2008	0.91	40.82	44.87	35.81	82.03	516.85	119.48	0.872	0.221
4/30/2008	0.96	41.23	42.95	35.40	82.06	518.08	120.54	0.853	0.222
5/31/2008	1.00	42.01	42.14	39.42	82.09	519.38	121.76	0.932	0.224
6/30/2008	1.04	43.74	42.06	35.60	82.12	520.70	122.83	0.808	0.226
7/31/2008	1.10	43.84	39.74	33.90	82.16	522.06	123.88	0.768	0.227
8/31/2008	1.05	43.40	41.20	36.90	82.19	523.40	125.03	0.844	0.228
9/30/2008	1.11	42.48	38.33	33.73	82.22	524.68	126.04	0.788	0.230
10/31/2008	1.05	41.10	39.02	33.03	82.25	525.95	127.06	0.798	0.231
11/30/2008	1.09	41.16	37.87	31.20	82.29	527.18	128.00	0.752	0.232
12/31/2008	0.92	36.79	40.09	36.35	82.32	528.33	129.13	0.981	0.234
1/31/2009	1.02	40.48	39.71	40.42	82.35	529.58	130.38	0.991	0.236
2/28/2009	1.03	39.65	38.55	40.43	82.38	530.69	131.51	1.012	0.237
3/31/2009	1.00	40.88	40.68	41.19	82.41	531.96	132.79	1.001	0.239
4/30/2009	1.04	40.64	39.02	38.50	82.44	533.18	133.94	0.940	0.240
5/31/2009	1.01	37.61	37.13	29.39	82.47	534.34	134.85	0.775	0.242
6/30/2009	1.02	39.06	38.24	26.17	82.50	535.51	135.64	0.665	0.242
7/31/2009	1.06	40.58	38.35	27.65	82.53	536.77	136.50	0.676	0.243
8/31/2009	1.04	40.22	38.78	26.55	82.57	538.02	137.32	0.655	0.244
9/30/2009	1.00	40.62	40.49	25.73	82.60	539.24	138.09	0.629	0.245
10/31/2009	1.00	39.99	39.80	28.00	82.63	540.48	138.96	0.695	0.246
11/30/2009	1.02	39.25	38.54	30.83	82.66	541.66	139.88	0.780	0.247
12/31/2009	1.03	39.40	38.23	31.48	82.69	542.88	140.86	0.793	0.249
1/31/2010	1.00	37.71	37.90	30.23	82.72	544.05	141.80	0.795	0.250
2/28/2010	1.03	38.10	36.85	29.82	82.75	545.11	142.63	0.777	0.251
3/31/2010	1.07	38.63	36.13	29.00	82.78	546.31	143.53	0.745	0.252
4/30/2010	1.03	38.45	37.45	27.10	82.81	547.46	144.34	0.699	0.253
5/31/2010	1.03	39.60	38.31	25.29	82.84	548.69	145.13	0.634	0.253
6/30/2010	0.95	38.37	40.18	28.67	82.87	549.84	145.99	0.742	0.254
7/31/2010	0.81	37.72	46.68	31.16	82.90	551.01	146.95	0.821	0.256
8/31/2010	0.92	39.15	42.74	30.19	82.93	552.23	147.89	0.766	0.257
9/30/2010	0.86	37.68	43.73	28.80	82.95	553.36	148.75	0.759	0.258
10/31/2010	0.86	37.20	43.11	27.10	82.98	554.51	149.59	0.724	0.259
11/30/2010	0.82	37.76	45.77	30.83	83.00	555.64	150.52	0.811	0.260
12/31/2010	0.83	37.21	45.06	31.81	83.03	556.80	151.50	0.849	0.261
1/31/2011	0.79	37.58	47.45	31.29	83.05	557.96	152.47	0.828	0.262
2/28/2011	0.81	37.98	46.64	31.86	83.08	559.02	153.37	0.834	0.263
3/31/2011	0.82	37.95	46.31	32.13	83.10	560.20	154.36	0.841	0.264

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4/30/2011	0.51	23.95	46.65	22.27	83.12	560.92	155.03	0.924	0.265
5/31/2011	0.55	30.31	55.27	29.90	83.14	561.86	155.96	0.981	0.266
6/30/2011	0.66	36.69	55.45	34.10	83.16	562.96	156.98	0.925	0.267
7/31/2011	0.67	36.62	54.98	31.32	83.18	564.09	157.95	0.851	0.269
8/31/2011	0.52	31.44	60.17	32.71	83.19	565.07	158.97	1.035	0.270
9/30/2011	0.44	30.72	70.30	106.77	83.20	565.99	162.17	3.461	0.275
10/31/2011	0.39	30.40	77.88	113.45	83.22	566.93	165.69	3.718	0.280
11/30/2011	0.39	29.54	75.43	113.07	83.23	567.82	169.08	3.813	0.286
12/31/2011	0.40	32.47	81.24	112.71	83.24	568.83	172.57	3.459	0.291