

**SOURIS HARTNEY UNIT NO. 1
WATERFLOOD EOR PROJECT

ANNUAL REPORT FOR 2015**

March 9, 2016

Tundra Oil and Gas Partnership

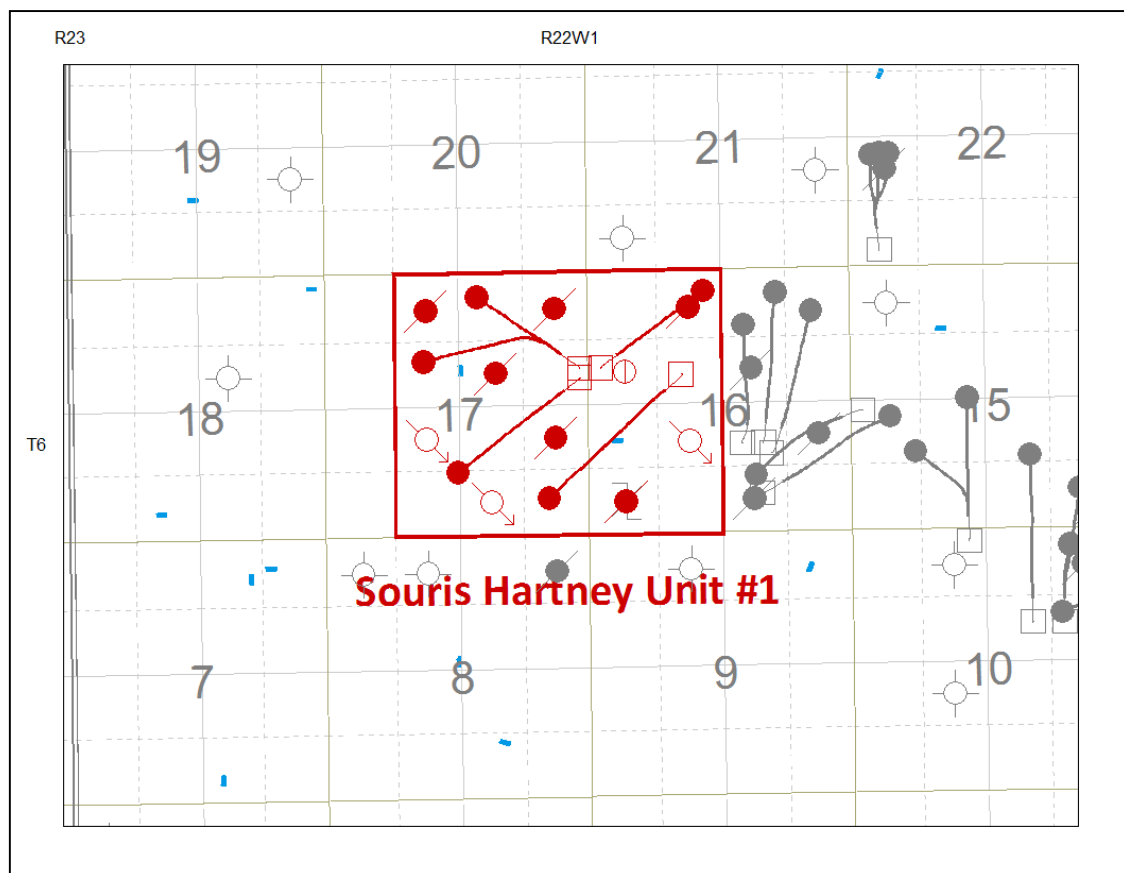
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INTRODUCTION

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 2015 Annual Progress Report for Souris Hartney Unit No. 1 as required by Waterflood Order No. 9.

DISCUSSION

Production History

For the wells included in Souris Hartney Unit No.1, production started November 1962 with the 00/08-17-006-22W1/0 well. Oil production peaked at 32.47 m³/d in February 1964. The Unit was producing 2.22 m³/d of oil and 82.95 m³/d of water in December

2015. 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

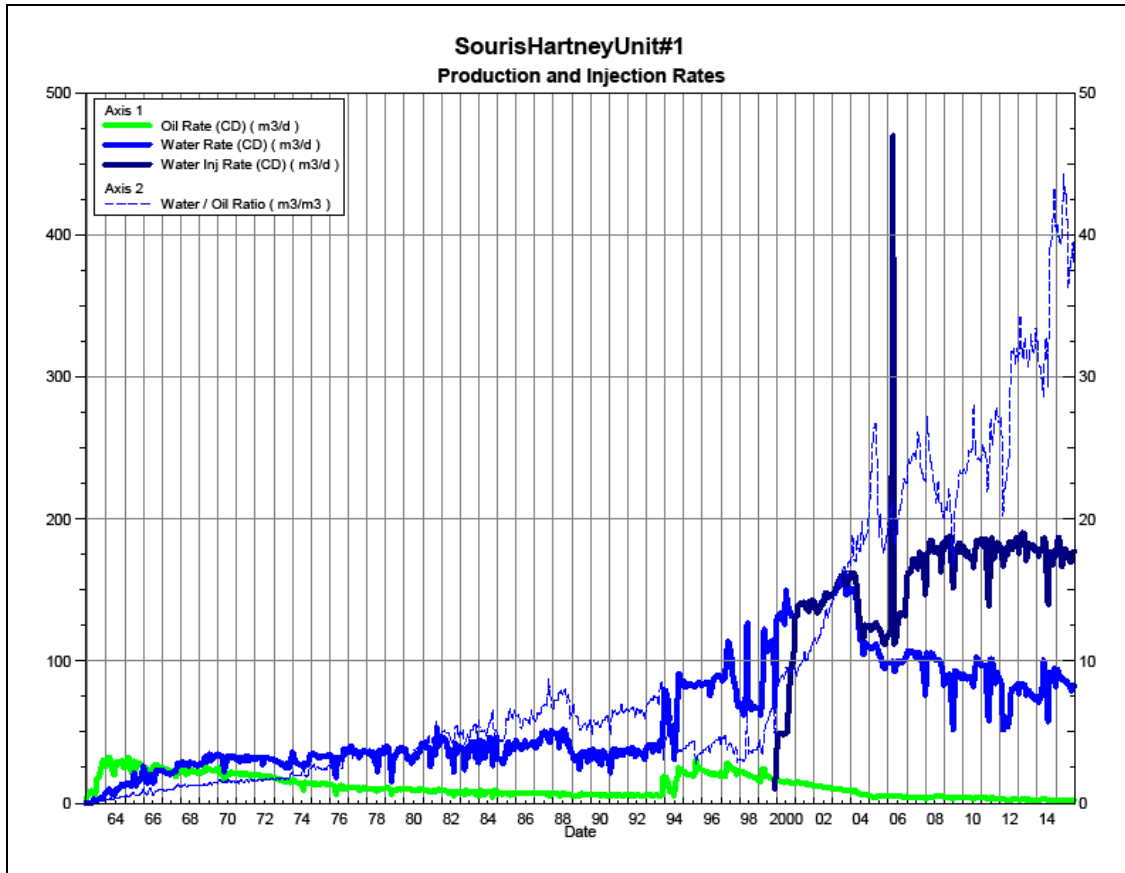
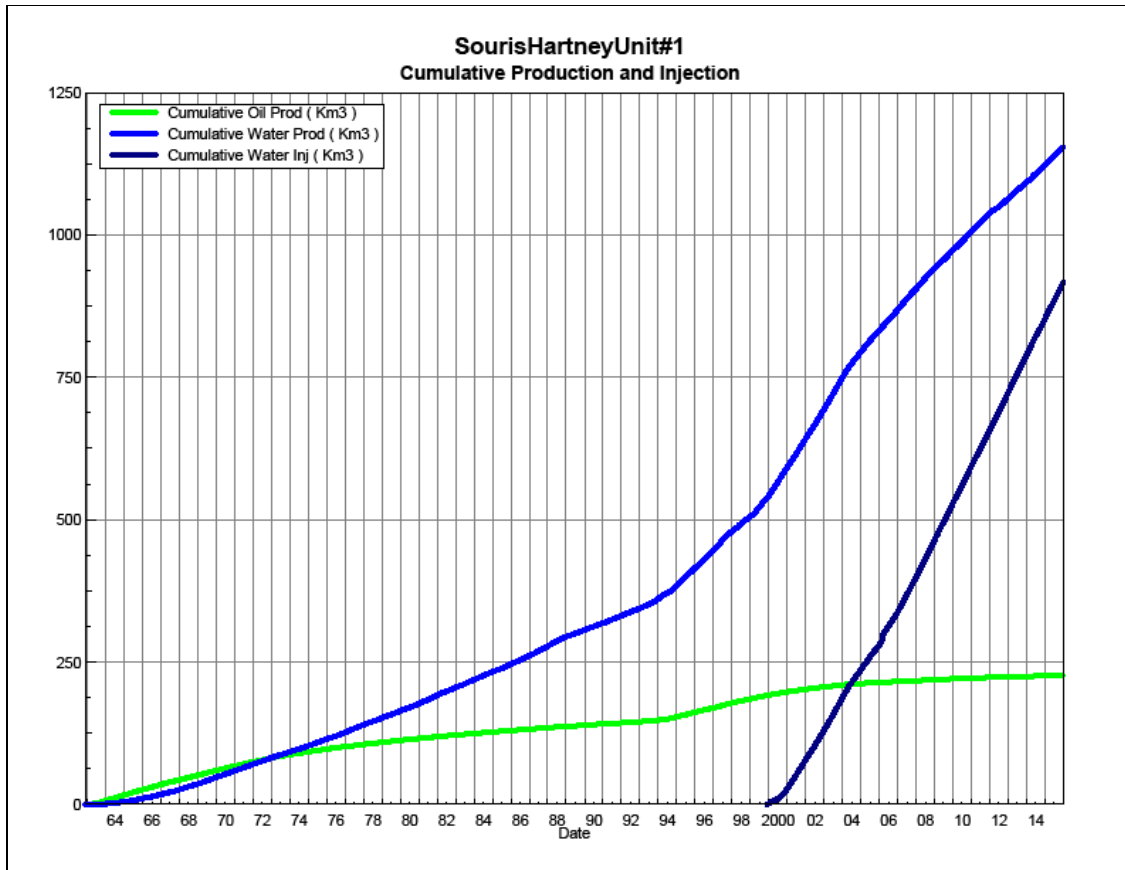


Figure 3 shows the cumulative production for Souris Hartney Unit No. 1 to the end of December 2015. Cumulative production of oil was 226.6 e³m³ and for water was 1154.6 e³m³. The cumulative water injected was 917.1 e³m³. The cumulative volume of oil, and water produced and fluid injected for each injection 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 2015, Souris Hartney Unit No.1 has 3 active vertical injectors and 3 injector patterns in place. Water injection started in November 1999. An overall summary for each injector pattern is presented in Appendix C.

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

Waterflood EOR Operating Strategy and Performance

Water Source and Quality

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

Injection Wellhead Pressures

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

Reservoir Pressure

No reservoir pressure measurements were taken at Souris Hartney Unit No. 1 in 2015.

Well Servicing

Table 1 lists the maintenance that was required in Souris Hartney Unit No. 1 in 2015.

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

00/12-16-006-22W1/0	Abandonment	07/15/2015
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Voidage Replacement

Cumulative voidage for the Souris Hartney Unit No. 1 was 0.659 in December 2015. 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 2.26, 2.04 and 2.00 in 2013, 2014 and 2015, respectively. Souris Hartney Unit No. 1 is on track to achieving a cumulative VRR of 1. Calculation, plots and tables of the Voidage Replacement Ratio on a monthly and cumulative basis for each injection pattern are presented in Appendix D.

List of Appendices

Appendix A: Well Name and Well Status

Appendix B: Monthly Injection Wellhead Pressures Table and Plots

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

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

Plots and Tables for the following injectors:

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

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

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

Appendix A

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

Appendix B

Average Monthly Injection Pressure (kPag)

Injection Pressure				Injection Pressure				Injection Pressure				Injection Pressure			
Month	100/06-16	100/02-17	100/06-17	Month	100/06-16	100/02-17	100/06-17	Month	100/06-16	100/02-17	100/06-17	Month	100/06-16	100/02-17	100/06-17
				Jan-06	4400	7555	7548	Jan-10	6000	7800	7800	Jan-14	3760	7079	6709
				Feb-06	4400	7657	7636	Feb-10	6000	7800	7800	Feb-14	3555	7014	6706
				Mar-06	4471	7510	7510	Mar-10	6000	7800	7800	Mar-14	3565	7119	6847
				Apr-06	4400	7553	7542	Apr-10	6000	7800	7800	Apr-14	3825	7138	6933
				May-06	4400	7740	7656	May-10	6000	7800	7800	May-14	3913	6952	6667
				Jun-06	5120	7789	7707	Jun-10	6000	7800	7800	Jun-14	4027	6560	7005
				Jul-06	5252	7824	7776	Jul-10	6000	7800	7800	Jul-14	4084	5245	6510
				Aug-06	5424	7574	7542	Aug-10	6000	7800	7800	Aug-14	3800	6494	6716
				Sep-06	5637	7401	7353	Sep-10	6000	7800	7800	Sep-14	3800	7140	6822
Oct-02	4137	0	4803	Oct-06	5381	7571	7520	Oct-10	6000	7800	7800	Oct-14	3800	7148	6959
Nov-02	276	0	858	Nov-06	5400	7640	7615	Nov-10	6000	7800	7800	Nov-14	3800	7040	6847
Dec-02	133	0	445	Dec-06	5400	7638	7648	Dec-10	6000	7800	7800	Dec-14	3800	7129	6819
Jan-03	3423	0	4927	Jan-07	5400	7575	7600	Jan-11	5826	7645	7645	Jan-15	3729	6929	6623
Feb-03	3149	7316	3761	Feb-07	5400	7522	7491	Feb-11	5700	7759	7759	Feb-15	3721	6679	6479
Mar-03	4275	7195	3701	Mar-07	5400	7505	7422	Mar-11	5700	7750	7750	Mar-15	3800	6716	6458
Apr-03	3978	6897	3550	Apr-07	5400	7626	7616	Apr-11	5700	7223	7223	Apr-15	3800	6800	6500
May-03	3981	7086	3722	May-07	5400	7490	7452	May-11	5516	6561	6561	May-15	3800	6771	6516
Jun-03	4284	6936	3662	Jun-07	5400	7592	7442	Jun-11	5780	7298	7298	Jun-15	3800	6747	6552
Jul-03	4562	6968	3627	Jul-07	5590	7710	7656	Jul-11	5800	7741	7741	Jul-15	3800	7200	6900
Aug-03	5884	7435	5034	Aug-07	5884	7657	7619	Aug-11	5800	7769	7769	Aug-15	3800	7200	6918
Sep-03	5132	7396	3881	Sep-07	6007	7822	7855	Sep-11	5800	7800	7800	Sep-15	3800	7200	6950
Oct-03	4729	7502	3913	Oct-07	6016	7618	7514	Oct-11	5748	7800	7800	Oct-15	3800	7200	6950
Nov-03	5033	7534	3948	Nov-07	5900	7780	7785	Nov-11	5700	7800	7800	Nov-15	3800	7200	6950
Dec-03	5224	7480	5098	Dec-07	5484	7460	7470	Dec-11	5700	7800	7800	Dec-15	3800	7174	6931
Jan-04	5240	7516	7929	Jan-08	5700	7829	7889	Jan-12	5700	7800	7800				
Feb-04	5240	7516	7929	Feb-08	5700	7772	7765	Feb-12	5700	7800	7800				
Mar-04	5240	7516	7929	Mar-08	5700	7777	7781	Mar-12	5700	7800	7800				
Apr-04	5240	7522	7958	Apr-08	5700	7824	7845	Apr-12	5700	7800	7800				
May-04	5129	7378	7844	May-08	5729	7865	7849	May-12	5700	7800	7800				
Jun-04	5200	7770	8205	Jun-08	5760	7913	7882	Jun-12	5700	7800	7800				
Jul-04	5200	7513	7958	Jul-08	5477	7942	7935	Jul-12	5700	7800	7800				
Aug-04	4558	7571	7953	Aug-08	5519	7911	7890	Aug-12	5700	7800	7800				
Sep-04	5073	8190	8590	Sep-08	5900	7977	7983	Sep-12	5650	7670	7740				
Oct-04	4919	8150	8563	Oct-08	6000	7664	7667	Oct-12	5200	7800	7800				
Nov-04	4843	7975	8296	Nov-08	6000	7877	7919	Nov-12	5200	7627	7627				
Dec-04	4784	7992	8060	Dec-08	6000	7435	7402	Dec-12	4916	7523	7523				
Jan-05	4632	7916	8061	Jan-09	6000	7681	7679	Jan-13	4806	7394	7394				
Feb-05	4521	7800	8012	Feb-09	6000	7800	7800	Feb-13	4900	7236	7236				
Mar-05	4400	7742	7904	Mar-09	6000	7800	7800	Mar-13	4945	7139	7139				
Apr-05	4400	7433	7390	Apr-09	6000	7800	7800	Apr-13	5013	7080	7080				
May-05	4400	7969	7985	May-09	6000	7800	7800	May-13	4806	6810	6761				
Jun-05	4400	7806	7852	Jun-09	6000	7800	7800	Jun-13	5290	6640	6390				
Jul-05	4400	7858	7869	Jul-09	6000	7800	7800	Jul-13	4523	7465	7121				
Aug-05	4400	7803	7702	Aug-09	6000	7800	7800	Aug-13	4355	7558	7258				
Sep-05	4473	7600	7510	Sep-09	6000	7800	7800	Sep-13	4250	7663	7363				
Oct-05	4413	7598	7534	Oct-09	6000	7800	7800	Oct-13	3932	7115	6906				
Nov-05	4400	7760	7757	Nov-09	6000	7800	7800	Nov-13	3655	7222	6990				
Dec-05	4400	7687	7687	Dec-09	6000	7800	7800	Dec-13	3748	7127	6895				

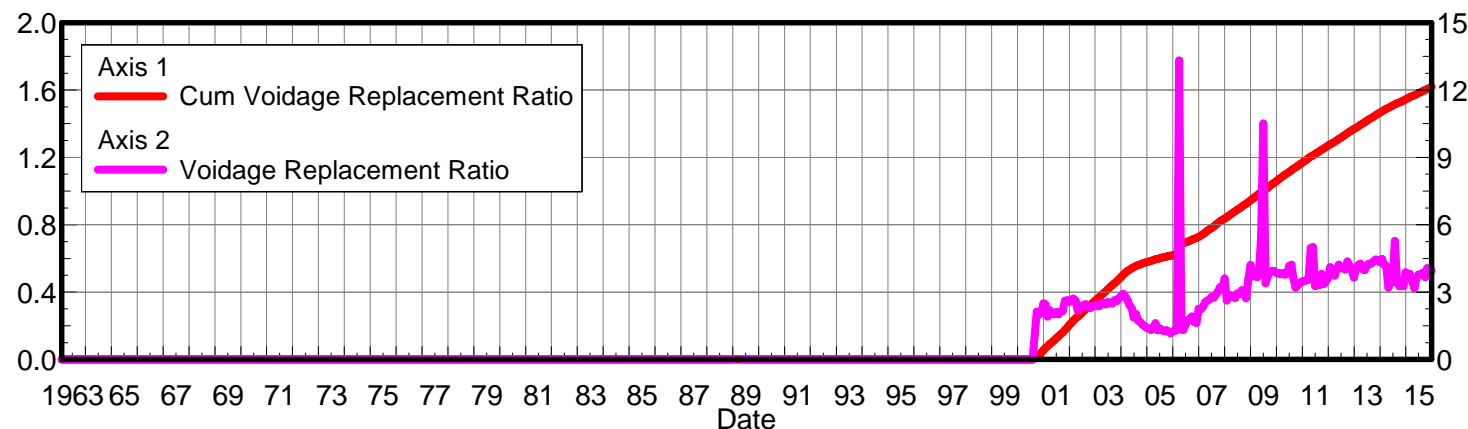
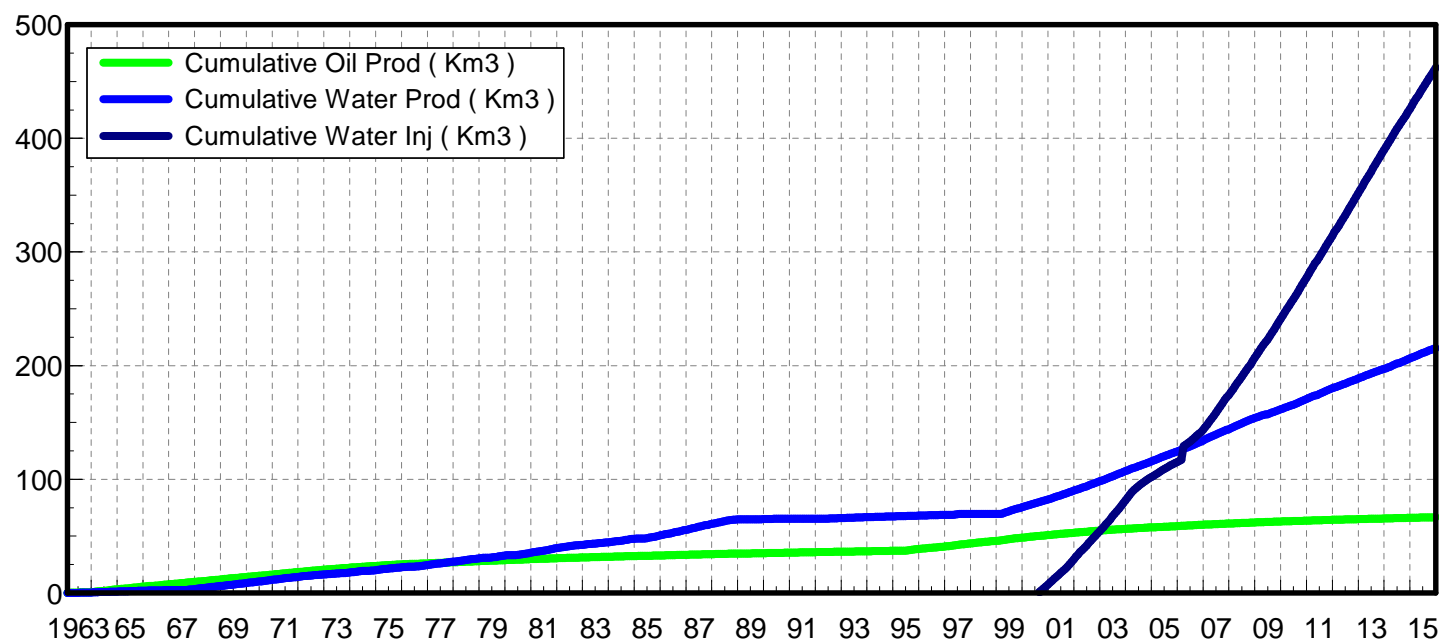
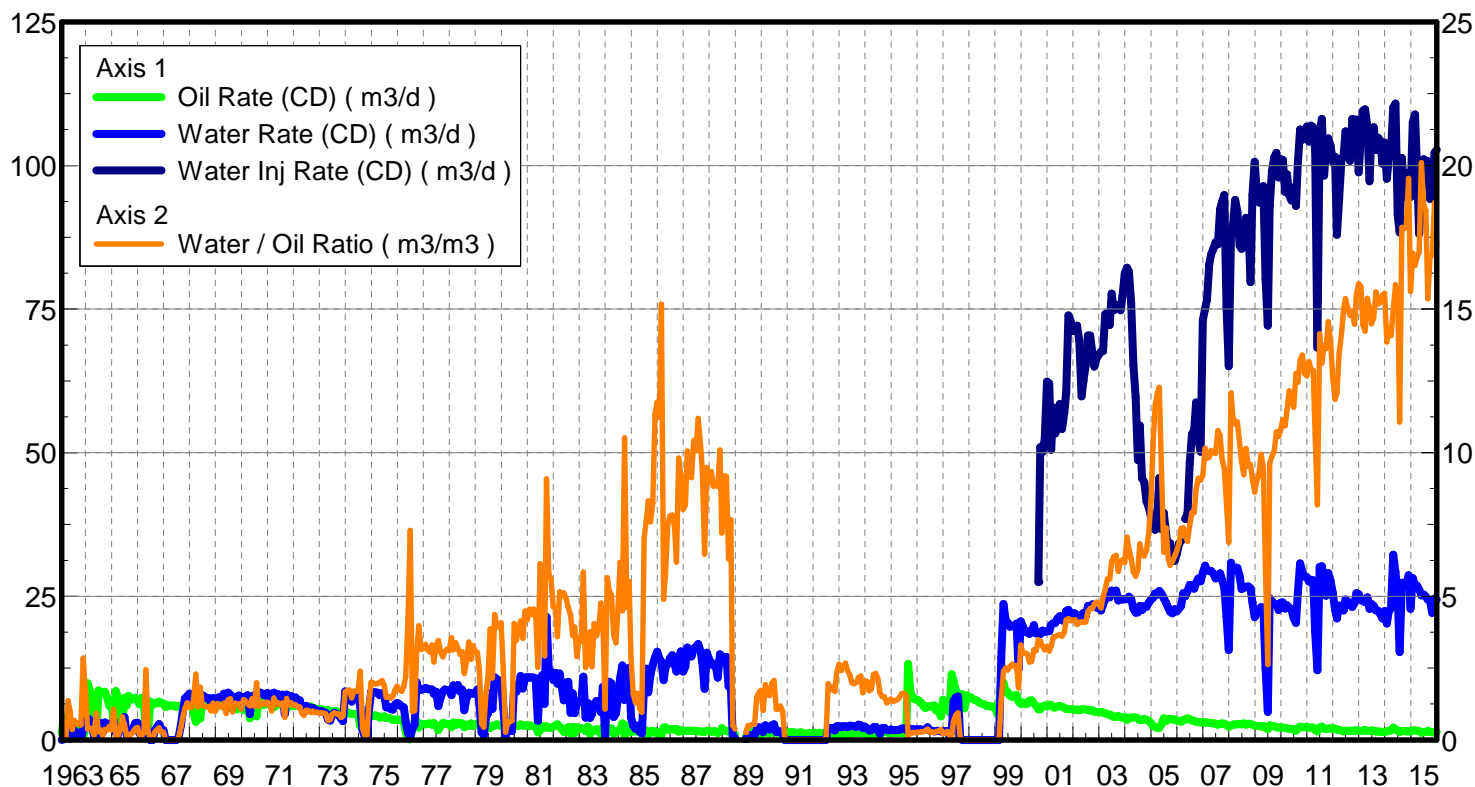
Appendix C

Souris Hartney Unit #1 Pattern Summary as of December 2015

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Appendix D
Rates and VRR
Plots and Tables

Oil Formation Vol Factor : 1.00000 m3/m3
 Water Formation Vol Factor : 1.00000 m3/m3
 Water / Oil Ratio : 17.21 m3/m3
 Pattern : 06-16-006-22 Set: SourisHartneyUnit#1
 March 09, 2016
 Operator: <Ambiguous>
 Oil Rate (CD) : 1.42 m3/d
 Water Rate (CD) : 24.46 m3/d
 Water Inj Rate (CD) : 102.77 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	VRR	Cum VRR
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

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	VRR	Cum VRR
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
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

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	VRR	Cum VRR
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
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

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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
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

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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
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

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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
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

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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
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

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	VRR	Cum VRR
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
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

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	VRR	Cum VRR
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
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

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	VRR	Cum VRR
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
5/31/1999	8.30	20.74	2.50		47.05	71.28	0.00	0.000	0.000
6/30/1999	8.40	20.42	2.43		47.30	71.89	0.00	0.000	0.000
7/31/1999	7.73	19.72	2.55		47.54	72.50	0.00	0.000	0.000
8/31/1999	7.51	19.80	2.64		47.77	73.12	0.00	0.000	0.000
9/30/1999	7.75	19.93	2.57		48.00	73.72	0.00	0.000	0.000
10/31/1999	7.81	20.26	2.59		48.25	74.34	0.00	0.000	0.000
11/30/1999	6.73	12.21	1.81		48.45	74.71	0.00	0.000	0.000
12/31/1999	6.26	20.67	3.30		48.64	75.35	0.00	0.000	0.000
1/31/2000	6.52	19.69	3.02		48.84	75.96	0.00	0.000	0.000
2/29/2000	6.23	18.77	3.01		49.03	76.50	0.00	0.000	0.000
3/31/2000	6.35	18.90	2.98		49.22	77.09	0.00	0.000	0.000
4/30/2000	6.80	18.50	2.72		49.43	77.65	0.00	0.000	0.000
5/31/2000	6.89	18.82	2.73		49.64	78.23	0.00	0.000	0.000
6/30/2000	6.35	19.96	3.14		49.83	78.83	0.00	0.000	0.000
7/31/2000	5.98	18.54	3.10		50.02	79.40	0.00	0.000	0.000
8/31/2000	5.34	18.58	3.48	27.52	50.18	79.98	0.85	1.138	0.006
9/30/2000	5.33	18.41	3.45	50.93	50.34	80.53	2.38	2.121	0.018
10/31/2000	5.83	19.02	3.26	50.10	50.52	81.12	3.93	1.992	0.029
11/30/2000	5.99	18.78	3.14	52.40	50.70	81.68	5.51	2.090	0.041
12/31/2000	5.82	18.91	3.25	62.39	50.88	82.27	7.44	2.493	0.055
1/31/2001	6.11	18.90	3.09	62.06	51.07	82.86	9.36	2.451	0.069
2/28/2001	6.13	20.03	3.27	50.50	51.24	83.42	10.78	1.908	0.079
3/31/2001	5.67	20.30	3.58	57.84	51.42	84.05	12.57	2.202	0.091
4/30/2001	5.67	20.39	3.60	53.33	51.59	84.66	14.17	2.025	0.102
5/31/2001	5.81	21.14	3.64	54.68	51.77	85.31	15.87	2.008	0.114
6/30/2001	5.88	21.52	3.66	58.50	51.95	85.96	17.62	2.112	0.125
7/31/2001	5.75	20.80	3.62	54.13	52.12	86.60	19.30	2.017	0.137
8/31/2001	5.60	20.94	3.74	56.90	52.30	87.25	21.06	2.122	0.148

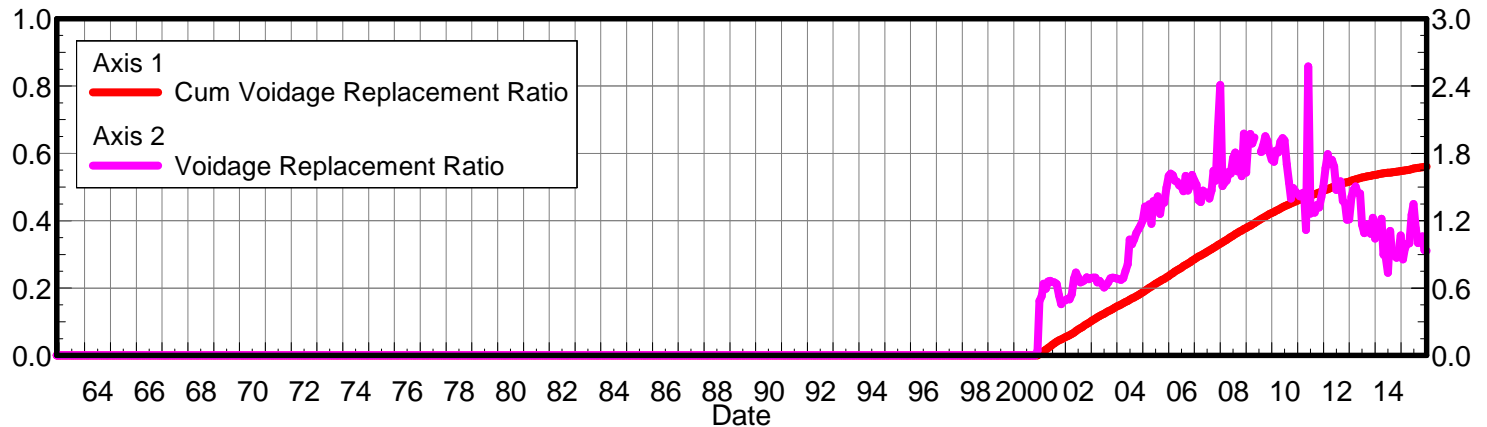
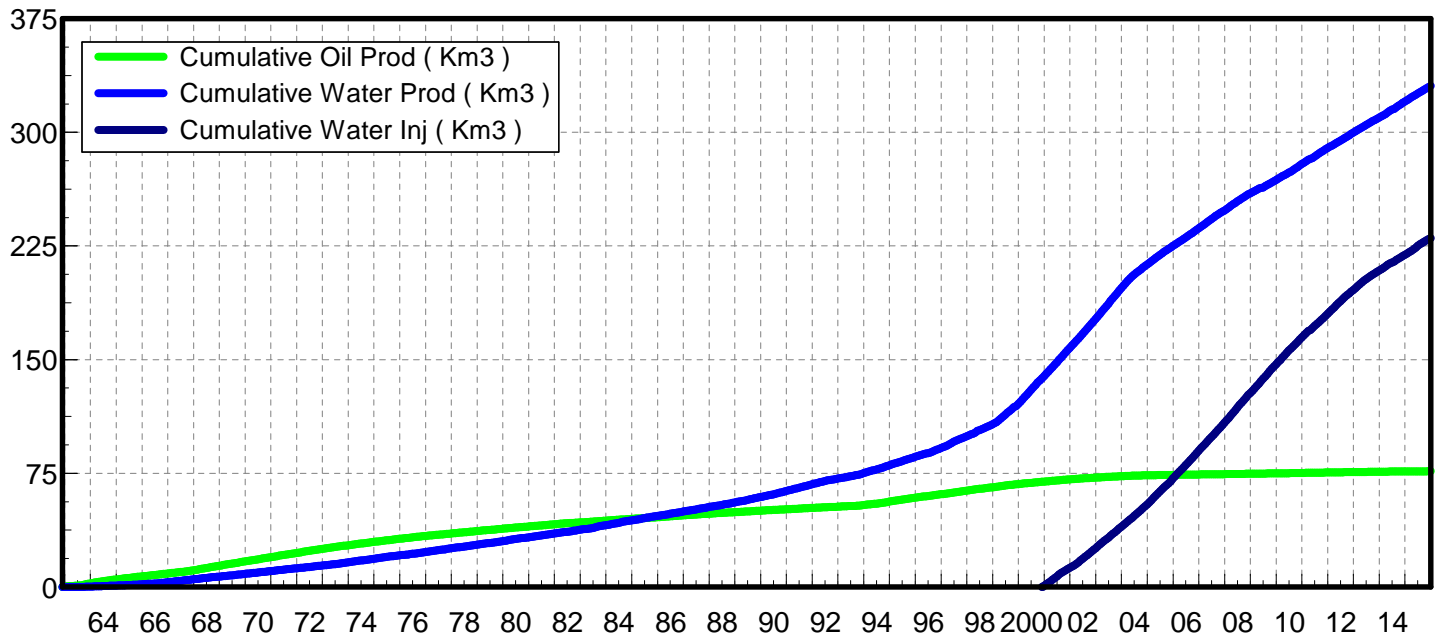
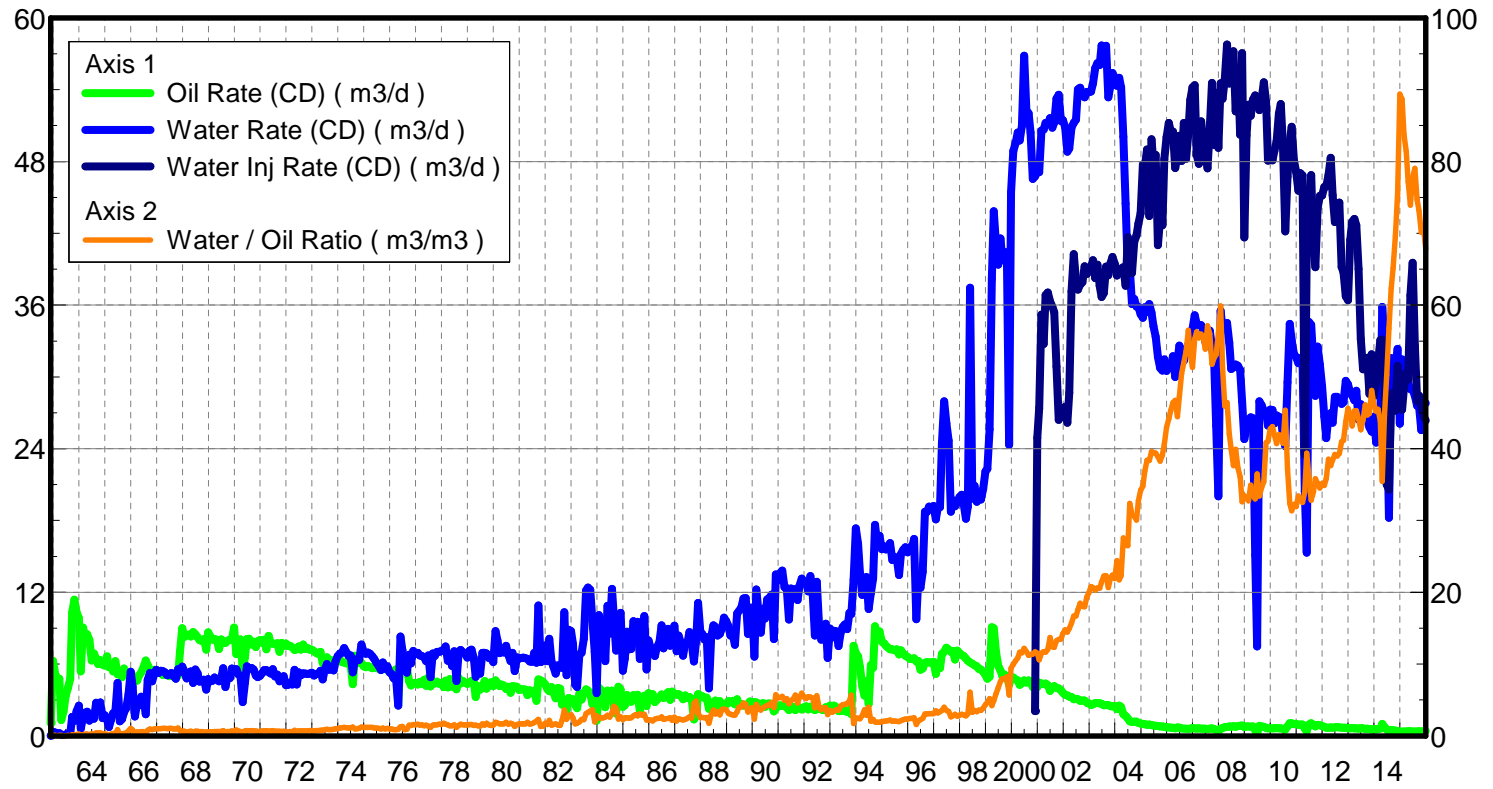
Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
9/30/2001	5.37	22.41	4.18	60.50	52.46	87.93	22.88	2.158	0.160
10/31/2001	5.37	22.66	4.22	73.90	52.62	88.63	25.17	2.611	0.175
11/30/2001	5.31	22.05	4.15	72.83	52.78	89.29	27.35	2.637	0.189
12/31/2001	5.30	22.10	4.17	71.19	52.95	89.97	29.56	2.572	0.203
1/31/2002	5.25	21.96	4.18	71.97	53.11	90.66	31.79	2.619	0.217
2/28/2002	5.25	21.09	4.02	72.11	53.26	91.25	33.81	2.711	0.230
3/31/2002	5.13	21.01	4.10	69.48	53.42	91.90	35.97	2.632	0.243
4/30/2002	5.32	21.83	4.10	59.83	53.58	92.55	37.76	2.182	0.254
5/31/2002	5.39	22.09	4.10	62.52	53.74	93.24	39.70	2.253	0.265
6/30/2002	5.26	21.62	4.11	65.27	53.90	93.89	41.66	2.405	0.277
7/31/2002	5.23	23.30	4.46	70.39	54.06	94.61	43.84	2.445	0.290
8/31/2002	5.09	23.30	4.57	70.42	54.22	95.33	46.02	2.459	0.302
9/30/2002	5.15	23.59	4.58	67.23	54.38	96.04	48.04	2.318	0.314
10/31/2002	4.91	23.20	4.73	65.00	54.53	96.76	50.05	2.293	0.325
11/30/2002	4.80	23.04	4.80	66.43	54.67	97.45	52.05	2.366	0.336
12/31/2002	4.89	23.00	4.71	67.13	54.82	98.16	54.13	2.386	0.348
1/31/2003	4.89	22.52	4.60	67.61	54.98	98.86	56.22	2.445	0.359
2/28/2003	4.72	23.52	4.98	67.68	55.11	99.52	58.12	2.376	0.369
3/31/2003	4.68	24.51	5.24	74.13	55.25	100.28	60.42	2.519	0.382
4/30/2003	4.45	24.96	5.61	74.23	55.39	101.03	62.64	2.505	0.394
5/31/2003	4.44	24.83	5.60	72.23	55.52	101.80	64.88	2.450	0.405
6/30/2003	4.18	25.99	6.21	77.70	55.65	102.58	67.21	2.557	0.417
7/31/2003	3.99	25.42	6.38	74.77	55.77	103.36	69.53	2.526	0.429
8/31/2003	4.05	25.98	6.42	75.68	55.90	104.17	71.88	2.503	0.441
9/30/2003	4.14	24.29	5.87	75.53	56.02	104.90	74.14	2.638	0.453
10/31/2003	3.95	24.57	6.21	74.77	56.15	105.66	76.46	2.604	0.464
11/30/2003	3.90	24.44	6.27	77.30	56.26	106.39	78.78	2.709	0.476
12/31/2003	3.97	24.55	6.18	81.23	56.39	107.15	81.30	2.828	0.489
1/31/2004	3.47	24.51	7.07	82.23	56.49	107.91	83.85	2.921	0.501
2/29/2004	3.75	24.94	6.65	81.55	56.60	108.64	86.21	2.824	0.513
3/31/2004	3.88	24.53	6.32	76.03	56.72	109.40	88.57	2.658	0.524
4/30/2004	3.92	22.89	5.84	65.30	56.84	110.08	90.53	2.418	0.533
5/31/2004	3.89	22.16	5.70	59.68	56.96	110.77	92.38	2.274	0.542
6/30/2004	3.74	22.19	5.93	48.70	57.07	111.44	93.84	1.865	0.548
7/31/2004	3.42	23.34	6.82	54.74	57.18	112.16	95.54	2.033	0.555
8/31/2004	3.48	22.59	6.49	45.55	57.29	112.86	96.95	1.736	0.560
9/30/2004	3.64	23.31	6.40	44.87	57.40	113.56	98.29	1.653	0.565
10/31/2004	3.51	23.14	6.60	41.55	57.50	114.28	99.58	1.549	0.570
11/30/2004	3.30	23.85	7.22	40.47	57.60	114.99	100.80	1.481	0.574
12/31/2004	2.94	24.45	8.32	38.77	57.69	115.75	102.00	1.408	0.578
1/31/2005	2.42	24.70	10.20	37.55	57.77	116.52	103.16	1.378	0.582
2/28/2005	2.19	25.47	11.64	36.57	57.83	117.23	104.19	1.317	0.585
3/31/2005	2.09	25.26	12.07	39.42	57.90	118.01	105.41	1.436	0.590
4/30/2005	2.11	25.93	12.27	45.60	57.96	118.79	106.78	1.620	0.594
5/31/2005	2.74	25.42	9.28	36.71	58.04	119.58	107.91	1.297	0.598
6/30/2005	3.77	24.63	6.54	39.53	58.16	120.32	109.10	1.383	0.601

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	VRR	Cum VRR
7/31/2005	3.24	23.90	7.38	35.84	58.26	121.06	110.21	1.313	0.605
8/31/2005	3.65	22.96	6.30	33.55	58.37	121.77	111.25	1.252	0.608
9/30/2005	3.67	22.34	6.08	34.27	58.48	122.44	112.28	1.308	0.611
10/31/2005	3.55	22.04	6.21	32.03	58.59	123.12	113.27	1.243	0.613
11/30/2005	3.56	22.77	6.40	31.20	58.70	123.81	114.21	1.177	0.616
12/31/2005	3.39	22.40	6.60	32.39	58.80	124.50	115.21	1.248	0.619
1/31/2006	3.33	22.90	6.87	34.23	58.91	125.21	116.27	1.297	0.622
2/28/2006	3.17	23.33	7.36	34.57	58.99	125.86	117.24	1.297	0.624
3/31/2006	3.47	25.57	7.38	388.71	59.10	126.66	129.29	13.307	0.685
4/30/2006	3.50	24.99	7.14	38.50	59.21	127.41	130.45	1.343	0.688
5/31/2006	3.74	25.86	6.92	39.35	59.32	128.21	131.67	1.321	0.691
6/30/2006	3.61	27.02	7.48	48.13	59.43	129.02	133.11	1.562	0.695
7/31/2006	3.40	26.89	7.92	53.23	59.54	129.85	134.76	1.747	0.701
8/31/2006	3.32	26.32	7.92	53.94	59.64	130.67	136.43	1.809	0.706
9/30/2006	3.13	27.36	8.73	58.77	59.73	131.49	138.19	1.917	0.712
10/31/2006	3.08	28.09	9.11	52.26	59.83	132.36	139.82	1.668	0.716
11/30/2006	3.06	27.61	9.04	50.20	59.92	133.19	141.32	1.629	0.721
12/31/2006	3.16	29.14	9.21	73.13	60.02	134.09	143.59	2.253	0.728
1/31/2007	2.99	30.34	10.15	75.00	60.11	135.03	145.91	2.240	0.736
2/28/2007	3.02	29.64	9.82	76.68	60.20	135.86	148.06	2.337	0.744
3/31/2007	2.99	29.40	9.85	82.81	60.29	136.77	150.63	2.546	0.753
4/30/2007	2.92	29.36	10.07	84.57	60.38	137.65	153.16	2.608	0.762
5/31/2007	2.89	28.95	10.01	85.52	60.47	138.55	155.82	2.673	0.771
6/30/2007	2.82	28.14	9.98	86.67	60.55	139.40	158.41	2.787	0.780
7/31/2007	2.65	28.56	10.77	86.26	60.63	140.28	161.09	2.752	0.790
8/31/2007	2.74	29.01	10.60	92.42	60.72	141.18	163.95	2.899	0.800
9/30/2007	2.85	27.90	9.79	93.67	60.80	142.02	166.76	3.032	0.810
10/31/2007	2.81	26.53	9.45	94.87	60.89	142.84	169.71	3.218	0.821
11/30/2007	2.61	21.42	8.22	75.37	60.97	143.48	171.97	3.120	0.829
12/31/2007	2.27	15.61	6.88	65.06	61.04	143.97	173.98	3.616	0.836
1/31/2008	2.55	30.82	12.09	88.03	61.12	144.92	176.71	2.628	0.845
2/29/2008	2.62	29.48	11.23	89.41	61.19	145.78	179.31	2.774	0.854
3/31/2008	2.73	30.00	11.00	94.00	61.28	146.71	182.22	2.860	0.863
4/30/2008	2.71	29.97	11.07	92.00	61.36	147.61	184.98	2.804	0.872
5/31/2008	2.75	28.48	10.34	86.03	61.44	148.49	187.65	2.742	0.881
6/30/2008	2.71	26.29	9.69	85.50	61.53	149.28	190.21	2.935	0.889
7/31/2008	2.86	26.45	9.24	85.77	61.61	150.10	192.87	2.912	0.898
8/31/2008	2.63	26.69	10.15	90.90	61.70	150.92	195.69	3.086	0.907
9/30/2008	2.80	26.70	9.54	90.33	61.78	151.73	198.40	3.047	0.916
10/31/2008	2.75	26.37	9.58	79.68	61.87	152.54	200.87	2.723	0.924
11/30/2008	2.63	23.94	9.08	94.87	61.94	153.26	203.71	3.553	0.933
12/31/2008	2.48	21.35	8.63	100.65	62.02	153.92	206.83	4.202	0.944
1/31/2009	2.44	22.06	9.05	94.90	62.10	154.61	209.78	3.855	0.954
2/28/2009	2.44	22.54	9.22	93.57	62.17	155.24	212.40	3.727	0.963
3/31/2009	2.32	23.11	9.95	93.58	62.24	155.95	215.30	3.663	0.973
4/30/2009	2.44	23.06	9.47	96.40	62.31	156.65	218.19	3.763	0.983

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	VRR	Cum VRR
5/31/2009	2.14	12.45	5.82	80.26	62.38	157.03	220.68	5.463	0.992
6/30/2009	1.87	4.90	2.62	72.10	62.43	157.18	222.84	10.507	1.000
7/31/2009	2.56	24.66	9.65	93.00	62.51	157.94	225.72	3.401	1.010
8/31/2009	2.45	24.15	9.87	99.03	62.59	158.69	228.79	3.706	1.020
9/30/2009	2.35	23.56	10.04	101.43	62.66	159.40	231.84	3.897	1.030
10/31/2009	2.20	23.60	10.73	102.19	62.73	160.13	235.00	3.945	1.040
11/30/2009	2.14	22.58	10.57	97.90	62.79	160.81	237.94	3.943	1.049
12/31/2009	2.21	23.88	10.79	101.10	62.86	161.55	241.07	3.858	1.059
1/31/2010	2.15	23.94	11.15	101.00	62.93	162.29	244.21	3.856	1.069
2/28/2010	2.09	22.89	10.94	95.39	62.98	162.93	246.88	3.802	1.078
3/31/2010	2.04	23.45	11.48	98.48	63.05	163.66	249.93	3.847	1.087
4/30/2010	1.90	23.07	12.15	94.80	63.10	164.35	252.77	3.783	1.096
5/31/2010	1.93	22.64	11.75	93.94	63.16	165.05	255.69	3.809	1.105
6/30/2010	1.83	21.19	11.59	96.17	63.22	165.69	258.57	4.162	1.114
7/31/2010	1.60	20.36	12.75	92.94	63.27	166.32	261.45	4.218	1.123
8/31/2010	2.06	25.61	12.45	100.48	63.33	167.11	264.57	3.618	1.133
9/30/2010	2.33	30.73	13.22	106.27	63.40	168.04	267.76	3.204	1.141
10/31/2010	2.18	29.27	13.40	104.52	63.47	168.94	271.00	3.311	1.150
11/30/2010	2.23	28.45	12.75	105.03	63.54	169.80	274.15	3.411	1.159
12/31/2010	2.23	28.31	12.67	106.77	63.61	170.67	277.46	3.483	1.168
1/31/2011	2.09	27.54	13.16	104.16	63.67	171.53	280.69	3.503	1.177
2/28/2011	2.16	27.90	12.91	106.93	63.73	172.31	283.68	3.545	1.186
3/31/2011	2.16	27.75	12.86	106.68	63.80	173.17	286.99	3.554	1.195
4/30/2011	1.77	18.79	10.62	102.63	63.85	173.73	290.07	4.970	1.205
5/31/2011	1.48	12.10	8.18	68.29	63.90	174.11	292.18	5.001	1.211
6/30/2011	2.13	30.14	14.14	105.70	63.96	175.01	295.35	3.265	1.220
7/31/2011	2.30	30.23	13.13	108.13	64.03	175.95	298.70	3.312	1.228
8/31/2011	2.01	27.60	13.75	98.26	64.09	176.80	301.75	3.307	1.236
9/30/2011	1.84	25.11	13.62	103.00	64.15	177.56	304.84	3.808	1.245
10/31/2011	2.00	29.07	14.56	104.74	64.21	178.46	308.09	3.361	1.253
11/30/2011	1.99	27.72	13.90	103.47	64.27	179.29	311.19	3.471	1.261
12/31/2011	2.03	25.59	12.60	100.65	64.33	180.08	314.31	3.631	1.269
1/31/2012	1.91	22.69	11.86	101.55	64.39	180.79	317.46	4.112	1.278
2/29/2012	1.75	21.14	12.08	87.93	64.44	181.40	320.01	3.827	1.285
3/31/2012	1.73	23.36	13.48	94.23	64.50	182.12	322.93	3.743	1.293
4/30/2012	1.66	23.34	14.10	100.93	64.55	182.82	325.96	4.025	1.301
5/31/2012	1.50	22.52	15.02	101.74	64.59	183.52	329.11	4.222	1.309
6/30/2012	1.59	24.43	15.36	105.97	64.64	184.26	332.29	4.061	1.318
7/31/2012	1.60	24.10	15.01	104.94	64.69	185.00	335.55	4.070	1.327
8/31/2012	1.59	23.48	14.78	100.81	64.74	185.73	338.67	4.009	1.335
9/30/2012	1.55	23.16	14.91	108.13	64.79	186.43	341.91	4.361	1.344
10/31/2012	1.65	23.81	14.47	106.16	64.84	187.16	345.20	4.157	1.352
11/30/2012	1.65	25.57	15.51	108.00	64.89	187.93	348.44	3.956	1.361
12/31/2012	1.60	25.37	15.89	98.81	64.94	188.72	351.51	3.653	1.368
1/31/2013	1.54	24.32	15.79	105.03	64.99	189.47	354.76	4.050	1.377
2/28/2013	1.68	24.23	14.47	109.50	65.03	190.15	357.83	4.213	1.385

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	VRR	Cum VRR
3/31/2013	1.69	24.00	14.24	109.77	65.08	190.89	361.23	4.260	1.393
4/30/2013	1.62	24.83	15.37	106.80	65.13	191.64	364.44	4.027	1.402
5/31/2013	1.52	22.84	15.03	97.23	65.18	192.35	367.45	3.980	1.409
6/30/2013	1.63	23.63	14.50	106.10	65.23	193.05	370.63	4.187	1.417
7/31/2013	1.59	23.31	14.70	106.68	65.28	193.78	373.94	4.271	1.426
8/31/2013	1.45	22.57	15.60	102.71	65.32	194.48	377.13	4.264	1.434
9/30/2013	1.48	22.47	15.18	104.83	65.37	195.15	380.27	4.363	1.442
10/31/2013	1.44	21.90	15.24	104.29	65.41	195.83	383.50	4.456	1.450
11/30/2013	1.37	21.16	15.50	100.33	65.45	196.46	386.51	4.442	1.457
12/31/2013	1.44	22.43	15.55	103.97	65.50	197.16	389.74	4.342	1.466
1/31/2014	1.46	20.27	13.86	97.68	65.54	197.79	392.76	4.479	1.473
2/28/2014	1.56	22.37	14.37	101.25	65.59	198.41	395.60	4.217	1.480
3/31/2014	1.63	22.90	14.07	102.45	65.64	199.13	398.77	4.162	1.488
4/30/2014	2.15	32.22	14.95	110.13	65.70	200.09	402.08	3.194	1.494
5/31/2014	1.84	29.22	15.85	110.81	65.76	201.00	405.51	3.557	1.502
6/30/2014	1.59	24.85	15.60	91.37	65.81	201.74	408.26	3.444	1.507
7/31/2014	1.38	15.28	11.07	88.32	65.85	202.22	410.99	5.280	1.515
8/31/2014	1.53	27.35	17.85	101.29	65.90	203.06	414.13	3.498	1.521
9/30/2014	1.54	27.39	17.80	94.77	65.94	203.89	416.98	3.267	1.527
10/31/2014	1.49	26.73	17.91	94.45	65.99	204.71	419.90	3.338	1.532
11/30/2014	1.47	28.67	19.55	98.73	66.03	205.57	422.87	3.268	1.538
12/31/2014	1.46	22.84	15.61	94.52	66.08	206.28	425.80	3.878	1.545
1/31/2015	1.66	28.14	16.94	107.58	66.13	207.16	429.13	3.600	1.551
2/28/2015	1.63	26.93	16.51	108.89	66.18	207.91	432.18	3.803	1.558
3/31/2015	1.60	26.87	16.79	100.00	66.23	208.74	435.28	3.503	1.564
4/30/2015	1.54	26.25	16.99	88.13	66.27	209.53	437.92	3.163	1.569
5/31/2015	1.25	25.15	20.10	96.19	66.31	210.31	440.91	3.634	1.575
6/30/2015	1.36	25.32	18.64	101.10	66.35	211.07	443.94	3.781	1.581
7/31/2015	1.35	24.91	18.43	99.97	66.39	211.84	447.04	3.797	1.588
8/31/2015	1.59	24.42	15.36	100.77	66.44	212.60	450.16	3.862	1.594
9/30/2015	1.44	24.18	16.79	94.20	66.49	213.32	452.99	3.666	1.600
10/31/2015	1.31	22.07	16.90	95.23	66.53	214.01	455.94	4.062	1.606
11/30/2015	1.32	24.62	18.70	102.23	66.57	214.75	459.01	3.931	1.613
12/31/2015	1.42	24.46	17.21	102.77	66.61	215.50	462.19	3.960	1.619

Oil Formation Vol Factor : 1.00000 m3/m3
 Water Formation Vol Factor : 1.00000 m3/m3
 Water / Oil Ratio : 67.83 m3/m3
 Pattern : 02-17-006-22
 Inj Set: SourisHartneyUnit#1
 March 09, 2016
 Operator: Tundra_O&G_Prtshp
 Oil Rate (CD) : 0.41 m3/d
 Water Rate (CD) : 27.79 m3/d
 Water Inj Rate (CD) : 26.35 m3/d



Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
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

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	VRR	Cum VRR
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
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

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	VRR	Cum VRR
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
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

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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
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

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	VRR	Cum VRR
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
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

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	VRR	Cum VRR
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
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

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	VRR	Cum VRR
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
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

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	VRR	Cum VRR
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
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

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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
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

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	VRR	Cum VRR
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
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

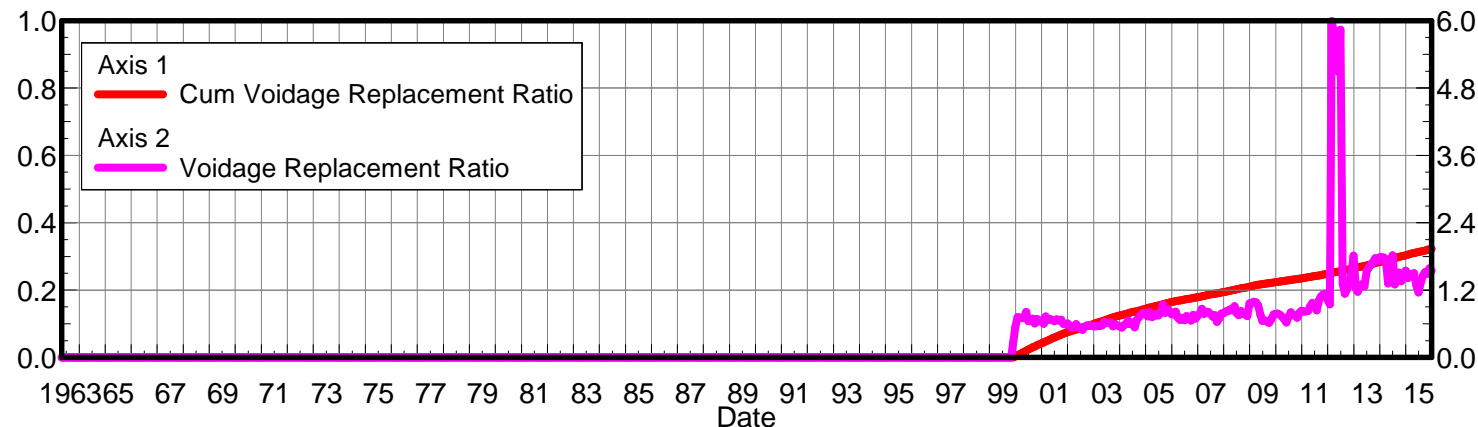
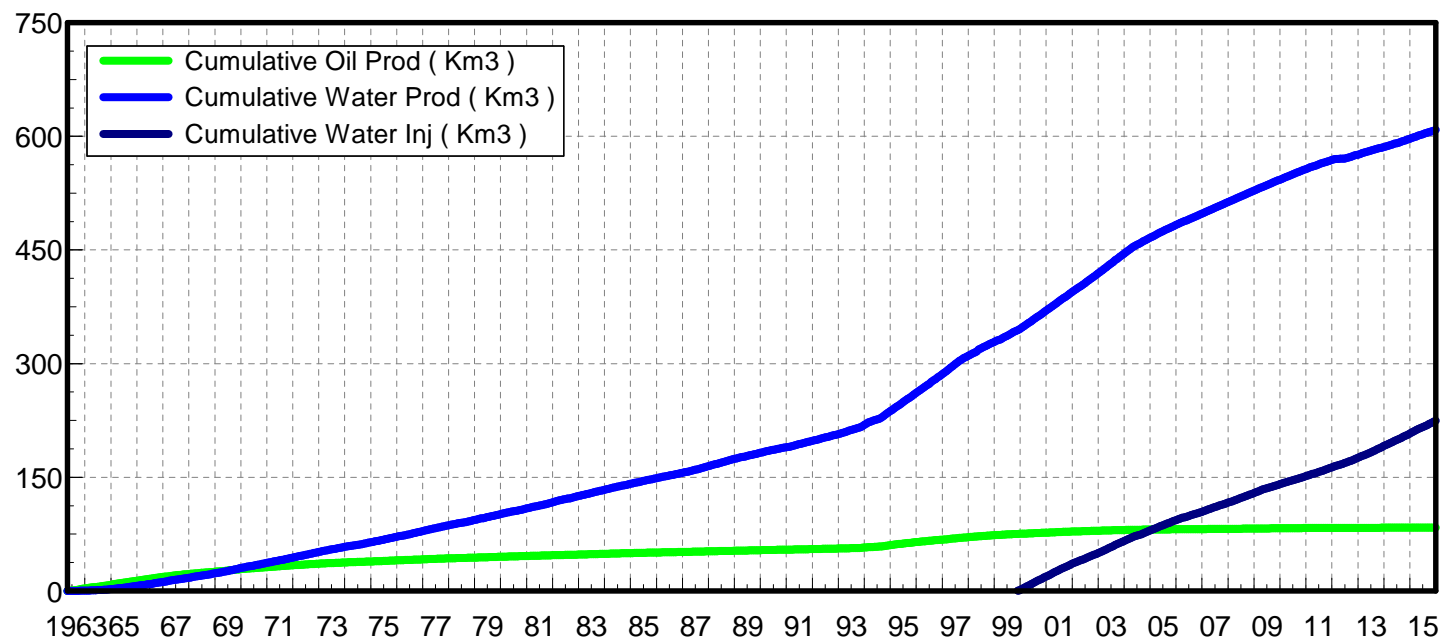
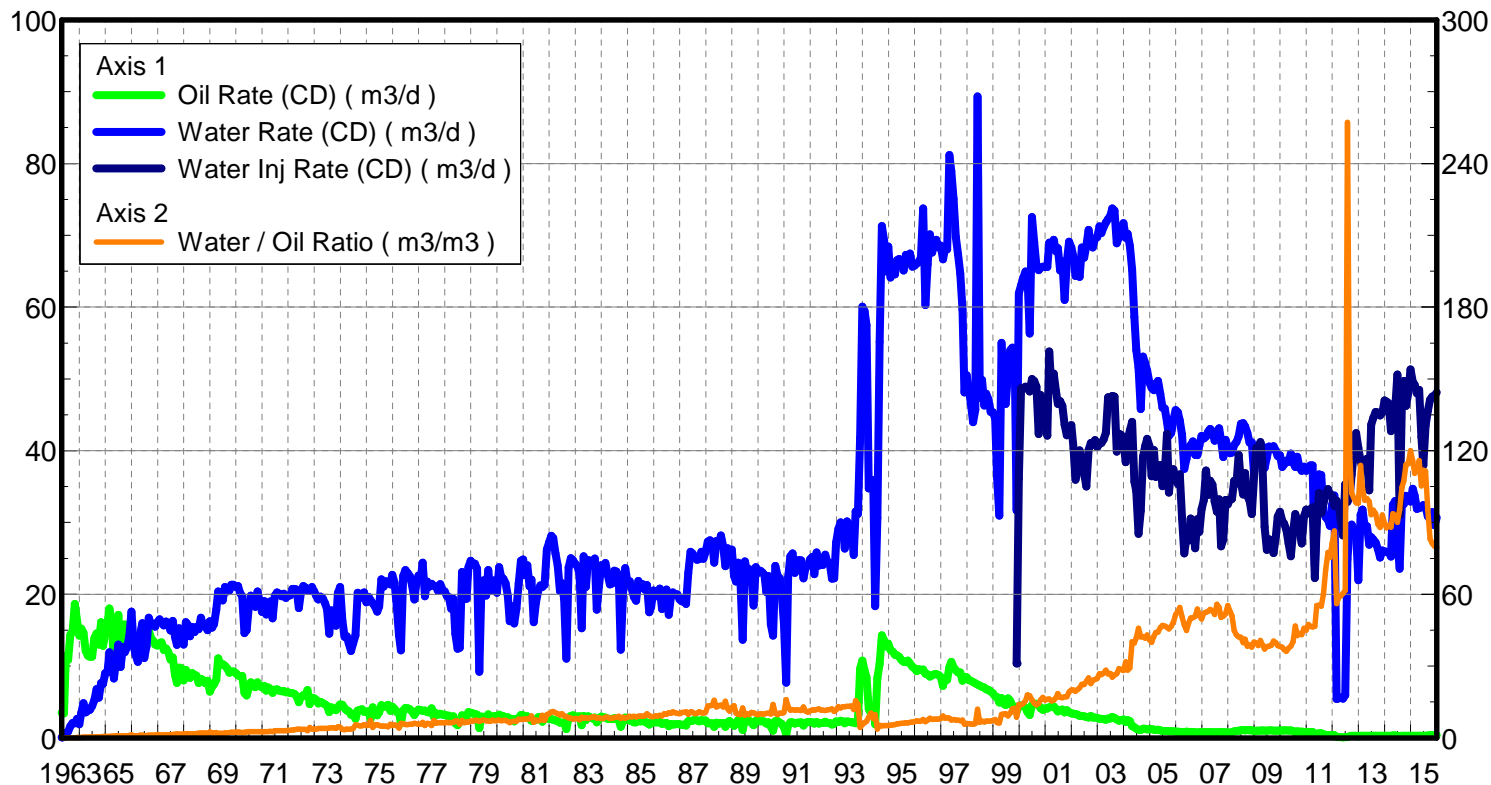
Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
5/31/2000	4.40	50.99	11.58		68.58	128.40	0.00	0.000	0.000
6/30/2000	4.66	56.83	12.21		68.72	130.11	0.00	0.000	0.000
7/31/2000	4.45	52.24	11.75		68.86	131.73	0.00	0.000	0.000
8/31/2000	4.65	52.03	11.19		69.00	133.34	0.00	0.000	0.000
9/30/2000	4.45	50.41	11.33		69.14	134.85	0.00	0.000	0.000
10/31/2000	4.09	46.54	11.38		69.27	136.29	0.00	0.000	0.000
11/30/2000	3.99	46.75	11.72	2.07	69.38	137.70	0.06	0.041	0.000
12/31/2000	4.09	47.12	11.53	24.90	69.51	139.16	0.83	0.484	0.004
1/31/2001	4.46	47.12	10.57	27.39	69.65	140.62	1.68	0.529	0.008
2/28/2001	4.39	50.58	11.53	35.21	69.77	142.03	2.67	0.638	0.012
3/31/2001	4.32	50.67	11.74	32.74	69.91	143.60	3.68	0.593	0.017
4/30/2001	4.39	51.22	11.68	36.83	70.04	145.14	4.79	0.660	0.022
5/31/2001	4.24	51.18	12.06	37.06	70.17	146.73	5.94	0.666	0.027
6/30/2001	3.77	51.63	13.70	36.30	70.28	148.28	7.03	0.653	0.032
7/31/2001	4.09	50.83	12.42	35.87	70.41	149.85	8.14	0.651	0.036
8/31/2001	4.15	51.24	12.35	35.39	70.54	151.44	9.24	0.636	0.041
9/30/2001	4.01	53.25	13.28	30.87	70.66	153.04	10.16	0.537	0.045
10/31/2001	3.98	53.58	13.46	26.42	70.78	154.70	10.98	0.457	0.048
11/30/2001	3.81	51.40	13.51	26.80	70.90	156.24	11.79	0.484	0.051
12/31/2001	3.61	51.48	14.26	27.06	71.01	157.84	12.62	0.490	0.054
1/31/2002	3.44	50.89	14.78	27.52	71.11	159.41	13.48	0.505	0.058
2/28/2002	3.38	48.83	14.47	26.18	71.21	160.78	14.21	0.500	0.060
3/31/2002	3.29	49.08	14.94	28.68	71.31	162.30	15.10	0.546	0.064
4/30/2002	3.24	50.85	15.70	37.13	71.41	163.83	16.21	0.684	0.068
5/31/2002	3.07	51.24	16.68	40.26	71.50	165.42	17.46	0.739	0.073
6/30/2002	3.08	51.49	16.71	38.03	71.60	166.96	18.60	0.695	0.077
7/31/2002	3.07	54.04	17.58	37.29	71.69	168.64	19.76	0.651	0.081
8/31/2002	2.93	54.17	18.50	37.71	71.78	170.32	20.93	0.659	0.085
9/30/2002	2.97	53.52	18.04	37.90	71.87	171.92	22.06	0.669	0.089
10/31/2002	2.97	53.37	17.99	39.26	71.96	173.58	23.28	0.695	0.093
11/30/2002	2.78	53.83	19.36	38.60	72.05	175.19	24.44	0.680	0.097
12/31/2002	2.70	53.79	19.89	39.10	72.13	176.86	25.65	0.690	0.102
1/31/2003	2.59	53.85	20.82	39.19	72.21	178.53	26.87	0.693	0.106
2/28/2003	2.64	54.50	20.66	39.75	72.28	180.05	27.98	0.694	0.109
3/31/2003	2.75	55.80	20.29	38.26	72.37	181.78	29.16	0.652	0.113
4/30/2003	2.73	56.24	20.60	39.37	72.45	183.47	30.35	0.666	0.117
5/31/2003	2.73	56.06	20.57	37.61	72.54	185.21	31.51	0.638	0.121
6/30/2003	2.69	57.71	21.43	36.67	72.62	186.94	32.61	0.606	0.124
7/31/2003	2.55	56.84	22.27	37.00	72.70	188.70	33.76	0.622	0.127
8/31/2003	2.58	57.66	22.32	39.23	72.78	190.49	34.98	0.650	0.131
9/30/2003	2.58	53.35	20.65	38.50	72.85	192.09	36.13	0.687	0.135
10/31/2003	2.47	54.38	22.01	39.52	72.93	193.78	37.35	0.694	0.138
11/30/2003	2.47	55.40	22.40	40.03	73.00	195.44	38.56	0.690	0.142
12/31/2003	2.51	55.03	21.93	39.45	73.08	197.14	39.78	0.684	0.145
1/31/2004	2.23	54.32	24.39	38.48	73.15	198.83	40.97	0.679	0.149

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	VRR	Cum VRR
2/29/2004	2.53	55.00	21.72	38.76	73.22	200.42	42.10	0.672	0.152
3/31/2004	2.43	54.21	22.33	39.06	73.30	202.10	43.31	0.688	0.155
4/30/2004	1.82	50.08	27.56	39.17	73.35	203.61	44.48	0.753	0.159
5/31/2004	1.68	44.49	26.55	37.61	73.41	204.98	45.65	0.813	0.162
6/30/2004	1.47	38.84	26.49	41.67	73.45	206.15	46.90	1.032	0.166
7/31/2004	1.21	39.10	32.37	39.90	73.49	207.36	48.13	0.988	0.169
8/31/2004	1.17	36.08	30.81	38.68	73.52	208.48	49.33	1.037	0.173
9/30/2004	1.19	36.52	30.60	41.30	73.56	209.58	50.57	1.093	0.176
10/31/2004	1.19	35.88	30.06	41.81	73.60	210.69	51.87	1.126	0.180
11/30/2004	1.10	35.85	32.74	42.80	73.63	211.76	53.15	1.157	0.184
12/31/2004	1.03	35.22	34.23	43.68	73.66	212.86	54.51	1.203	0.188
1/31/2005	1.00	34.94	34.77	47.74	73.69	213.94	55.99	1.326	0.192
2/28/2005	0.97	35.82	36.88	47.54	73.72	214.94	57.32	1.290	0.196
3/31/2005	0.92	35.43	38.41	49.00	73.75	216.04	58.84	1.346	0.200
4/30/2005	0.94	36.10	38.34	43.43	73.78	217.12	60.14	1.171	0.204
5/31/2005	0.89	35.38	39.59	49.87	73.80	218.22	61.69	1.373	0.209
6/30/2005	0.87	34.25	39.44	47.80	73.83	219.25	63.12	1.359	0.213
7/31/2005	0.85	33.35	39.38	48.55	73.86	220.28	64.63	1.418	0.217
8/31/2005	0.81	31.67	38.89	41.00	73.88	221.26	65.90	1.260	0.221
9/30/2005	0.80	30.75	38.28	43.30	73.91	222.19	67.19	1.371	0.224
10/31/2005	0.78	30.54	39.12	42.68	73.93	223.13	68.52	1.361	0.228
11/30/2005	0.78	31.47	40.61	48.20	73.95	224.08	69.96	1.493	0.232
12/31/2005	0.71	30.50	42.98	50.03	73.98	225.02	71.52	1.601	0.236
1/31/2006	0.70	30.91	44.16	51.23	74.00	225.98	73.10	1.619	0.241
2/28/2006	0.68	30.75	45.31	50.54	74.02	226.84	74.52	1.606	0.245
3/31/2006	0.68	31.74	46.41	50.52	74.04	227.82	76.08	1.556	0.249
4/30/2006	0.64	30.00	46.75	47.47	74.06	228.72	77.51	1.548	0.253
5/31/2006	0.70	31.25	44.44	48.42	74.08	229.69	79.01	1.514	0.257
6/30/2006	0.69	32.60	47.25	50.17	74.10	230.67	80.51	1.505	0.261
7/31/2006	0.64	32.15	50.46	48.03	74.12	231.67	82.00	1.464	0.265
8/31/2006	0.60	31.36	51.99	51.23	74.14	232.64	83.59	1.601	0.269
9/30/2006	0.60	32.21	53.54	48.23	74.16	233.61	85.04	1.469	0.273
10/31/2006	0.58	32.70	56.48	50.32	74.17	234.62	86.60	1.511	0.277
11/30/2006	0.61	32.40	53.25	53.13	74.19	235.59	88.19	1.608	0.281
12/31/2006	0.66	34.02	51.31	54.19	74.21	236.65	89.87	1.561	0.286
1/31/2007	0.64	35.15	55.31	54.39	74.23	237.74	91.56	1.519	0.290
2/28/2007	0.61	34.46	56.27	48.57	74.25	238.70	92.92	1.384	0.293
3/31/2007	0.62	34.32	55.41	47.81	74.27	239.77	94.40	1.367	0.297
4/30/2007	0.61	34.32	55.96	51.37	74.29	240.80	95.94	1.469	0.301
5/31/2007	0.61	33.92	55.34	49.65	74.31	241.85	97.48	1.437	0.305
6/30/2007	0.61	32.95	53.87	48.77	74.32	242.84	98.94	1.452	0.308
7/31/2007	0.58	33.34	57.10	47.42	74.34	243.87	100.41	1.397	0.312
8/31/2007	0.60	33.88	56.02	50.77	74.36	244.92	101.99	1.471	0.316
9/30/2007	0.63	32.52	51.76	54.57	74.38	245.89	103.62	1.644	0.320
10/31/2007	0.59	31.11	52.70	49.39	74.40	246.86	105.16	1.556	0.324

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	VRR	Cum VRR
11/30/2007	0.49	25.94	53.12	53.73	74.41	247.64	106.77	2.031	0.328
12/31/2007	0.36	20.02	56.16	49.13	74.42	248.26	108.29	2.409	0.332
1/31/2008	0.59	35.53	59.87	54.55	74.44	249.36	109.98	1.509	0.336
2/29/2008	0.66	33.95	51.28	53.24	74.46	250.34	111.53	1.537	0.339
3/31/2008	0.75	34.46	45.95	54.90	74.48	251.41	113.23	1.558	0.344
4/30/2008	0.74	34.51	46.43	57.77	74.51	252.45	114.96	1.637	0.348
5/31/2008	0.78	32.85	42.08	54.52	74.53	253.47	116.65	1.619	0.352
6/30/2008	0.77	30.67	39.92	55.40	74.55	254.39	118.31	1.760	0.356
7/31/2008	0.82	30.80	37.66	57.23	74.58	255.34	120.09	1.808	0.360
8/31/2008	0.78	31.02	39.91	52.19	74.60	256.30	121.70	1.639	0.364
9/30/2008	0.83	30.94	37.35	55.80	74.63	257.23	123.38	1.754	0.368
10/31/2008	0.85	30.57	36.10	50.23	74.65	258.18	124.94	1.597	0.371
11/30/2008	0.86	27.99	32.61	57.07	74.68	259.02	126.65	1.975	0.375
12/31/2008	0.74	24.81	33.44	41.65	74.70	259.79	127.94	1.627	0.378
1/31/2009	0.78	25.75	33.06	50.19	74.73	260.59	129.49	1.889	0.382
2/28/2009	0.79	25.91	32.75	52.75	74.75	261.31	130.97	1.973	0.385
3/31/2009	0.76	26.63	34.90	51.81	74.77	262.14	132.58	1.889	0.389
4/30/2009	0.79	26.55	33.46	53.17	74.80	262.93	134.17	1.942	0.393
5/31/2009	0.46	15.11	33.00	53.52	74.81	263.40	135.83	3.432	0.397
6/30/2009	0.20	7.48	36.47	53.13	74.82	263.63	137.43	6.908	0.402
7/31/2009	0.84	27.95	33.39	52.29	74.84	264.49	139.05	1.814	0.405
8/31/2009	0.80	27.65	34.56	53.23	74.87	265.35	140.70	1.868	0.409
9/30/2009	0.77	27.16	35.43	54.63	74.89	266.16	142.34	1.953	0.413
10/31/2009	0.66	27.08	40.85	52.97	74.91	267.00	143.98	1.907	0.417
11/30/2009	0.63	25.93	41.04	48.07	74.93	267.78	145.42	1.808	0.420
12/31/2009	0.64	27.26	42.79	48.68	74.95	268.63	146.93	1.743	0.423
1/31/2010	0.63	27.24	43.08	48.10	74.97	269.47	148.42	1.724	0.426
2/28/2010	0.62	26.12	41.91	48.89	74.99	270.20	149.79	1.826	0.429
3/31/2010	0.66	26.79	40.71	49.71	75.01	271.03	151.33	1.809	0.433
4/30/2010	0.64	26.64	41.95	52.00	75.03	271.83	152.89	1.904	0.436
5/31/2010	0.64	26.60	41.54	52.81	75.05	272.66	154.53	1.936	0.440
6/30/2010	0.61	25.01	40.78	49.17	75.07	273.41	156.00	1.916	0.443
7/31/2010	0.53	24.21	45.35	42.16	75.08	274.16	157.31	1.702	0.446
8/31/2010	0.80	29.53	37.14	46.74	75.11	275.07	158.76	1.539	0.449
9/30/2010	1.06	34.44	32.39	49.70	75.14	276.11	160.25	1.398	0.451
10/31/2010	1.05	33.04	31.37	50.90	75.17	277.13	161.83	1.491	0.454
11/30/2010	0.99	31.92	32.24	48.10	75.20	278.09	163.27	1.459	0.457
12/31/2010	0.99	31.66	31.92	47.13	75.23	279.07	164.73	1.441	0.460
1/31/2011	0.93	31.13	33.40	45.55	75.26	280.03	166.14	1.418	0.463
2/28/2011	0.96	31.56	32.85	47.04	75.29	280.92	167.46	1.444	0.465
3/31/2011	0.96	31.25	32.51	46.84	75.32	281.89	168.91	1.452	0.468
4/30/2011	0.60	20.41	34.02	23.50	75.34	282.50	169.62	1.117	0.469
5/31/2011	0.39	15.30	39.37	40.45	75.35	282.97	170.87	2.575	0.472
6/30/2011	0.96	34.60	36.05	44.97	75.38	284.01	172.22	1.263	0.474
7/31/2011	1.05	34.35	32.81	46.87	75.41	285.08	173.67	1.322	0.477

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	VRR	Cum VRR
8/31/2011	0.91	31.10	34.01	40.74	75.44	286.04	174.94	1.271	0.479
9/30/2011	0.79	28.41	35.82	39.17	75.46	286.89	176.11	1.339	0.481
10/31/2011	0.92	32.52	35.19	44.10	75.49	287.90	177.48	1.317	0.483
11/30/2011	0.90	31.02	34.53	45.13	75.52	288.83	178.83	1.412	0.486
12/31/2011	0.83	29.21	35.16	45.16	75.54	289.74	180.23	1.501	0.488
1/31/2012	0.76	26.67	34.89	45.87	75.57	290.56	181.65	1.669	0.491
2/29/2012	0.69	24.88	35.81	45.90	75.59	291.29	182.98	1.792	0.494
3/31/2012	0.69	26.73	38.55	46.84	75.61	292.11	184.44	1.706	0.496
4/30/2012	0.72	26.98	37.64	48.30	75.63	292.92	185.88	1.742	0.499
5/31/2012	0.68	26.16	38.44	45.19	75.65	293.74	187.29	1.681	0.502
6/30/2012	0.72	28.34	39.19	42.93	75.67	294.59	188.57	1.475	0.504
7/31/2012	0.73	28.34	38.96	44.16	75.69	295.46	189.94	1.517	0.507
8/31/2012	0.71	27.98	39.34	44.58	75.72	296.33	191.32	1.552	0.509
9/30/2012	0.68	27.74	41.00	39.20	75.74	297.16	192.50	1.378	0.511
10/31/2012	0.68	27.89	41.17	38.74	75.76	298.03	193.70	1.354	0.513
11/30/2012	0.68	29.68	43.75	36.73	75.78	298.92	194.80	1.209	0.515
12/31/2012	0.64	29.37	45.64	36.42	75.80	299.83	195.93	1.212	0.516
1/31/2013	0.64	28.69	44.70	41.45	75.82	300.72	197.22	1.412	0.519
2/28/2013	0.66	28.44	43.16	42.96	75.84	301.52	198.42	1.475	0.521
3/31/2013	0.62	28.04	45.27	43.19	75.86	302.38	199.76	1.506	0.523
4/30/2013	0.64	28.85	45.31	42.67	75.87	303.25	201.04	1.445	0.525
5/31/2013	0.60	26.43	44.17	39.03	75.89	304.07	202.25	1.442	0.527
6/30/2013	0.65	27.72	42.65	33.17	75.91	304.90	203.25	1.168	0.528
7/31/2013	0.62	27.48	44.03	30.65	75.93	305.75	204.19	1.089	0.530
8/31/2013	0.58	26.71	46.13	31.23	75.95	306.58	205.16	1.143	0.531
9/30/2013	0.59	26.43	44.67	31.60	75.97	307.37	206.11	1.168	0.532
10/31/2013	0.57	25.80	44.93	28.58	75.99	308.17	207.00	1.083	0.534
11/30/2013	0.53	25.43	48.14	31.90	76.00	308.94	207.95	1.228	0.535
12/31/2013	0.58	26.68	46.21	28.39	76.02	309.76	208.83	1.040	0.536
1/31/2014	0.54	24.52	45.24	29.65	76.04	310.52	209.75	1.182	0.537
2/28/2014	0.58	26.39	45.47	31.25	76.05	311.26	210.63	1.158	0.539
3/31/2014	0.60	26.54	43.87	33.06	76.07	312.09	211.65	1.217	0.540
4/30/2014	1.01	35.86	35.44	33.13	76.10	313.16	212.65	0.897	0.541
5/31/2014	0.74	32.93	44.68	29.61	76.12	314.18	213.57	0.879	0.542
6/30/2014	0.56	27.90	50.27	21.00	76.14	315.02	214.19	0.737	0.542
7/31/2014	0.32	18.22	56.76	20.58	76.15	315.58	214.83	1.109	0.543
8/31/2014	0.51	31.57	62.33	28.61	76.17	316.56	215.72	0.891	0.544
9/30/2014	0.48	31.40	65.18	28.63	76.18	317.50	216.58	0.898	0.545
10/31/2014	0.44	30.76	69.61	27.19	76.19	318.46	217.42	0.871	0.546
11/30/2014	0.43	32.35	75.53	30.93	76.21	319.43	218.35	0.943	0.547
12/31/2014	0.29	26.10	89.41	28.26	76.22	320.24	219.23	1.070	0.548
1/31/2015	0.35	31.47	88.70	27.26	76.23	321.21	220.07	0.856	0.548
2/28/2015	0.36	30.20	83.71	29.11	76.24	322.06	220.89	0.952	0.549
3/31/2015	0.37	30.07	81.42	30.35	76.25	322.99	221.83	0.996	0.550
4/30/2015	0.38	29.45	77.16	29.77	76.26	323.87	222.72	0.997	0.551

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	VRR	Cum VRR
5/31/2015	0.39	28.97	73.91	36.81	76.27	324.77	223.86	1.253	0.553
6/30/2015	0.37	28.92	77.82	39.53	76.28	325.64	225.05	1.349	0.555
7/31/2015	0.36	28.42	79.03	32.58	76.29	326.52	226.06	1.131	0.556
8/31/2015	0.37	27.58	74.67	28.00	76.31	327.38	226.93	1.001	0.557
9/30/2015	0.38	27.55	73.13	28.43	76.32	328.20	227.78	1.018	0.558
10/31/2015	0.36	25.56	70.12	27.52	76.33	328.99	228.63	1.061	0.559
11/30/2015	0.40	28.03	70.66	26.73	76.34	329.84	229.43	0.940	0.560
12/31/2015	0.41	27.79	67.83	26.35	76.35	330.70	230.25	0.934	0.560



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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

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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
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

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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
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

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	VRR	Cum VRR
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
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

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	VRR	Cum VRR
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
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

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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
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

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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
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

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	VRR	Cum VRR
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
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

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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
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

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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
4/30/1999	5.56	55.02	9.90		74.26	333.75	0.00	0.000	0.000
5/31/1999	4.73	46.98	9.93		74.41	335.20	0.00	0.000	0.000
6/30/1999	4.59	46.52	10.13		74.55	336.60	0.00	0.000	0.000
7/31/1999	5.52	50.76	9.20		74.72	338.17	0.00	0.000	0.000
8/31/1999	5.22	54.02	10.35		74.88	339.85	0.00	0.000	0.000
9/30/1999	4.49	54.36	12.12		75.01	341.48	0.00	0.000	0.000
10/31/1999	4.28	53.29	12.44		75.15	343.13	0.00	0.000	0.000
11/30/1999	3.65	31.65	8.68	10.37	75.26	344.08	0.31	0.292	0.001
12/31/1999	4.43	61.94	13.99	36.10	75.39	346.00	1.43	0.542	0.003
1/31/2000	4.55	63.03	13.86	48.71	75.53	347.96	2.94	0.718	0.007
2/29/2000	4.46	64.13	14.38	48.72	75.66	349.82	4.35	0.708	0.010
3/31/2000	4.17	64.97	15.59	48.94	75.79	351.83	5.87	0.706	0.014
4/30/2000	3.57	64.30	17.99	48.63	75.90	353.76	7.33	0.715	0.017
5/31/2000	3.19	56.34	17.65	48.26	76.00	355.50	8.82	0.808	0.020
6/30/2000	4.58	72.52	15.82	50.00	76.14	357.68	10.32	0.647	0.024
7/31/2000	4.74	69.00	14.56	49.71	76.28	359.82	11.87	0.672	0.027
8/31/2000	4.76	65.72	13.80	48.90	76.43	361.86	13.38	0.691	0.030
9/30/2000	4.53	65.14	14.40	42.33	76.57	363.81	14.65	0.606	0.033
10/31/2000	4.13	65.48	15.87	47.74	76.69	365.84	16.13	0.684	0.036
11/30/2000	3.89	65.64	16.88	46.40	76.81	367.81	17.52	0.666	0.039
12/31/2000	4.14	65.59	15.85	44.29	76.94	369.84	18.90	0.633	0.042
1/31/2001	4.08	65.57	16.06	42.10	77.07	371.88	20.20	0.603	0.045
2/28/2001	4.24	68.97	16.26	53.82	77.18	373.81	21.71	0.733	0.048
3/31/2001	4.40	68.13	15.50	48.48	77.32	375.92	23.21	0.666	0.051
4/30/2001	4.39	69.37	15.78	50.77	77.45	378.00	24.73	0.686	0.054
5/31/2001	4.04	67.76	16.76	48.29	77.58	380.10	26.23	0.671	0.057
6/30/2001	3.68	68.22	18.55	46.53	77.69	382.15	27.63	0.646	0.060
7/31/2001	3.85	65.10	16.92	46.90	77.81	384.17	29.08	0.678	0.062

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8/31/2001	3.95	66.37	16.78	46.23	77.93	386.22	30.52	0.655	0.065
9/30/2001	3.54	60.98	17.23	43.60	78.04	388.05	31.82	0.674	0.068
10/31/2001	3.87	66.28	17.14	42.16	78.16	390.11	33.13	0.599	0.070
11/30/2001	3.59	69.12	19.26	42.90	78.26	392.18	34.42	0.589	0.073
12/31/2001	3.41	68.29	20.02	43.58	78.37	394.30	35.77	0.606	0.075
1/31/2002	3.36	66.99	19.96	40.32	78.47	396.37	37.02	0.572	0.077
2/28/2002	3.32	64.33	19.40	35.93	78.57	398.18	38.02	0.530	0.079
3/31/2002	3.23	65.24	20.20	37.13	78.67	400.20	39.17	0.541	0.081
4/30/2002	3.06	64.20	20.99	40.07	78.76	402.12	40.38	0.594	0.083
5/31/2002	3.05	68.30	22.39	38.97	78.85	404.24	41.59	0.545	0.085
6/30/2002	3.01	66.89	22.21	36.83	78.94	406.25	42.69	0.526	0.087
7/31/2002	2.90	68.54	23.61	35.03	79.03	408.37	43.78	0.489	0.089
8/31/2002	2.82	70.74	25.05	40.10	79.12	410.57	45.02	0.544	0.091
9/30/2002	3.04	68.71	22.63	41.07	79.21	412.63	46.25	0.571	0.093
10/31/2002	2.85	68.33	23.96	40.84	79.30	414.75	47.52	0.573	0.095
11/30/2002	2.85	69.55	24.40	41.47	79.39	416.83	48.76	0.572	0.097
12/31/2002	2.81	69.73	24.82	40.52	79.47	418.99	50.02	0.557	0.100
1/31/2003	2.66	71.24	26.77	40.94	79.56	421.20	51.29	0.553	0.102
2/28/2003	2.67	70.30	26.37	41.07	79.63	423.17	52.44	0.562	0.103
3/31/2003	2.62	71.16	27.13	41.58	79.71	425.38	53.73	0.563	0.106
4/30/2003	2.53	71.79	28.34	42.50	79.79	427.53	55.00	0.571	0.108
5/31/2003	2.71	72.28	26.66	47.45	79.87	429.77	56.47	0.632	0.110
6/30/2003	2.70	72.71	26.95	46.17	79.95	431.95	57.86	0.611	0.112
7/31/2003	2.91	73.76	25.32	47.61	80.04	434.24	59.33	0.620	0.114
8/31/2003	2.80	73.44	26.26	47.55	80.13	436.51	60.81	0.623	0.117
9/30/2003	2.57	68.89	26.79	39.87	80.21	438.58	62.00	0.557	0.119
10/31/2003	2.41	69.72	28.93	42.35	80.28	440.74	63.31	0.586	0.121
11/30/2003	2.50	71.14	28.49	42.20	80.36	442.88	64.58	0.572	0.122
12/31/2003	2.55	71.67	28.14	41.19	80.44	445.10	65.86	0.554	0.124
1/31/2004	2.19	69.65	31.80	38.42	80.50	447.26	67.05	0.534	0.126
2/29/2004	2.48	70.21	28.30	41.55	80.58	449.29	68.25	0.571	0.128
3/31/2004	2.35	68.51	29.17	42.81	80.65	451.42	69.58	0.603	0.130
4/30/2004	1.62	65.23	40.19	44.03	80.70	453.37	70.90	0.658	0.132
5/31/2004	1.48	58.63	39.68	35.74	80.74	455.19	72.01	0.594	0.133
6/30/2004	1.29	54.03	41.77	34.37	80.78	456.81	73.04	0.620	0.135
7/31/2004	1.13	51.58	45.82	28.42	80.82	458.41	73.92	0.539	0.136
8/31/2004	1.09	45.81	42.20	31.65	80.85	459.83	74.90	0.674	0.138
9/30/2004	1.25	53.12	42.38	39.17	80.89	461.43	76.08	0.720	0.139
10/31/2004	1.25	52.19	41.70	40.68	80.93	463.04	77.34	0.760	0.141
11/30/2004	1.19	51.16	42.99	41.63	80.96	464.58	78.59	0.794	0.143
12/31/2004	1.21	49.48	41.01	40.68	81.00	466.11	79.85	0.802	0.145
1/31/2005	1.22	48.74	39.97	36.45	81.04	467.62	80.98	0.729	0.147
2/28/2005	1.14	48.43	42.44	40.11	81.07	468.98	82.10	0.808	0.148
3/31/2005	1.12	49.30	44.11	36.35	81.10	470.51	83.23	0.720	0.150
4/30/2005	1.13	49.72	44.20	37.60	81.14	472.00	84.36	0.739	0.151
5/31/2005	1.04	47.93	46.07	38.00	81.17	473.49	85.53	0.775	0.153

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	VRR	Cum VRR
6/30/2005	0.98	45.96	46.98	35.07	81.20	474.86	86.59	0.746	0.155
7/31/2005	0.98	45.89	46.72	36.87	81.23	476.29	87.73	0.786	0.156
8/31/2005	0.95	44.02	46.18	42.35	81.26	477.65	89.04	0.941	0.158
9/30/2005	0.92	42.04	45.53	34.17	81.29	478.91	90.07	0.794	0.160
10/31/2005	0.91	42.46	46.60	37.39	81.32	480.23	91.23	0.861	0.161
11/30/2005	0.92	44.27	48.38	37.43	81.34	481.56	92.35	0.828	0.163
12/31/2005	0.89	45.67	51.58	35.94	81.37	482.97	93.46	0.771	0.164
1/31/2006	0.86	45.34	52.84	35.35	81.40	484.38	94.56	0.765	0.166
2/28/2006	0.81	44.18	54.50	36.71	81.42	485.62	95.59	0.815	0.167
3/31/2006	0.83	42.25	50.67	30.65	81.45	486.93	96.54	0.711	0.169
4/30/2006	0.80	37.45	47.10	25.70	81.47	488.05	97.31	0.671	0.170
5/31/2006	0.87	38.88	44.81	28.00	81.50	489.25	98.18	0.704	0.171
6/30/2006	0.85	40.45	47.78	27.47	81.52	490.47	99.00	0.664	0.172
7/31/2006	0.81	40.74	50.02	30.55	81.55	491.73	99.95	0.734	0.173
8/31/2006	0.82	41.28	50.19	29.03	81.57	493.01	100.85	0.689	0.174
9/30/2006	0.78	39.41	50.75	26.40	81.60	494.19	101.64	0.656	0.175
10/31/2006	0.73	39.40	53.81	30.48	81.62	495.41	102.58	0.759	0.177
11/30/2006	0.80	40.72	51.11	28.70	81.64	496.64	103.45	0.691	0.178
12/31/2006	0.85	42.05	49.65	31.87	81.67	497.94	104.43	0.742	0.179
1/31/2007	0.80	41.72	52.04	33.10	81.69	499.23	105.46	0.778	0.180
2/28/2007	0.80	41.97	52.46	37.25	81.72	500.41	106.50	0.870	0.182
3/31/2007	0.81	42.69	52.83	33.87	81.74	501.73	107.55	0.778	0.183
4/30/2007	0.80	43.05	53.70	35.80	81.76	503.02	108.63	0.816	0.184
5/31/2007	0.80	42.70	53.16	35.29	81.79	504.35	109.72	0.810	0.186
6/30/2007	0.80	41.37	51.60	32.90	81.81	505.59	110.71	0.779	0.187
7/31/2007	0.76	42.70	55.85	31.48	81.84	506.91	111.68	0.724	0.188
8/31/2007	0.79	43.12	54.45	33.23	81.86	508.25	112.71	0.756	0.190
9/30/2007	0.82	41.38	50.36	26.70	81.89	509.49	113.52	0.632	0.191
10/31/2007	0.77	39.11	50.83	27.65	81.91	510.70	114.37	0.693	0.192
11/30/2007	0.80	41.54	51.82	33.13	81.93	511.95	115.37	0.782	0.193
12/31/2007	0.73	40.35	55.35	32.52	81.96	513.20	116.37	0.791	0.194
1/31/2008	0.75	39.67	52.89	33.23	81.98	514.43	117.40	0.821	0.196
2/29/2008	0.78	39.74	50.99	33.28	82.00	515.58	118.37	0.820	0.197
3/31/2008	0.91	40.82	44.87	35.81	82.03	516.85	119.48	0.857	0.198
4/30/2008	0.96	41.23	42.95	35.40	82.06	518.08	120.54	0.838	0.199
5/31/2008	1.00	42.01	42.14	39.42	82.09	519.38	121.76	0.916	0.201
6/30/2008	1.04	43.74	42.06	35.60	82.12	520.70	122.83	0.794	0.202
7/31/2008	1.10	43.84	39.74	33.90	82.16	522.06	123.88	0.753	0.204
8/31/2008	1.05	43.40	41.20	36.90	82.19	523.40	125.03	0.829	0.205
9/30/2008	1.11	42.48	38.33	33.73	82.22	524.68	126.04	0.773	0.206
10/31/2008	1.05	41.10	39.02	33.03	82.25	525.95	127.06	0.783	0.208
11/30/2008	1.09	41.16	37.87	31.20	82.29	527.18	128.00	0.738	0.209
12/31/2008	0.92	36.79	40.09	36.35	82.32	528.33	129.13	0.963	0.210
1/31/2009	1.02	40.48	39.71	40.42	82.35	529.58	130.38	0.973	0.212
2/28/2009	1.03	39.65	38.55	40.43	82.38	530.69	131.51	0.993	0.213
3/31/2009	1.00	40.88	40.68	41.19	82.41	531.96	132.79	0.982	0.215

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4/30/2009	1.04	40.64	39.02	38.50	82.44	533.18	133.94	0.922	0.216
5/31/2009	1.01	37.61	37.13	29.39	82.47	534.34	134.85	0.760	0.217
6/30/2009	1.02	39.06	38.24	26.17	82.50	535.51	135.64	0.652	0.218
7/31/2009	1.06	40.58	38.35	27.65	82.53	536.77	136.50	0.663	0.219
8/31/2009	1.04	40.22	38.78	26.55	82.57	538.02	137.32	0.643	0.220
9/30/2009	1.00	40.62	40.49	25.73	82.60	539.24	138.09	0.617	0.221
10/31/2009	1.00	39.99	39.80	28.00	82.63	540.48	138.96	0.682	0.222
11/30/2009	1.02	39.25	38.54	30.83	82.66	541.66	139.88	0.765	0.223
12/31/2009	1.03	39.40	38.23	31.48	82.69	542.88	140.86	0.778	0.224
1/31/2010	1.00	37.71	37.90	30.23	82.72	544.05	141.80	0.780	0.225
2/28/2010	1.03	38.10	36.85	29.82	82.75	545.11	142.63	0.761	0.226
3/31/2010	1.07	38.63	36.13	29.00	82.78	546.31	143.53	0.729	0.227
4/30/2010	1.03	38.45	37.45	27.10	82.81	547.46	144.34	0.686	0.228
5/31/2010	1.03	39.60	38.31	25.29	82.84	548.69	145.13	0.622	0.228
6/30/2010	0.95	38.37	40.18	28.67	82.87	549.84	145.99	0.728	0.229
7/31/2010	0.81	37.72	46.68	31.16	82.90	551.01	146.95	0.808	0.230
8/31/2010	0.92	39.15	42.74	30.19	82.93	552.23	147.89	0.753	0.231
9/30/2010	0.86	37.68	43.73	28.80	82.95	553.36	148.75	0.746	0.232
10/31/2010	0.86	37.20	43.11	27.10	82.98	554.51	149.59	0.711	0.233
11/30/2010	0.82	37.76	45.77	30.83	83.00	555.64	150.52	0.798	0.234
12/31/2010	0.83	37.21	45.06	31.81	83.03	556.80	151.50	0.835	0.235
1/31/2011	0.79	37.58	47.45	31.29	83.05	557.96	152.47	0.815	0.236
2/28/2011	0.81	37.98	46.64	31.86	83.08	559.02	153.37	0.820	0.237
3/31/2011	0.82	37.95	46.31	32.13	83.10	560.20	154.36	0.828	0.238
4/30/2011	0.51	23.95	46.65	22.27	83.12	560.92	155.03	0.909	0.239
5/31/2011	0.55	30.31	55.27	29.90	83.14	561.86	155.96	0.968	0.240
6/30/2011	0.66	36.69	55.45	34.10	83.16	562.96	156.98	0.912	0.241
7/31/2011	0.67	36.62	54.98	31.32	83.18	564.09	157.95	0.839	0.242
8/31/2011	0.52	31.44	60.17	32.71	83.19	565.07	158.97	1.022	0.244
9/30/2011	0.44	30.72	70.35	33.80	83.20	565.99	159.98	1.084	0.245
10/31/2011	0.39	30.40	77.56	34.68	83.22	566.93	161.05	1.126	0.246
11/30/2011	0.39	29.53	75.39	33.97	83.23	567.82	162.07	1.135	0.247
12/31/2011	0.40	32.49	81.21	33.77	83.24	568.83	163.12	1.026	0.249
1/31/2012	0.39	33.75	86.46	32.29	83.25	569.87	164.12	0.945	0.250
2/29/2012	0.10	5.41	56.04	33.03	83.26	570.03	165.08	5.993	0.251
3/31/2012	0.09	5.51	58.93	32.35	83.26	570.20	166.08	5.766	0.253
4/30/2012	0.10	5.63	59.25	30.23	83.26	570.37	166.99	5.278	0.254
5/31/2012	0.09	5.45	60.34	28.21	83.26	570.54	167.86	5.087	0.255
6/30/2012	0.10	5.95	61.57	35.33	83.27	570.72	168.92	5.837	0.257
7/31/2012	0.10	24.89	257.17	32.87	83.27	571.49	169.94	1.315	0.258
8/31/2012	0.25	29.34	118.14	33.65	83.28	572.40	170.99	1.136	0.259
9/30/2012	0.29	29.70	102.43	36.67	83.29	573.29	172.09	1.222	0.260
10/31/2012	0.29	29.09	100.21	39.77	83.30	574.19	173.32	1.353	0.262
11/30/2012	0.29	28.47	98.18	42.47	83.30	575.04	174.59	1.476	0.264
12/31/2012	0.22	21.98	98.02	40.35	83.31	575.73	175.84	1.817	0.265
1/31/2013	0.27	31.03	113.85	38.52	83.32	576.69	177.04	1.230	0.267

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2/28/2013	0.31	31.79	104.10	37.54	83.33	577.58	178.09	1.169	0.268
3/31/2013	0.30	29.31	99.30	37.42	83.34	578.49	179.25	1.263	0.269
4/30/2013	0.29	29.49	99.97	38.90	83.35	579.37	180.42	1.305	0.271
5/31/2013	0.27	26.91	98.73	34.48	83.36	580.21	181.48	1.268	0.272
6/30/2013	0.30	27.98	93.26	43.63	83.36	581.04	182.79	1.542	0.273
7/31/2013	0.29	27.63	95.16	44.61	83.37	581.90	184.18	1.597	0.275
8/31/2013	0.29	27.21	93.72	45.42	83.38	582.74	185.58	1.651	0.277
9/30/2013	0.29	26.34	89.28	45.30	83.39	583.53	186.94	1.700	0.279
10/31/2013	0.29	25.11	87.95	44.90	83.40	584.31	188.34	1.767	0.280
11/30/2013	0.28	26.09	93.18	45.30	83.41	585.10	189.69	1.717	0.282
12/31/2013	0.29	25.98	89.50	47.00	83.42	585.90	191.15	1.788	0.284
1/31/2014	0.30	25.90	87.75	46.84	83.43	586.70	192.60	1.787	0.286
2/28/2014	0.29	25.85	88.80	46.61	83.43	587.43	193.91	1.782	0.287
3/31/2014	0.29	25.27	88.03	42.74	83.44	588.21	195.23	1.671	0.289
4/30/2014	0.35	32.49	93.72	43.27	83.45	589.19	196.53	1.317	0.290
5/31/2014	0.35	33.02	93.05	45.77	83.46	590.21	197.95	1.371	0.292
6/30/2014	0.30	27.47	90.05	50.60	83.47	591.03	199.47	1.821	0.294
7/31/2014	0.25	23.56	95.48	31.00	83.48	591.76	200.43	1.301	0.295
8/31/2014	0.31	32.75	104.68	46.65	83.49	592.78	201.88	1.410	0.297
9/30/2014	0.30	32.55	107.30	49.73	83.50	593.76	203.37	1.513	0.298
10/31/2014	0.30	33.72	114.25	46.26	83.51	594.80	204.80	1.359	0.300
11/30/2014	0.29	33.41	114.53	48.03	83.52	595.80	206.24	1.425	0.302
12/31/2014	0.27	32.90	119.99	51.32	83.53	596.82	207.83	1.546	0.304
1/31/2015	0.30	34.71	115.71	49.58	83.54	597.90	209.37	1.415	0.305
2/28/2015	0.31	33.74	110.49	49.18	83.54	598.84	210.75	1.444	0.307
3/31/2015	0.29	31.91	111.79	47.97	83.55	599.83	212.23	1.489	0.309
4/30/2015	0.28	32.05	115.83	48.47	83.56	600.79	213.69	1.499	0.310
5/31/2015	0.30	32.10	105.29	41.90	83.57	601.79	214.99	1.293	0.312
6/30/2015	0.29	32.44	111.87	37.97	83.58	602.76	216.13	1.159	0.313
7/31/2015	0.29	32.19	111.50	43.48	83.59	603.76	217.47	1.338	0.314
8/31/2015	0.32	30.88	95.26	45.55	83.60	604.72	218.89	1.459	0.316
9/30/2015	0.37	30.49	83.15	47.10	83.61	605.63	220.30	1.526	0.318
10/31/2015	0.39	31.46	81.27	47.55	83.62	606.61	221.77	1.492	0.319
11/30/2015	0.37	29.61	80.04	47.67	83.63	607.50	223.20	1.589	0.321
12/31/2015	0.39	30.70	79.64	48.13	83.64	608.45	224.70	1.547	0.323