

**SOURIS HARTNEY UNIT NO. 1
WATERFLOOD EOR PROJECT

ANNUAL REPORT FOR 2013**

March 3, 2014

Tundra Oil and Gas Partnership

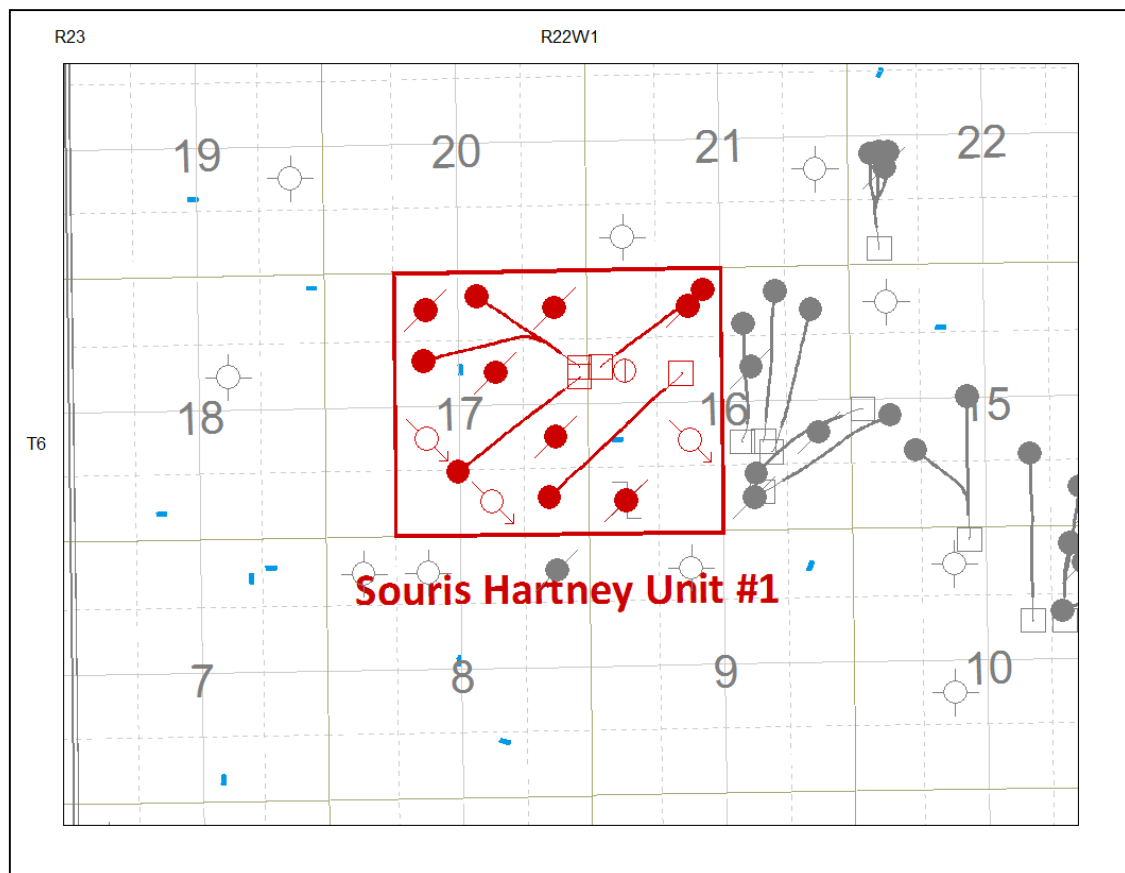
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INTRODUCTION

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 2013 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 2.31 m³/d of oil and 75.1 m³/d of water in December 2013. 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

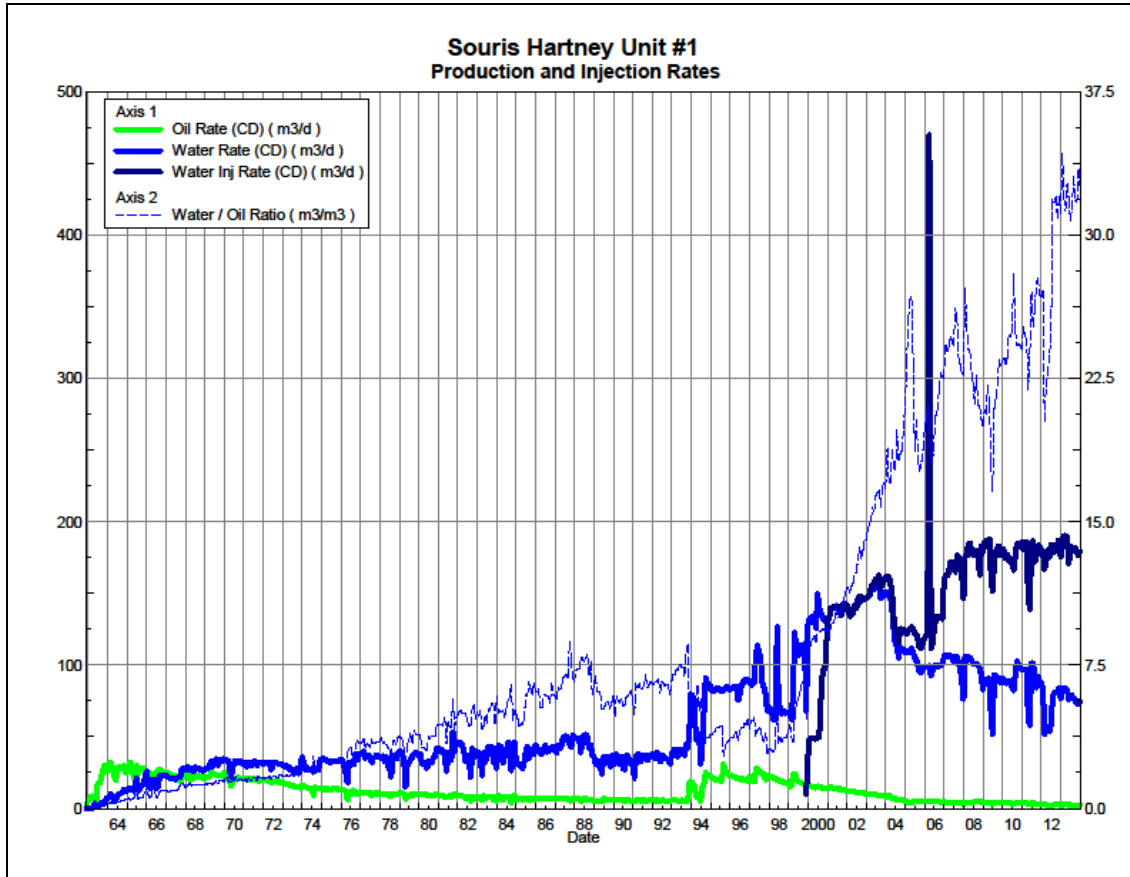
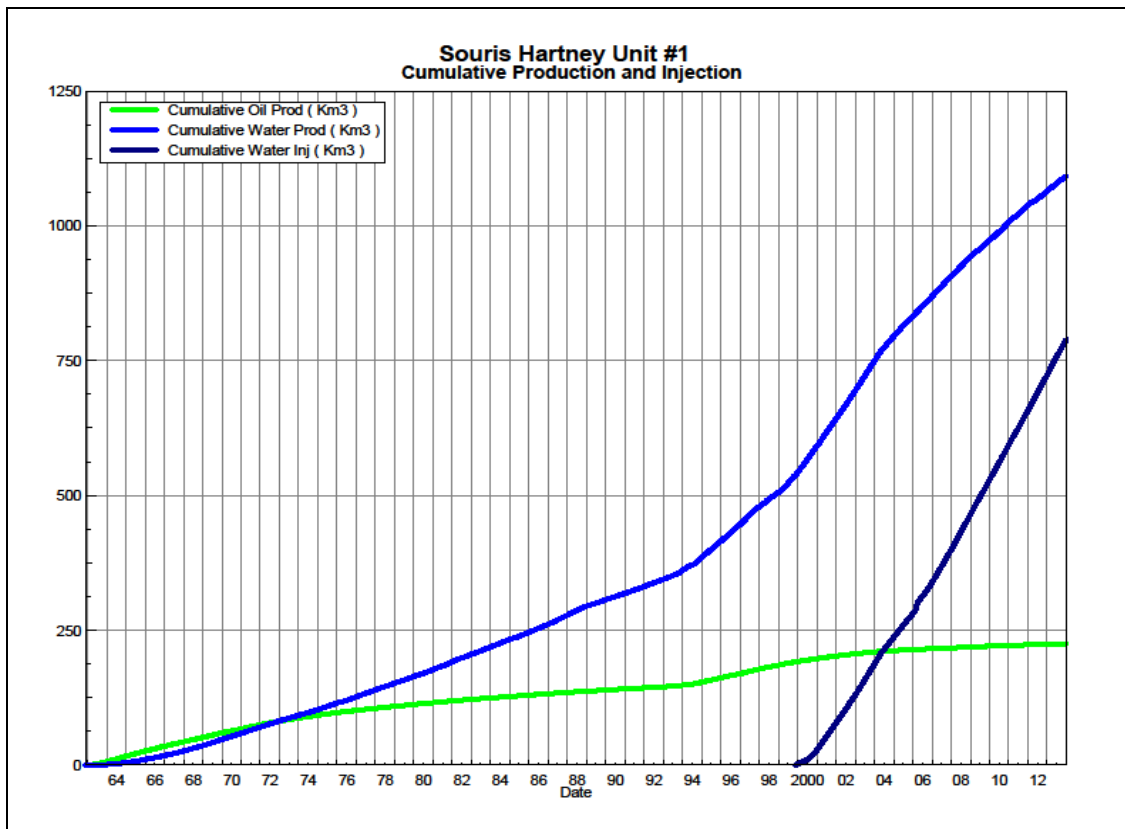


Figure 3 shows the cumulative production for Souris Hartney Unit No. 1 to the end of December 2013. Cumulative production of oil was 224.9 E³m³ and for water was 1,092.8 E³m³. The cumulative water injected was 789.7 E³m³. The cumulative volume of oil, and water produced and fluid injected for each injection 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 2013, the Souris Hartney Unit No.1 has 3 active vertical injectors and 3 injector patterns in place. Water injection started in November 1999. An overall summary for each injector pattern is presented in Appendix C.

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

Waterflood EOR Operating Strategy and Performance

Water Source and Quality

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

Injection Wellhead Pressures

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

Reservoir Pressure

No reservoir pressure measurements were taken at Souris Hartney Unit No. 1 in 2013.

Well Servicing

There was no well servicing performed within Souris Hartney Unit No. 1 during 2013.

Voidage Replacement

Cumulative voidage for the Souris Hartney Unit No. 1 was 0.594 in December 2013. 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 1.9, 2.5 and 2.2 in 2011, 2012 and 2013, respectively. Souris Hartney Unit No. 1 is on track to achieving a cumulative VRR of 1. Calculation, plots and tables of the Voidage replacement ratio on a monthly and cumulative basis for each injection pattern and for the project area are presented in Appendix D.

List of Appendices

Appendix A: Well Name and Well Status

Appendix B: Monthly Injection Wellhead Pressures Table and Plots

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

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

Plots and Tables for the following injectors:

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

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

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

Appendix A

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

Appendix B

Average Monthly Injection Pressure (kPag)

| Injection Pressure | | | | Injection Pressure | | | | Injection Pressure | | | |
|--------------------|-----------|-----------|-----------|--------------------|-----------|-----------|-----------|--------------------|-----------|-----------|-----------|
| Month | 100/02-17 | 100/06-16 | 100/06-17 | Month | 100/02-17 | 100/06-16 | 100/06-17 | Month | 100/02-17 | 100/06-16 | 100/06-17 |
| | | | | Jan-06 | 7555 | 4400 | 7548 | Jan-10 | 7800 | 6000 | 7800 |
| | | | | Feb-06 | 7657 | 4400 | 7636 | Feb-10 | 7800 | 6000 | 7800 |
| | | | | Mar-06 | 7510 | 4471 | 7510 | Mar-10 | 7800 | 6000 | 7800 |
| | | | | Apr-06 | 7553 | 4400 | 7542 | Apr-10 | 7800 | 6000 | 7800 |
| | | | | May-06 | 7740 | 4400 | 7656 | May-10 | 7800 | 6000 | 7800 |
| | | | | Jun-06 | 7789 | 5120 | 7707 | Jun-10 | 7800 | 6000 | 7800 |
| | | | | Jul-06 | 7824 | 5252 | 7776 | Jul-10 | 7800 | 6000 | 7800 |
| | | | | Aug-06 | 7574 | 5424 | 7542 | Aug-10 | 7800 | 6000 | 7800 |
| | | | | Sep-06 | 7401 | 5637 | 7353 | Sep-10 | 7800 | 6000 | 7800 |
| | | | | Oct-06 | 7571 | 5381 | 7520 | Oct-10 | 7800 | 6000 | 7800 |
| | | | | Nov-06 | 7640 | 5400 | 7615 | Nov-10 | 7800 | 6000 | 7800 |
| | | | | Dec-06 | 7638 | 5400 | 7648 | Dec-10 | 7800 | 6000 | 7800 |
| | | | | Jan-07 | 7575 | 5400 | 7600 | Jan-11 | 7645 | 5826 | 7645 |
| | | | | Feb-07 | 7522 | 5400 | 7491 | Feb-11 | 7759 | 5700 | 7759 |
| | | | | Mar-07 | 7505 | 5400 | 7422 | Mar-11 | 7750 | 5700 | 7750 |
| | | | | Apr-07 | 7626 | 5400 | 7616 | Apr-11 | 7223 | 5700 | 7223 |
| | | | | May-07 | 7490 | 5400 | 7452 | May-11 | 6561 | 5516 | 6561 |
| | | | | Jun-07 | 7592 | 5400 | 7442 | Jun-11 | 7298 | 5780 | 7298 |
| | | | | Jul-07 | 7710 | 5590 | 7656 | Jul-11 | 7741 | 5800 | 7741 |
| | | | | Aug-07 | 7657 | 5884 | 7619 | Aug-11 | 7769 | 5800 | 7769 |
| | | | | Sep-07 | 7822 | 6007 | 7855 | Sep-11 | 7800 | 5800 | 7800 |
| | | | | Oct-07 | 7618 | 6016 | 7514 | Oct-11 | 7800 | 5748 | 7800 |
| | | | | Nov-07 | 7780 | 5900 | 7785 | Nov-11 | 7800 | 5700 | 7800 |
| | | | | Dec-07 | 7460 | 5484 | 7470 | Dec-11 | 7800 | 5700 | 7800 |
| | | | | Jan-08 | 7829 | 5700 | 7889 | Jan-12 | 7800 | 5700 | 7800 |
| | | | | Feb-08 | 7772 | 5700 | 7765 | Feb-12 | 7800 | 5700 | 7800 |
| | | | | Mar-08 | 7777 | 5700 | 7781 | Mar-12 | 7800 | 5700 | 7800 |
| | | | | Apr-08 | 7824 | 5700 | 7845 | Apr-12 | 7800 | 5700 | 7800 |
| | | | | May-08 | 7865 | 5729 | 7849 | May-12 | 7800 | 5700 | 7800 |
| | | | | Jun-08 | 7913 | 5760 | 7882 | Jun-12 | 7800 | 5700 | 7800 |
| | | | | Jul-08 | 7942 | 5477 | 7935 | Jul-12 | 7800 | 5700 | 7800 |
| | | | | Aug-08 | 7911 | 5519 | 7890 | Aug-12 | 7800 | 5700 | 7800 |
| | | | | Sep-08 | 7977 | 5900 | 7983 | Sep-12 | 7670 | 5650 | 7740 |
| | | | | Oct-08 | 7664 | 6000 | 7667 | Oct-12 | 7800 | 5200 | 7800 |
| | | | | Nov-08 | 7877 | 6000 | 7919 | Nov-12 | 7627 | 5200 | 7627 |
| | | | | Dec-08 | 7435 | 6000 | 7402 | Dec-12 | 7523 | 4916 | 7523 |
| | | | | Jan-09 | 7681 | 6000 | 7679 | Jan-13 | 7394 | 4806 | 7394 |
| | | | | Feb-09 | 7800 | 6000 | 7800 | Feb-13 | 7236 | 4900 | 7236 |
| | | | | Mar-09 | 7800 | 6000 | 7800 | Mar-13 | 7139 | 4945 | 7139 |
| | | | | Apr-09 | 7800 | 6000 | 7800 | Apr-13 | 7080 | 5013 | 7080 |
| | | | | May-09 | 7800 | 6000 | 7800 | May-13 | 6810 | 4806 | 6761 |
| | | | | Jun-09 | 7800 | 6000 | 7800 | Jun-13 | 6640 | 5290 | 6390 |
| | | | | Jul-09 | 7800 | 6000 | 7800 | Jul-13 | 7465 | 4523 | 7121 |
| | | | | Aug-09 | 7800 | 6000 | 7800 | Aug-13 | 7558 | 4355 | 7258 |
| | | | | Sep-09 | 7800 | 6000 | 7800 | Sep-13 | 7663 | 4250 | 7363 |
| | | | | Oct-09 | 7800 | 6000 | 7800 | Oct-13 | 7115 | 3932 | 6906 |
| | | | | Nov-09 | 7800 | 6000 | 7800 | Nov-13 | 7222 | 3655 | 6990 |
| | | | | Dec-09 | 7800 | 6000 | 7800 | Dec-13 | 7127 | 3748 | 6895 |
| Oct-02 | 0 | 4137 | 7205 | | | | | | | | |
| Nov-02 | 0 | 276 | 858 | | | | | | | | |
| Dec-02 | 0 | 133 | 445 | | | | | | | | |
| Jan-03 | 0 | 3423 | 4927 | | | | | | | | |
| Feb-03 | 7316 | 3149 | 3761 | | | | | | | | |
| Mar-03 | 7195 | 4275 | 3701 | | | | | | | | |
| Apr-03 | 6897 | 3978 | 3550 | | | | | | | | |
| May-03 | 7086 | 3981 | 3722 | | | | | | | | |
| Jun-03 | 6936 | 4284 | 3662 | | | | | | | | |
| Jul-03 | 6968 | 4562 | 3627 | | | | | | | | |
| Aug-03 | 7435 | 5884 | 5034 | | | | | | | | |
| Sep-03 | 7396 | 5132 | 3881 | | | | | | | | |
| Oct-03 | 7502 | 4729 | 3913 | | | | | | | | |
| Nov-03 | 7534 | 5033 | 3948 | | | | | | | | |
| Dec-03 | 7480 | 5224 | 5098 | | | | | | | | |
| Jan-04 | 7516 | 5240 | 7929 | | | | | | | | |
| Feb-04 | 7516 | 5240 | 7929 | | | | | | | | |
| Mar-04 | 7516 | 5240 | 7929 | | | | | | | | |
| Apr-04 | 7522 | 5240 | 7958 | | | | | | | | |
| May-04 | 7378 | 5129 | 7844 | | | | | | | | |
| Jun-04 | 7770 | 5200 | 8205 | | | | | | | | |
| Jul-04 | 7513 | 5200 | 7958 | | | | | | | | |
| Aug-04 | 7571 | 4558 | 7953 | | | | | | | | |
| Sep-04 | 8190 | 5073 | 8590 | | | | | | | | |
| Oct-04 | 8150 | 4919 | 8563 | | | | | | | | |
| Nov-04 | 7975 | 4843 | 8296 | | | | | | | | |
| Dec-04 | 7992 | 4784 | 8060 | | | | | | | | |
| Jan-05 | 7916 | 4632 | 8061 | | | | | | | | |
| Feb-05 | 7800 | 4521 | 8012 | | | | | | | | |
| Mar-05 | 7742 | 4400 | 7904 | | | | | | | | |
| Apr-05 | 7433 | 4400 | 7390 | | | | | | | | |
| May-05 | 7969 | 4400 | 7985 | | | | | | | | |
| Jun-05 | 7806 | 4400 | 7852 | | | | | | | | |
| Jul-05 | 7858 | 4400 | 7869 | | | | | | | | |
| Aug-05 | 7803 | 4400 | 7702 | | | | | | | | |
| Sep-05 | 7600 | 4473 | 7510 | | | | | | | | |
| Oct-05 | 7598 | 4413 | 7534 | | | | | | | | |
| Nov-05 | 7760 | 4400 | 7757 | | | | | | | | |
| Dec-05 | 7687 | 4400 | 7687 | | | | | | | | |

Appendix C

Souris Hartney Unit #1 Pattern Summary as of December 2013

[illegible]

Appendix D
Rates and VRR
Plots and Tables

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

Oil Formation Vol Factor : 1.05000 m3/m3

Water Formation Vol Factor : 1.00000 m3/m3

Water / Oil Ratio : 15.55 m3/m3

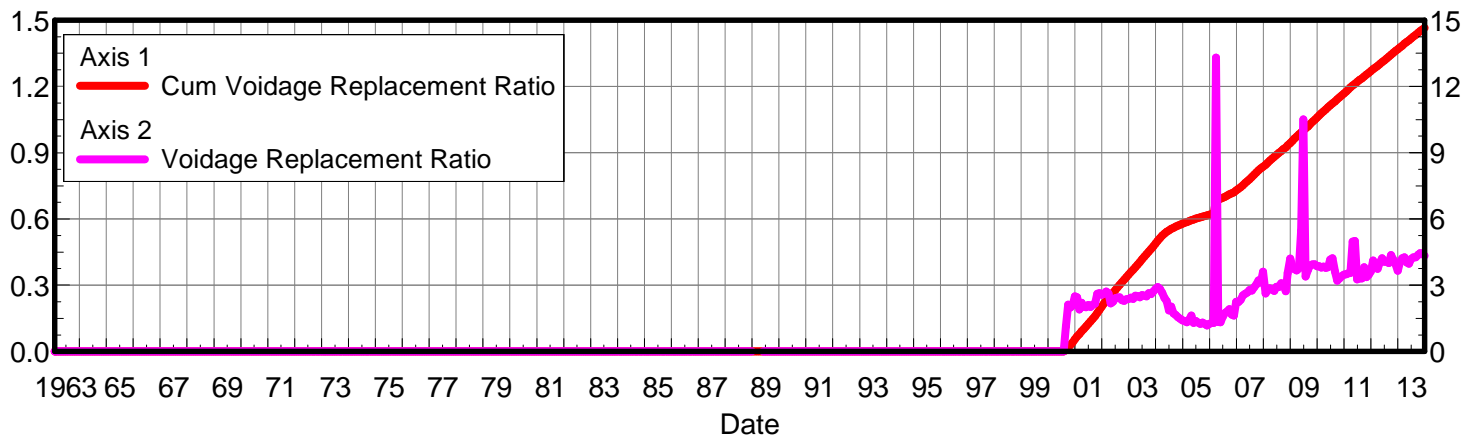
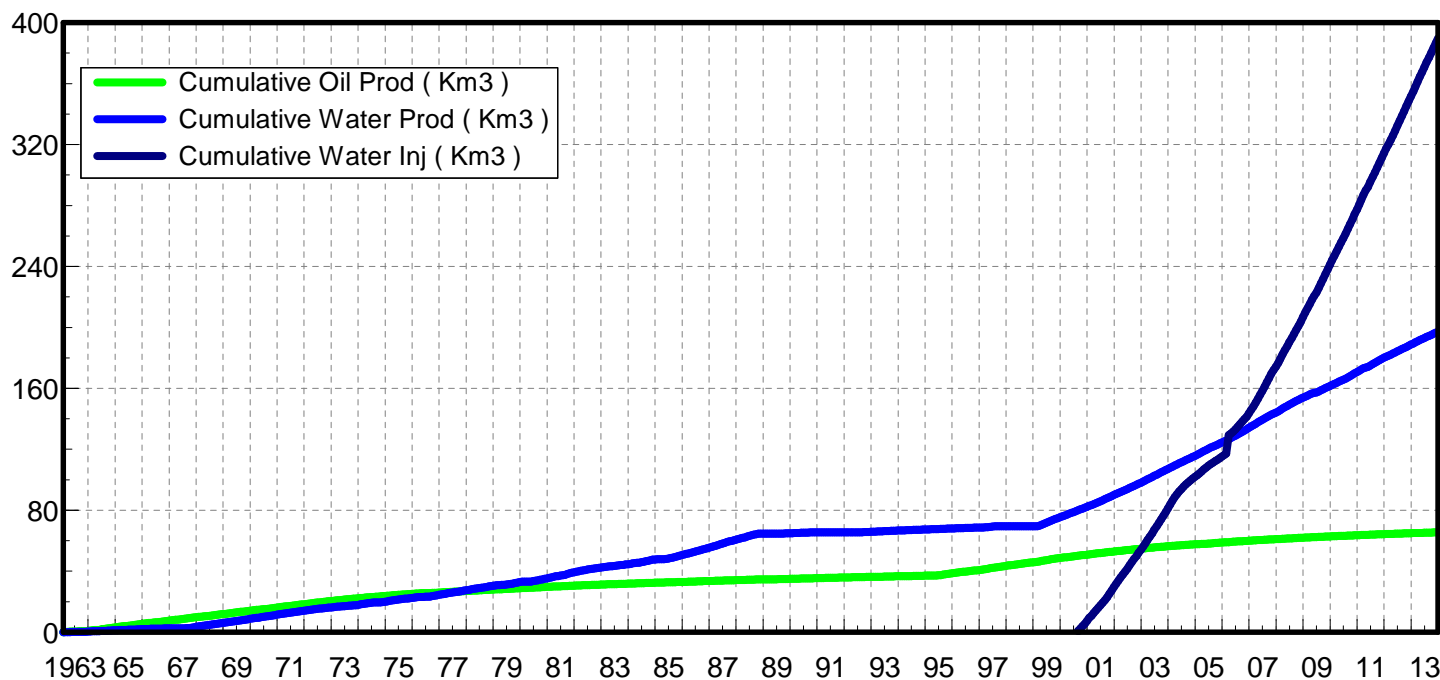
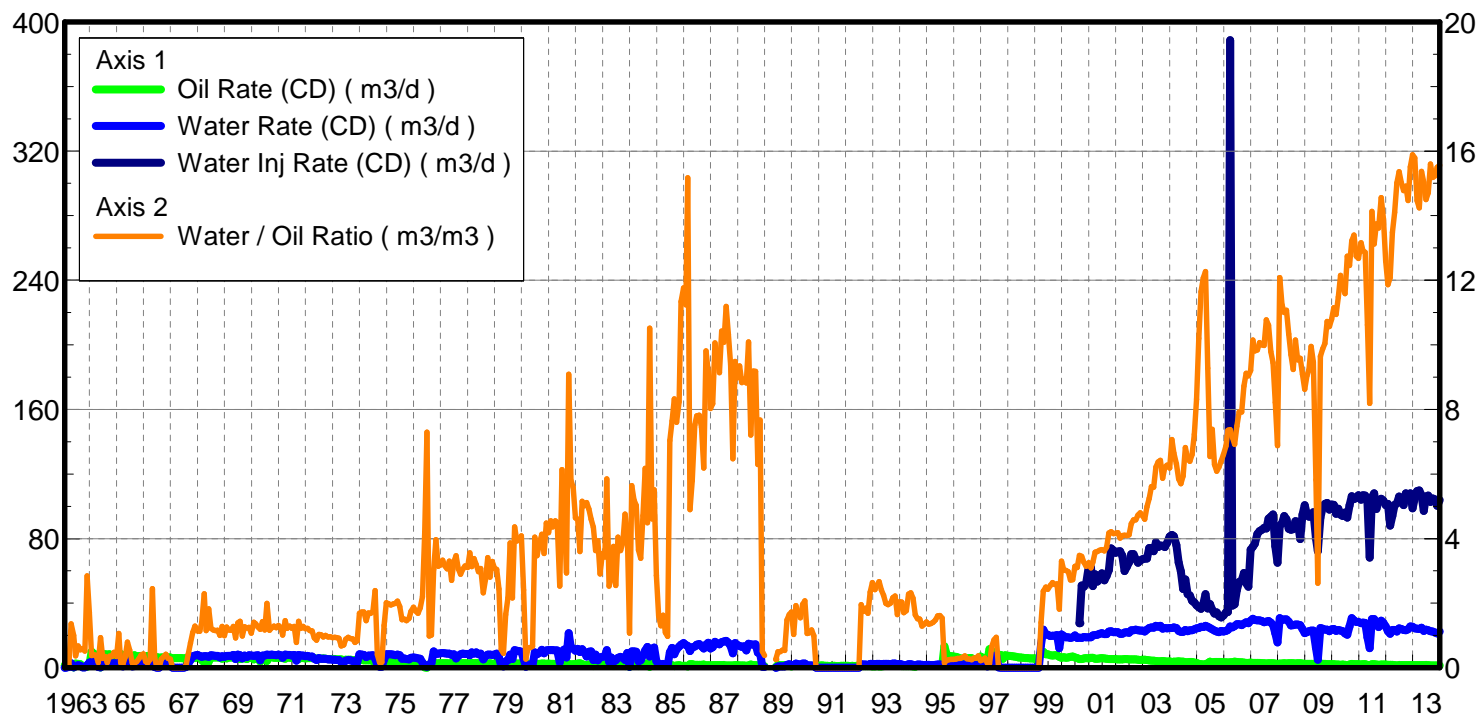
February 26, 2014

Operator: <Ambiguous>

Oil Rate (CD) : 1.44 m3/d

Water Rate (CD) : 22.43 m3/d

Water Inj Rate (CD) : 103.97 m3/d



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

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

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

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

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|-----------------------------|
| 1/31/1979 | 2.88 | 8.78 | 3.04 | | 28.03 | 30.72 | 0.00 | 0.000 | 0.000 |
| 2/28/1979 | 2.65 | 6.45 | 2.44 | | 28.11 | 30.91 | 0.00 | 0.000 | 0.000 |
| 3/31/1979 | 2.28 | 1.29 | 0.56 | | 28.18 | 30.95 | 0.00 | 0.000 | 0.000 |
| 4/30/1979 | 1.88 | 0.84 | 0.45 | | 28.23 | 30.97 | 0.00 | 0.000 | 0.000 |
| 5/31/1979 | 2.42 | 3.99 | 1.65 | | 28.31 | 31.09 | 0.00 | 0.000 | 0.000 |
| 6/30/1979 | 2.13 | 4.60 | 2.16 | | 28.37 | 31.23 | 0.00 | 0.000 | 0.000 |
| 7/31/1979 | 2.11 | 8.15 | 3.87 | | 28.44 | 31.48 | 0.00 | 0.000 | 0.000 |
| 8/31/1979 | 2.49 | 5.37 | 2.16 | | 28.52 | 31.65 | 0.00 | 0.000 | 0.000 |
| 9/30/1979 | 2.50 | 10.90 | 4.36 | | 28.59 | 31.98 | 0.00 | 0.000 | 0.000 |
| 10/31/1979 | 2.69 | 10.58 | 3.93 | | 28.67 | 32.31 | 0.00 | 0.000 | 0.000 |
| 11/30/1979 | 2.59 | 10.33 | 3.99 | | 28.75 | 32.62 | 0.00 | 0.000 | 0.000 |
| 12/31/1979 | 2.43 | 9.93 | 4.08 | | 28.83 | 32.92 | 0.00 | 0.000 | 0.000 |
| 1/31/1980 | 2.29 | 5.52 | 2.41 | | 28.90 | 33.09 | 0.00 | 0.000 | 0.000 |
| 2/29/1980 | 2.31 | 0.63 | 0.27 | | 28.97 | 33.11 | 0.00 | 0.000 | 0.000 |
| 3/31/1980 | 2.45 | 1.51 | 0.61 | | 29.04 | 33.16 | 0.00 | 0.000 | 0.000 |
| 4/30/1980 | 2.50 | 1.57 | 0.63 | | 29.12 | 33.21 | 0.00 | 0.000 | 0.000 |
| 5/31/1980 | 2.32 | 1.55 | 0.67 | | 29.19 | 33.25 | 0.00 | 0.000 | 0.000 |
| 6/30/1980 | 2.35 | 9.52 | 4.05 | | 29.26 | 33.54 | 0.00 | 0.000 | 0.000 |
| 7/31/1980 | 2.42 | 8.40 | 3.47 | | 29.33 | 33.80 | 0.00 | 0.000 | 0.000 |
| 8/31/1980 | 2.41 | 9.34 | 3.88 | | 29.41 | 34.09 | 0.00 | 0.000 | 0.000 |
| 9/30/1980 | 2.68 | 11.10 | 4.14 | | 29.49 | 34.42 | 0.00 | 0.000 | 0.000 |
| 10/31/1980 | 2.54 | 8.96 | 3.54 | | 29.57 | 34.70 | 0.00 | 0.000 | 0.000 |
| 11/30/1980 | 2.41 | 10.79 | 4.48 | | 29.64 | 35.02 | 0.00 | 0.000 | 0.000 |
| 12/31/1980 | 2.61 | 10.93 | 4.18 | | 29.72 | 35.36 | 0.00 | 0.000 | 0.000 |
| 1/31/1981 | 2.39 | 10.86 | 4.55 | | 29.80 | 35.70 | 0.00 | 0.000 | 0.000 |
| 2/28/1981 | 2.50 | 10.91 | 4.37 | | 29.87 | 36.01 | 0.00 | 0.000 | 0.000 |
| 3/31/1981 | 2.38 | 10.83 | 4.55 | | 29.94 | 36.34 | 0.00 | 0.000 | 0.000 |
| 4/30/1981 | 2.38 | 10.73 | 4.50 | | 30.01 | 36.66 | 0.00 | 0.000 | 0.000 |
| 5/31/1981 | 1.32 | 3.34 | 2.53 | | 30.05 | 36.77 | 0.00 | 0.000 | 0.000 |
| 6/30/1981 | 1.66 | 10.17 | 6.14 | | 30.10 | 37.07 | 0.00 | 0.000 | 0.000 |
| 7/31/1981 | 2.36 | 11.31 | 4.80 | | 30.17 | 37.42 | 0.00 | 0.000 | 0.000 |
| 8/31/1981 | 2.15 | 6.30 | 2.93 | | 30.24 | 37.62 | 0.00 | 0.000 | 0.000 |
| 9/30/1981 | 2.36 | 21.44 | 9.09 | | 30.31 | 38.26 | 0.00 | 0.000 | 0.000 |
| 10/31/1981 | 2.10 | 12.15 | 5.80 | | 30.38 | 38.64 | 0.00 | 0.000 | 0.000 |
| 11/30/1981 | 2.12 | 11.86 | 5.59 | | 30.44 | 38.99 | 0.00 | 0.000 | 0.000 |
| 12/31/1981 | 2.26 | 10.47 | 4.64 | | 30.51 | 39.32 | 0.00 | 0.000 | 0.000 |
| 1/31/1982 | 2.54 | 11.68 | 4.60 | | 30.59 | 39.68 | 0.00 | 0.000 | 0.000 |
| 2/28/1982 | 2.72 | 9.77 | 3.59 | | 30.67 | 39.95 | 0.00 | 0.000 | 0.000 |
| 3/31/1982 | 2.24 | 11.55 | 5.15 | | 30.73 | 40.31 | 0.00 | 0.000 | 0.000 |
| 4/30/1982 | 1.91 | 9.59 | 5.02 | | 30.79 | 40.60 | 0.00 | 0.000 | 0.000 |
| 5/31/1982 | 1.35 | 6.88 | 5.12 | | 30.83 | 40.81 | 0.00 | 0.000 | 0.000 |
| 6/30/1982 | 2.02 | 9.94 | 4.92 | | 30.89 | 41.11 | 0.00 | 0.000 | 0.000 |
| 7/31/1982 | 2.20 | 10.11 | 4.60 | | 30.96 | 41.42 | 0.00 | 0.000 | 0.000 |
| 8/31/1982 | 1.09 | 4.74 | 4.36 | | 31.00 | 41.57 | 0.00 | 0.000 | 0.000 |
| 9/30/1982 | 2.24 | 8.12 | 3.63 | | 31.06 | 41.81 | 0.00 | 0.000 | 0.000 |
| 10/31/1982 | 1.19 | 4.68 | 3.93 | | 31.10 | 41.96 | 0.00 | 0.000 | 0.000 |
| 11/30/1982 | 2.18 | 6.33 | 2.90 | | 31.17 | 42.15 | 0.00 | 0.000 | 0.000 |
| 12/31/1982 | 1.91 | 6.77 | 3.54 | | 31.23 | 42.36 | 0.00 | 0.000 | 0.000 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemnt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|------------------------------|
| 1/31/1983 | 2.02 | 6.92 | 3.43 | | 31.29 | 42.57 | 0.00 | 0.000 | 0.000 |
| 2/28/1983 | 1.88 | 10.99 | 5.85 | | 31.34 | 42.88 | 0.00 | 0.000 | 0.000 |
| 3/31/1983 | 1.54 | 3.88 | 2.52 | | 31.39 | 43.00 | 0.00 | 0.000 | 0.000 |
| 4/30/1983 | 2.34 | 6.47 | 2.76 | | 31.46 | 43.20 | 0.00 | 0.000 | 0.000 |
| 5/31/1983 | 1.02 | 3.85 | 3.76 | | 31.49 | 43.32 | 0.00 | 0.000 | 0.000 |
| 6/30/1983 | 1.77 | 4.52 | 2.55 | | 31.54 | 43.45 | 0.00 | 0.000 | 0.000 |
| 7/31/1983 | 1.55 | 6.26 | 4.05 | | 31.59 | 43.65 | 0.00 | 0.000 | 0.000 |
| 8/31/1983 | 1.87 | 6.79 | 3.63 | | 31.65 | 43.86 | 0.00 | 0.000 | 0.000 |
| 9/30/1983 | 1.61 | 6.23 | 3.86 | | 31.70 | 44.04 | 0.00 | 0.000 | 0.000 |
| 10/31/1983 | 1.02 | 4.84 | 4.76 | | 31.73 | 44.19 | 0.00 | 0.000 | 0.000 |
| 11/30/1983 | 2.17 | 9.22 | 4.24 | | 31.79 | 44.47 | 0.00 | 0.000 | 0.000 |
| 12/31/1983 | 0.57 | 0.61 | 1.07 | | 31.81 | 44.49 | 0.00 | 0.000 | 0.000 |
| 1/31/1984 | 1.79 | 10.10 | 5.64 | | 31.87 | 44.80 | 0.00 | 0.000 | 0.000 |
| 2/29/1984 | 1.94 | 10.09 | 5.19 | | 31.92 | 45.09 | 0.00 | 0.000 | 0.000 |
| 3/31/1984 | 1.96 | 9.86 | 5.03 | | 31.98 | 45.40 | 0.00 | 0.000 | 0.000 |
| 4/30/1984 | 1.09 | 3.99 | 3.65 | | 32.02 | 45.52 | 0.00 | 0.000 | 0.000 |
| 5/31/1984 | 1.36 | 4.61 | 3.39 | | 32.06 | 45.66 | 0.00 | 0.000 | 0.000 |
| 6/30/1984 | 1.65 | 7.75 | 4.71 | | 32.11 | 45.89 | 0.00 | 0.000 | 0.000 |
| 7/31/1984 | 1.74 | 10.74 | 6.18 | | 32.16 | 46.23 | 0.00 | 0.000 | 0.000 |
| 8/31/1984 | 2.89 | 12.98 | 4.49 | | 32.25 | 46.63 | 0.00 | 0.000 | 0.000 |
| 9/30/1984 | 0.66 | 6.94 | 10.52 | | 32.27 | 46.84 | 0.00 | 0.000 | 0.000 |
| 10/31/1984 | 2.53 | 11.66 | 4.61 | | 32.35 | 47.20 | 0.00 | 0.000 | 0.000 |
| 11/30/1984 | 2.28 | 12.56 | 5.51 | | 32.42 | 47.58 | 0.00 | 0.000 | 0.000 |
| 12/31/1984 | 1.38 | 3.95 | 2.86 | | 32.46 | 47.70 | 0.00 | 0.000 | 0.000 |
| 1/31/1985 | 1.55 | 2.48 | 1.60 | | 32.51 | 47.78 | 0.00 | 0.000 | 0.000 |
| 2/28/1985 | 1.49 | 1.94 | 1.30 | | 32.55 | 47.83 | 0.00 | 0.000 | 0.000 |
| 3/31/1985 | 1.53 | 2.48 | 1.62 | | 32.60 | 47.91 | 0.00 | 0.000 | 0.000 |
| 4/30/1985 | 1.30 | 1.42 | 1.09 | | 32.64 | 47.95 | 0.00 | 0.000 | 0.000 |
| 5/31/1985 | 1.20 | 1.16 | 0.97 | | 32.68 | 47.99 | 0.00 | 0.000 | 0.000 |
| 6/30/1985 | 1.35 | 9.48 | 7.04 | | 32.72 | 48.27 | 0.00 | 0.000 | 0.000 |
| 7/31/1985 | 1.62 | 12.40 | 7.64 | | 32.77 | 48.65 | 0.00 | 0.000 | 0.000 |
| 8/31/1985 | 0.99 | 8.27 | 8.32 | | 32.80 | 48.91 | 0.00 | 0.000 | 0.000 |
| 9/30/1985 | 1.50 | 11.42 | 7.60 | | 32.84 | 49.25 | 0.00 | 0.000 | 0.000 |
| 10/31/1985 | 1.58 | 13.05 | 8.24 | | 32.89 | 49.66 | 0.00 | 0.000 | 0.000 |
| 11/30/1985 | 1.27 | 14.37 | 11.34 | | 32.93 | 50.09 | 0.00 | 0.000 | 0.000 |
| 12/31/1985 | 1.30 | 15.33 | 11.76 | | 32.97 | 50.56 | 0.00 | 0.000 | 0.000 |
| 1/31/1986 | 1.25 | 14.10 | 11.24 | | 33.01 | 51.00 | 0.00 | 0.000 | 0.000 |
| 2/28/1986 | 0.90 | 13.60 | 15.17 | | 33.03 | 51.38 | 0.00 | 0.000 | 0.000 |
| 3/31/1986 | 2.12 | 10.39 | 4.90 | | 33.10 | 51.70 | 0.00 | 0.000 | 0.000 |
| 4/30/1986 | 2.19 | 12.72 | 5.80 | | 33.16 | 52.09 | 0.00 | 0.000 | 0.000 |
| 5/31/1986 | 1.75 | 13.16 | 7.53 | | 33.22 | 52.49 | 0.00 | 0.000 | 0.000 |
| 6/30/1986 | 1.83 | 14.25 | 7.80 | | 33.27 | 52.92 | 0.00 | 0.000 | 0.000 |
| 7/31/1986 | 1.88 | 14.74 | 7.82 | | 33.33 | 53.38 | 0.00 | 0.000 | 0.000 |
| 8/31/1986 | 1.79 | 13.30 | 7.44 | | 33.39 | 53.79 | 0.00 | 0.000 | 0.000 |
| 9/30/1986 | 1.93 | 11.92 | 6.19 | | 33.45 | 54.15 | 0.00 | 0.000 | 0.000 |
| 10/31/1986 | 1.45 | 14.24 | 9.81 | | 33.49 | 54.59 | 0.00 | 0.000 | 0.000 |
| 11/30/1986 | 1.68 | 15.41 | 9.16 | | 33.54 | 55.05 | 0.00 | 0.000 | 0.000 |
| 12/31/1986 | 1.48 | 11.92 | 8.03 | | 33.59 | 55.42 | 0.00 | 0.000 | 0.000 |

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

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

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|-----------------------------|
| 5/31/1995 | 1.24 | 2.00 | 1.61 | | 37.26 | 67.64 | 0.00 | 0.000 | 0.000 |
| 6/30/1995 | 1.21 | 1.97 | 1.62 | | 37.29 | 67.70 | 0.00 | 0.000 | 0.000 |
| 7/31/1995 | 1.14 | 1.75 | 1.54 | | 37.33 | 67.75 | 0.00 | 0.000 | 0.000 |
| 8/31/1995 | 13.24 | 1.94 | 0.15 | | 37.74 | 67.81 | 0.00 | 0.000 | 0.000 |
| 9/30/1995 | 8.37 | 1.91 | 0.23 | | 37.99 | 67.87 | 0.00 | 0.000 | 0.000 |
| 10/31/1995 | 7.45 | 1.89 | 0.25 | | 38.22 | 67.93 | 0.00 | 0.000 | 0.000 |
| 11/30/1995 | 7.07 | 1.80 | 0.25 | | 38.43 | 67.98 | 0.00 | 0.000 | 0.000 |
| 12/31/1995 | 6.99 | 1.82 | 0.26 | | 38.65 | 68.04 | 0.00 | 0.000 | 0.000 |
| 1/31/1996 | 6.82 | 1.83 | 0.27 | | 38.86 | 68.10 | 0.00 | 0.000 | 0.000 |
| 2/29/1996 | 6.42 | 1.84 | 0.29 | | 39.05 | 68.15 | 0.00 | 0.000 | 0.000 |
| 3/31/1996 | 5.86 | 1.68 | 0.29 | | 39.23 | 68.20 | 0.00 | 0.000 | 0.000 |
| 4/30/1996 | 5.57 | 1.80 | 0.32 | | 39.39 | 68.26 | 0.00 | 0.000 | 0.000 |
| 5/31/1996 | 5.88 | 2.19 | 0.37 | | 39.58 | 68.32 | 0.00 | 0.000 | 0.000 |
| 6/30/1996 | 5.76 | 1.60 | 0.28 | | 39.75 | 68.37 | 0.00 | 0.000 | 0.000 |
| 7/31/1996 | 5.92 | 1.60 | 0.27 | | 39.93 | 68.42 | 0.00 | 0.000 | 0.000 |
| 8/31/1996 | 5.97 | 1.50 | 0.25 | | 40.12 | 68.47 | 0.00 | 0.000 | 0.000 |
| 9/30/1996 | 5.08 | 1.53 | 0.30 | | 40.27 | 68.51 | 0.00 | 0.000 | 0.000 |
| 10/31/1996 | 5.35 | 1.58 | 0.30 | | 40.44 | 68.56 | 0.00 | 0.000 | 0.000 |
| 11/30/1996 | 4.10 | 1.51 | 0.37 | | 40.56 | 68.61 | 0.00 | 0.000 | 0.000 |
| 12/31/1996 | 6.99 | 1.55 | 0.22 | | 40.78 | 68.66 | 0.00 | 0.000 | 0.000 |
| 1/31/1997 | 6.20 | 1.52 | 0.24 | | 40.97 | 68.70 | 0.00 | 0.000 | 0.000 |
| 2/28/1997 | 5.20 | 1.54 | 0.30 | | 41.11 | 68.75 | 0.00 | 0.000 | 0.000 |
| 3/31/1997 | 4.84 | 0.75 | 0.15 | | 41.26 | 68.77 | 0.00 | 0.000 | 0.000 |
| 4/30/1997 | 11.47 | 1.46 | 0.13 | | 41.61 | 68.81 | 0.00 | 0.000 | 0.000 |
| 5/31/1997 | 10.30 | 6.74 | 0.65 | | 41.93 | 69.02 | 0.00 | 0.000 | 0.000 |
| 6/30/1997 | 8.60 | 7.41 | 0.86 | | 42.18 | 69.24 | 0.00 | 0.000 | 0.000 |
| 7/31/1997 | 8.02 | 7.54 | 0.94 | | 42.43 | 69.48 | 0.00 | 0.000 | 0.000 |
| 8/31/1997 | 7.80 | 0.24 | 0.03 | | 42.68 | 69.49 | 0.00 | 0.000 | 0.000 |
| 9/30/1997 | 7.96 | 0.00 | 0.00 | | 42.91 | 69.49 | 0.00 | 0.000 | 0.000 |
| 10/31/1997 | 5.52 | 0.00 | 0.00 | | 43.09 | 69.49 | 0.00 | 0.000 | 0.000 |
| 11/30/1997 | 7.77 | 0.00 | 0.00 | | 43.32 | 69.49 | 0.00 | 0.000 | 0.000 |
| 12/31/1997 | 7.37 | 0.00 | 0.00 | | 43.55 | 69.49 | 0.00 | 0.000 | 0.000 |
| 1/31/1998 | 7.41 | 0.00 | 0.00 | | 43.78 | 69.49 | 0.00 | 0.000 | 0.000 |
| 2/28/1998 | 7.08 | 0.00 | 0.00 | | 43.97 | 69.49 | 0.00 | 0.000 | 0.000 |
| 3/31/1998 | 6.93 | 0.00 | 0.00 | | 44.19 | 69.49 | 0.00 | 0.000 | 0.000 |
| 4/30/1998 | 6.78 | 0.00 | 0.00 | | 44.39 | 69.49 | 0.00 | 0.000 | 0.000 |
| 5/31/1998 | 6.46 | 0.00 | 0.00 | | 44.59 | 69.49 | 0.00 | 0.000 | 0.000 |
| 6/30/1998 | 6.31 | 0.00 | 0.00 | | 44.78 | 69.49 | 0.00 | 0.000 | 0.000 |
| 7/31/1998 | 6.19 | 0.00 | 0.00 | | 44.97 | 69.49 | 0.00 | 0.000 | 0.000 |
| 8/31/1998 | 5.96 | 0.00 | 0.00 | | 45.16 | 69.49 | 0.00 | 0.000 | 0.000 |
| 9/30/1998 | 5.90 | 0.00 | 0.00 | | 45.34 | 69.49 | 0.00 | 0.000 | 0.000 |
| 10/31/1998 | 5.81 | 0.00 | 0.00 | | 45.52 | 69.49 | 0.00 | 0.000 | 0.000 |
| 11/30/1998 | 5.77 | 0.00 | 0.00 | | 45.69 | 69.49 | 0.00 | 0.000 | 0.000 |
| 12/31/1998 | 5.84 | 0.00 | 0.00 | | 45.87 | 69.49 | 0.00 | 0.000 | 0.000 |
| 1/31/1999 | 4.63 | 0.00 | 0.00 | | 46.01 | 69.49 | 0.00 | 0.000 | 0.000 |
| 2/28/1999 | 5.79 | 0.00 | 0.00 | | 46.18 | 69.49 | 0.00 | 0.000 | 0.000 |
| 3/31/1999 | 10.21 | 14.25 | 1.40 | | 46.49 | 69.93 | 0.00 | 0.000 | 0.000 |
| 4/30/1999 | 9.95 | 23.63 | 2.37 | | 46.79 | 70.64 | 0.00 | 0.000 | 0.000 |

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

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|-----------------------------|
| 5/31/2003 | 4.44 | 24.83 | 5.60 | 72.23 | 55.52 | 101.80 | 64.88 | 2.450 | 0.405 |
| 6/30/2003 | 4.18 | 25.99 | 6.21 | 77.70 | 55.65 | 102.58 | 67.21 | 2.557 | 0.417 |
| 7/31/2003 | 3.99 | 25.42 | 6.38 | 74.77 | 55.77 | 103.36 | 69.53 | 2.526 | 0.429 |
| 8/31/2003 | 4.05 | 25.98 | 6.42 | 75.68 | 55.90 | 104.17 | 71.88 | 2.503 | 0.441 |
| 9/30/2003 | 4.14 | 24.29 | 5.87 | 75.53 | 56.02 | 104.90 | 74.14 | 2.638 | 0.453 |
| 10/31/2003 | 3.95 | 24.57 | 6.21 | 74.77 | 56.15 | 105.66 | 76.46 | 2.604 | 0.464 |
| 11/30/2003 | 3.90 | 24.44 | 6.27 | 77.30 | 56.26 | 106.39 | 78.78 | 2.709 | 0.476 |
| 12/31/2003 | 3.97 | 24.55 | 6.18 | 81.23 | 56.39 | 107.15 | 81.30 | 2.828 | 0.489 |
| 1/31/2004 | 3.47 | 24.51 | 7.07 | 82.23 | 56.49 | 107.91 | 83.85 | 2.921 | 0.501 |
| 2/29/2004 | 3.75 | 24.94 | 6.65 | 81.55 | 56.60 | 108.64 | 86.21 | 2.824 | 0.513 |
| 3/31/2004 | 3.88 | 24.53 | 6.32 | 76.03 | 56.72 | 109.40 | 88.57 | 2.658 | 0.524 |
| 4/30/2004 | 3.92 | 22.89 | 5.84 | 65.30 | 56.84 | 110.08 | 90.53 | 2.418 | 0.533 |
| 5/31/2004 | 3.89 | 22.16 | 5.70 | 59.68 | 56.96 | 110.77 | 92.38 | 2.274 | 0.542 |
| 6/30/2004 | 3.74 | 22.19 | 5.93 | 48.70 | 57.07 | 111.44 | 93.84 | 1.865 | 0.548 |
| 7/31/2004 | 3.42 | 23.34 | 6.82 | 54.74 | 57.18 | 112.16 | 95.54 | 2.033 | 0.555 |
| 8/31/2004 | 3.48 | 22.59 | 6.49 | 45.55 | 57.29 | 112.86 | 96.95 | 1.736 | 0.560 |
| 9/30/2004 | 3.64 | 23.31 | 6.40 | 44.87 | 57.40 | 113.56 | 98.29 | 1.653 | 0.565 |
| 10/31/2004 | 3.51 | 23.14 | 6.60 | 41.55 | 57.50 | 114.28 | 99.58 | 1.549 | 0.570 |
| 11/30/2004 | 3.30 | 23.85 | 7.22 | 40.47 | 57.60 | 114.99 | 100.80 | 1.481 | 0.574 |
| 12/31/2004 | 2.94 | 24.45 | 8.32 | 38.77 | 57.69 | 115.75 | 102.00 | 1.408 | 0.578 |
| 1/31/2005 | 2.42 | 24.70 | 10.20 | 37.55 | 57.77 | 116.52 | 103.16 | 1.378 | 0.582 |
| 2/28/2005 | 2.19 | 25.47 | 11.64 | 36.57 | 57.83 | 117.23 | 104.19 | 1.317 | 0.585 |
| 3/31/2005 | 2.09 | 25.26 | 12.07 | 39.42 | 57.90 | 118.01 | 105.41 | 1.436 | 0.590 |
| 4/30/2005 | 2.11 | 25.93 | 12.27 | 45.60 | 57.96 | 118.79 | 106.78 | 1.620 | 0.594 |
| 5/31/2005 | 2.74 | 25.42 | 9.28 | 36.71 | 58.04 | 119.58 | 107.91 | 1.297 | 0.598 |
| 6/30/2005 | 3.77 | 24.63 | 6.54 | 39.53 | 58.16 | 120.32 | 109.10 | 1.383 | 0.601 |
| 7/31/2005 | 3.24 | 23.90 | 7.38 | 35.84 | 58.26 | 121.06 | 110.21 | 1.313 | 0.605 |
| 8/31/2005 | 3.65 | 22.96 | 6.30 | 33.55 | 58.37 | 121.77 | 111.25 | 1.252 | 0.608 |
| 9/30/2005 | 3.67 | 22.34 | 6.08 | 34.27 | 58.48 | 122.44 | 112.28 | 1.308 | 0.611 |
| 10/31/2005 | 3.55 | 22.04 | 6.21 | 32.03 | 58.59 | 123.12 | 113.27 | 1.243 | 0.613 |
| 11/30/2005 | 3.56 | 22.77 | 6.40 | 31.20 | 58.70 | 123.81 | 114.21 | 1.177 | 0.616 |
| 12/31/2005 | 3.39 | 22.40 | 6.60 | 32.39 | 58.80 | 124.50 | 115.21 | 1.248 | 0.619 |
| 1/31/2006 | 3.33 | 22.90 | 6.87 | 34.23 | 58.91 | 125.21 | 116.27 | 1.297 | 0.622 |
| 2/28/2006 | 3.17 | 23.33 | 7.36 | 34.57 | 58.99 | 125.86 | 117.24 | 1.297 | 0.624 |
| 3/31/2006 | 3.47 | 25.57 | 7.38 | 388.71 | 59.10 | 126.66 | 129.29 | 13.307 | 0.685 |
| 4/30/2006 | 3.50 | 24.99 | 7.14 | 38.50 | 59.21 | 127.41 | 130.45 | 1.343 | 0.688 |
| 5/31/2006 | 3.74 | 25.86 | 6.92 | 39.35 | 59.32 | 128.21 | 131.67 | 1.321 | 0.691 |
| 6/30/2006 | 3.61 | 27.02 | 7.48 | 48.13 | 59.43 | 129.02 | 133.11 | 1.562 | 0.695 |
| 7/31/2006 | 3.40 | 26.89 | 7.92 | 53.23 | 59.54 | 129.85 | 134.76 | 1.747 | 0.701 |
| 8/31/2006 | 3.32 | 26.32 | 7.92 | 53.94 | 59.64 | 130.67 | 136.43 | 1.809 | 0.706 |
| 9/30/2006 | 3.13 | 27.36 | 8.73 | 58.77 | 59.73 | 131.49 | 138.19 | 1.917 | 0.712 |
| 10/31/2006 | 3.08 | 28.09 | 9.11 | 52.26 | 59.83 | 132.36 | 139.82 | 1.668 | 0.716 |
| 11/30/2006 | 3.06 | 27.61 | 9.04 | 50.20 | 59.92 | 133.19 | 141.32 | 1.629 | 0.721 |
| 12/31/2006 | 3.16 | 29.14 | 9.21 | 73.13 | 60.02 | 134.09 | 143.59 | 2.253 | 0.728 |
| 1/31/2007 | 2.99 | 30.34 | 10.15 | 75.00 | 60.11 | 135.03 | 145.91 | 2.240 | 0.736 |
| 2/28/2007 | 3.02 | 29.64 | 9.82 | 76.68 | 60.20 | 135.86 | 148.06 | 2.337 | 0.744 |
| 3/31/2007 | 2.99 | 29.40 | 9.85 | 82.81 | 60.29 | 136.77 | 150.63 | 2.546 | 0.753 |
| 4/30/2007 | 2.92 | 29.36 | 10.07 | 84.57 | 60.38 | 137.65 | 153.16 | 2.608 | 0.762 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|-----------------------------|
| 5/31/2007 | 2.89 | 28.95 | 10.01 | 85.52 | 60.47 | 138.55 | 155.82 | 2.673 | 0.771 |
| 6/30/2007 | 2.82 | 28.14 | 9.98 | 86.67 | 60.55 | 139.40 | 158.41 | 2.787 | 0.780 |
| 7/31/2007 | 2.65 | 28.56 | 10.77 | 86.26 | 60.63 | 140.28 | 161.09 | 2.752 | 0.790 |
| 8/31/2007 | 2.74 | 29.01 | 10.60 | 92.42 | 60.72 | 141.18 | 163.95 | 2.899 | 0.800 |
| 9/30/2007 | 2.85 | 27.90 | 9.79 | 93.67 | 60.80 | 142.02 | 166.76 | 3.032 | 0.810 |
| 10/31/2007 | 2.81 | 26.53 | 9.45 | 94.87 | 60.89 | 142.84 | 169.71 | 3.218 | 0.821 |
| 11/30/2007 | 2.61 | 21.42 | 8.22 | 75.37 | 60.97 | 143.48 | 171.97 | 3.120 | 0.829 |
| 12/31/2007 | 2.27 | 15.61 | 6.88 | 65.06 | 61.04 | 143.97 | 173.98 | 3.616 | 0.836 |
| 1/31/2008 | 2.55 | 30.82 | 12.09 | 88.03 | 61.12 | 144.92 | 176.71 | 2.628 | 0.845 |
| 2/29/2008 | 2.62 | 29.48 | 11.23 | 89.41 | 61.19 | 145.78 | 179.31 | 2.774 | 0.854 |
| 3/31/2008 | 2.73 | 30.00 | 11.00 | 94.00 | 61.28 | 146.71 | 182.22 | 2.860 | 0.863 |
| 4/30/2008 | 2.71 | 29.97 | 11.07 | 92.00 | 61.36 | 147.61 | 184.98 | 2.804 | 0.872 |
| 5/31/2008 | 2.75 | 28.48 | 10.34 | 86.03 | 61.44 | 148.49 | 187.65 | 2.742 | 0.881 |
| 6/30/2008 | 2.71 | 26.29 | 9.69 | 85.50 | 61.53 | 149.28 | 190.21 | 2.935 | 0.889 |
| 7/31/2008 | 2.86 | 26.45 | 9.24 | 85.77 | 61.61 | 150.10 | 192.87 | 2.912 | 0.898 |
| 8/31/2008 | 2.63 | 26.69 | 10.15 | 90.90 | 61.70 | 150.92 | 195.69 | 3.086 | 0.907 |
| 9/30/2008 | 2.80 | 26.70 | 9.54 | 90.33 | 61.78 | 151.73 | 198.40 | 3.047 | 0.916 |
| 10/31/2008 | 2.75 | 26.37 | 9.58 | 79.68 | 61.87 | 152.54 | 200.87 | 2.723 | 0.924 |
| 11/30/2008 | 2.63 | 23.94 | 9.08 | 94.87 | 61.94 | 153.26 | 203.71 | 3.553 | 0.933 |
| 12/31/2008 | 2.48 | 21.35 | 8.63 | 100.65 | 62.02 | 153.92 | 206.83 | 4.202 | 0.944 |
| 1/31/2009 | 2.44 | 22.06 | 9.05 | 94.90 | 62.10 | 154.61 | 209.78 | 3.855 | 0.954 |
| 2/28/2009 | 2.44 | 22.54 | 9.22 | 93.57 | 62.17 | 155.24 | 212.40 | 3.727 | 0.963 |
| 3/31/2009 | 2.32 | 23.11 | 9.95 | 93.58 | 62.24 | 155.95 | 215.30 | 3.663 | 0.973 |
| 4/30/2009 | 2.44 | 23.06 | 9.47 | 96.40 | 62.31 | 156.65 | 218.19 | 3.763 | 0.983 |
| 5/31/2009 | 2.14 | 12.45 | 5.82 | 80.26 | 62.38 | 157.03 | 220.68 | 5.463 | 0.992 |
| 6/30/2009 | 1.87 | 4.90 | 2.62 | 72.10 | 62.43 | 157.18 | 222.84 | 10.507 | 1.000 |
| 7/31/2009 | 2.56 | 24.66 | 9.65 | 93.00 | 62.51 | 157.94 | 225.72 | 3.401 | 1.010 |
| 8/31/2009 | 2.45 | 24.15 | 9.87 | 99.03 | 62.59 | 158.69 | 228.79 | 3.706 | 1.020 |
| 9/30/2009 | 2.35 | 23.56 | 10.04 | 101.43 | 62.66 | 159.40 | 231.84 | 3.897 | 1.030 |
| 10/31/2009 | 2.20 | 23.60 | 10.73 | 102.19 | 62.73 | 160.13 | 235.00 | 3.945 | 1.040 |
| 11/30/2009 | 2.14 | 22.58 | 10.57 | 97.90 | 62.79 | 160.81 | 237.94 | 3.943 | 1.049 |
| 12/31/2009 | 2.21 | 23.88 | 10.79 | 101.10 | 62.86 | 161.55 | 241.07 | 3.858 | 1.059 |
| 1/31/2010 | 2.15 | 23.94 | 11.15 | 101.00 | 62.93 | 162.29 | 244.21 | 3.856 | 1.069 |
| 2/28/2010 | 2.09 | 22.89 | 10.94 | 95.39 | 62.98 | 162.93 | 246.88 | 3.802 | 1.078 |
| 3/31/2010 | 2.04 | 23.45 | 11.48 | 98.48 | 63.05 | 163.66 | 249.93 | 3.847 | 1.087 |
| 4/30/2010 | 1.90 | 23.07 | 12.15 | 94.80 | 63.10 | 164.35 | 252.77 | 3.783 | 1.096 |
| 5/31/2010 | 1.93 | 22.64 | 11.75 | 93.94 | 63.16 | 165.05 | 255.69 | 3.809 | 1.105 |
| 6/30/2010 | 1.83 | 21.19 | 11.59 | 96.17 | 63.22 | 165.69 | 258.57 | 4.162 | 1.114 |
| 7/31/2010 | 1.60 | 20.36 | 12.75 | 92.94 | 63.27 | 166.32 | 261.45 | 4.218 | 1.123 |
| 8/31/2010 | 2.06 | 25.61 | 12.45 | 100.48 | 63.33 | 167.11 | 264.57 | 3.618 | 1.133 |
| 9/30/2010 | 2.33 | 30.73 | 13.22 | 106.27 | 63.40 | 168.04 | 267.76 | 3.204 | 1.141 |
| 10/31/2010 | 2.18 | 29.27 | 13.40 | 104.52 | 63.47 | 168.94 | 271.00 | 3.311 | 1.150 |
| 11/30/2010 | 2.23 | 28.45 | 12.75 | 105.03 | 63.54 | 169.80 | 274.15 | 3.411 | 1.159 |
| 12/31/2010 | 2.23 | 28.31 | 12.67 | 106.77 | 63.61 | 170.67 | 277.46 | 3.483 | 1.168 |
| 1/31/2011 | 2.09 | 27.54 | 13.16 | 104.16 | 63.67 | 171.53 | 280.69 | 3.503 | 1.177 |
| 2/28/2011 | 2.16 | 27.90 | 12.91 | 106.93 | 63.73 | 172.31 | 283.68 | 3.545 | 1.186 |
| 3/31/2011 | 2.16 | 27.75 | 12.86 | 106.68 | 63.80 | 173.17 | 286.99 | 3.554 | 1.195 |
| 4/30/2011 | 1.77 | 18.79 | 10.62 | 102.63 | 63.85 | 173.73 | 290.07 | 4.970 | 1.205 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemnt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|------------------------------|
| 5/31/2011 | 1.48 | 12.10 | 8.18 | 68.29 | 63.90 | 174.11 | 292.18 | 5.001 | 1.211 |
| 6/30/2011 | 2.13 | 30.14 | 14.14 | 105.70 | 63.96 | 175.01 | 295.35 | 3.265 | 1.220 |
| 7/31/2011 | 2.30 | 30.23 | 13.13 | 108.13 | 64.03 | 175.95 | 298.70 | 3.312 | 1.228 |
| 8/31/2011 | 2.01 | 27.60 | 13.75 | 98.26 | 64.09 | 176.80 | 301.75 | 3.307 | 1.236 |
| 9/30/2011 | 1.84 | 25.11 | 13.62 | 103.00 | 64.15 | 177.56 | 304.84 | 3.808 | 1.245 |
| 10/31/2011 | 2.00 | 29.07 | 14.56 | 104.74 | 64.21 | 178.46 | 308.09 | 3.361 | 1.253 |
| 11/30/2011 | 1.99 | 27.72 | 13.90 | 103.47 | 64.27 | 179.29 | 311.19 | 3.471 | 1.261 |
| 12/31/2011 | 2.03 | 25.59 | 12.60 | 100.65 | 64.33 | 180.08 | 314.31 | 3.631 | 1.269 |
| 1/31/2012 | 1.91 | 22.69 | 11.86 | 101.55 | 64.39 | 180.79 | 317.46 | 4.112 | 1.278 |
| 2/29/2012 | 1.75 | 21.14 | 12.08 | 87.93 | 64.44 | 181.40 | 320.01 | 3.827 | 1.285 |
| 3/31/2012 | 1.73 | 23.36 | 13.48 | 94.23 | 64.50 | 182.12 | 322.93 | 3.743 | 1.293 |
| 4/30/2012 | 1.66 | 23.34 | 14.10 | 100.93 | 64.55 | 182.82 | 325.96 | 4.025 | 1.301 |
| 5/31/2012 | 1.50 | 22.52 | 15.02 | 101.74 | 64.59 | 183.52 | 329.11 | 4.222 | 1.309 |
| 6/30/2012 | 1.59 | 24.43 | 15.36 | 105.97 | 64.64 | 184.26 | 332.29 | 4.061 | 1.318 |
| 7/31/2012 | 1.60 | 24.10 | 15.01 | 104.94 | 64.69 | 185.00 | 335.55 | 4.070 | 1.327 |
| 8/31/2012 | 1.59 | 23.48 | 14.78 | 100.81 | 64.74 | 185.73 | 338.67 | 4.009 | 1.335 |
| 9/30/2012 | 1.55 | 23.16 | 14.91 | 108.13 | 64.79 | 186.43 | 341.91 | 4.361 | 1.344 |
| 10/31/2012 | 1.65 | 23.81 | 14.47 | 106.16 | 64.84 | 187.16 | 345.20 | 4.157 | 1.352 |
| 11/30/2012 | 1.65 | 25.57 | 15.51 | 108.00 | 64.89 | 187.93 | 348.44 | 3.956 | 1.361 |
| 12/31/2012 | 1.60 | 25.37 | 15.89 | 98.81 | 64.94 | 188.72 | 351.51 | 3.653 | 1.368 |
| 1/31/2013 | 1.54 | 24.32 | 15.79 | 105.03 | 64.99 | 189.47 | 354.76 | 4.050 | 1.377 |
| 2/28/2013 | 1.68 | 24.23 | 14.47 | 109.50 | 65.03 | 190.15 | 357.83 | 4.213 | 1.385 |
| 3/31/2013 | 1.69 | 24.00 | 14.24 | 109.77 | 65.08 | 190.89 | 361.23 | 4.260 | 1.393 |
| 4/30/2013 | 1.62 | 24.83 | 15.37 | 106.80 | 65.13 | 191.64 | 364.44 | 4.027 | 1.402 |
| 5/31/2013 | 1.52 | 22.84 | 15.03 | 97.23 | 65.18 | 192.35 | 367.45 | 3.980 | 1.409 |
| 6/30/2013 | 1.63 | 23.63 | 14.50 | 106.10 | 65.23 | 193.05 | 370.63 | 4.187 | 1.417 |
| 7/31/2013 | 1.59 | 23.31 | 14.70 | 106.68 | 65.28 | 193.78 | 373.94 | 4.271 | 1.426 |
| 8/31/2013 | 1.45 | 22.57 | 15.60 | 102.71 | 65.32 | 194.48 | 377.13 | 4.264 | 1.434 |
| 9/30/2013 | 1.48 | 22.47 | 15.18 | 104.83 | 65.37 | 195.15 | 380.27 | 4.363 | 1.442 |
| 10/31/2013 | 1.44 | 21.90 | 15.24 | 104.29 | 65.41 | 195.83 | 383.50 | 4.456 | 1.450 |
| 11/30/2013 | 1.37 | 21.16 | 15.50 | 100.33 | 65.45 | 196.46 | 386.51 | 4.442 | 1.457 |
| 12/31/2013 | 1.44 | 22.43 | 15.55 | 103.97 | 65.50 | 197.16 | 389.74 | 4.342 | 1.466 |

Pattern: 02-17-006-22 Set: SourisHartneyUnit#1

Oil Formation Vol Factor : 1.05000 m3/m3

Water Formation Vol Factor : 1.00000 m3/m3

Water / Oil Ratio : 46.21 m3/m3

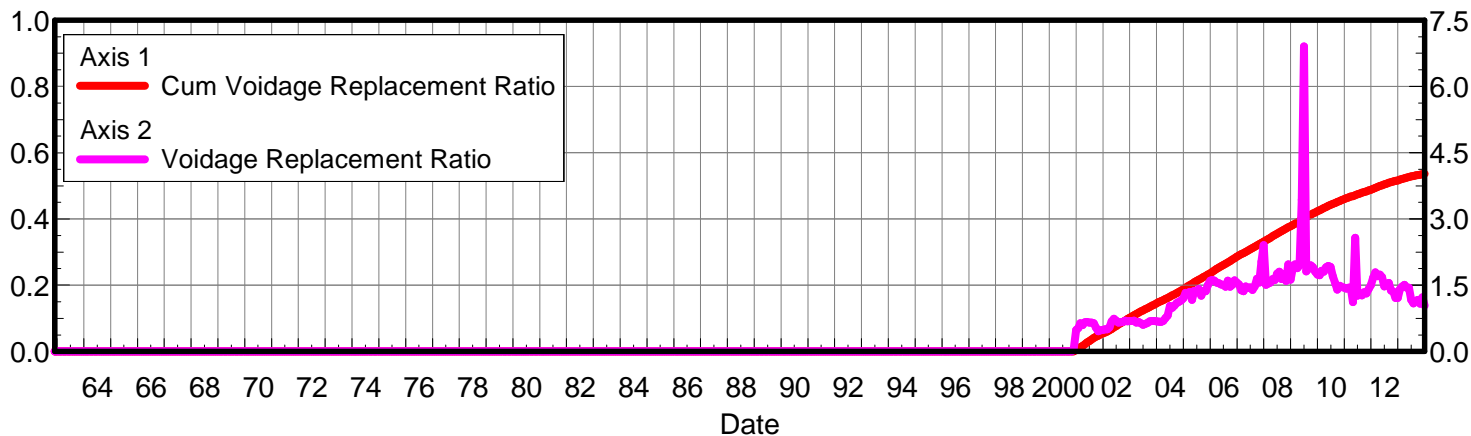
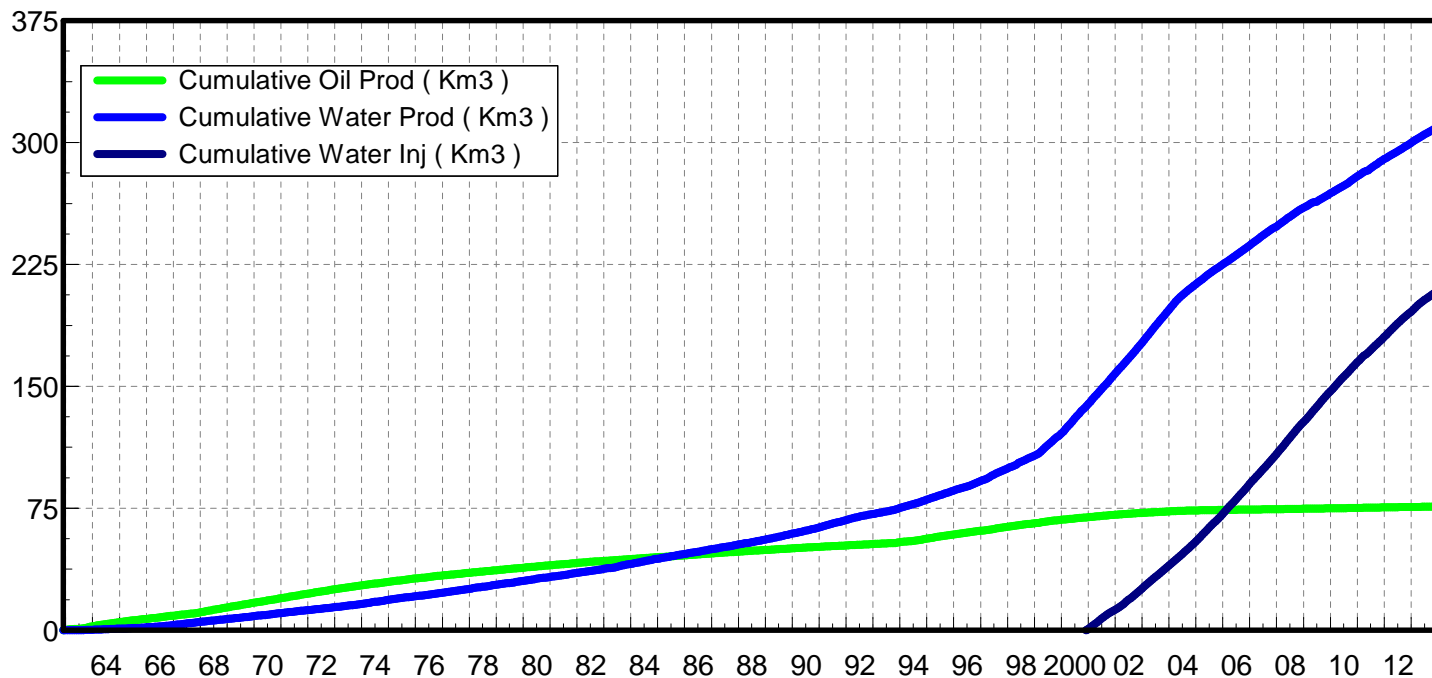
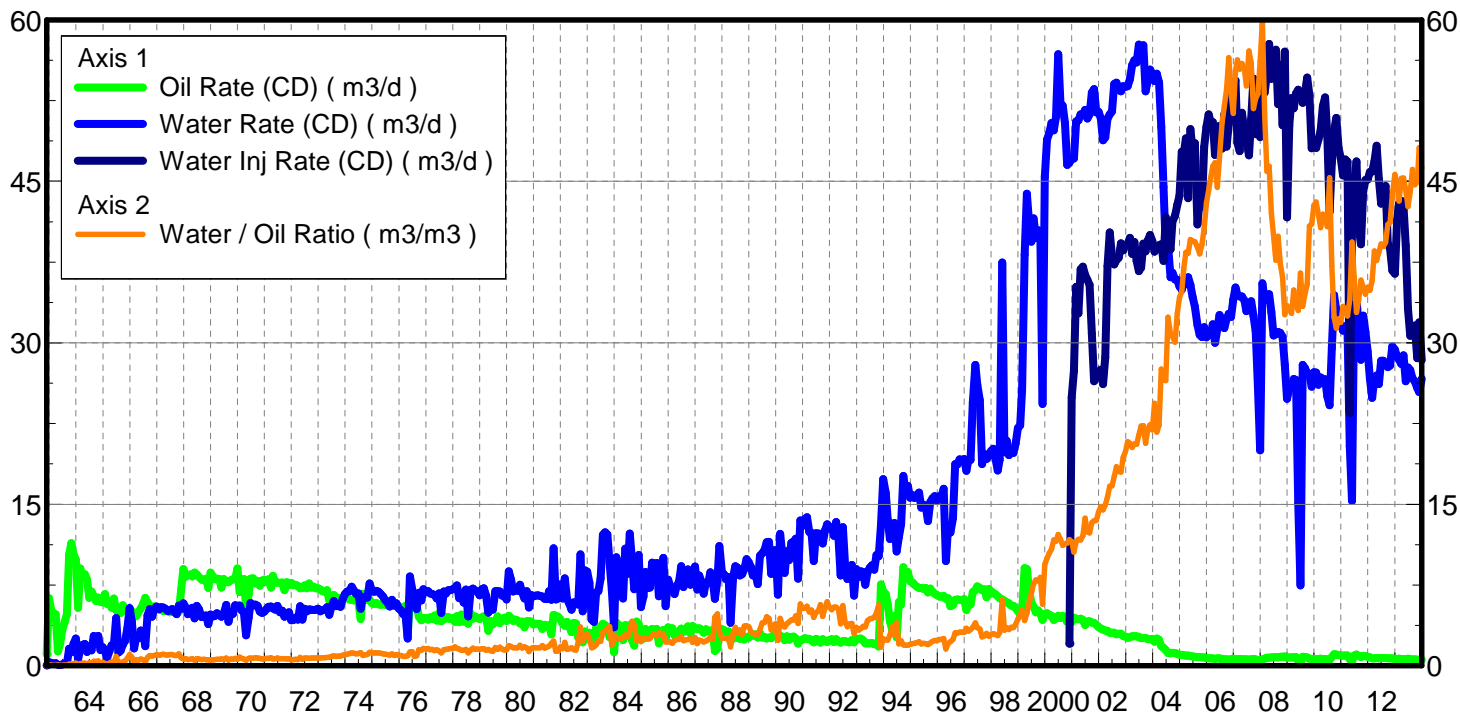
February 26, 2014

Operator: Tundra_O&G_Prtshp

Oil Rate (CD) : 0.58 m3/d

Water Rate (CD) : 26.68 m3/d

Water Inj Rate (CD) : 28.39 m3/d



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

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

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

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|-----------------------------|
| 11/30/1974 | 6.12 | 7.65 | 1.25 | | 29.54 | 18.41 | 0.00 | 0.000 | 0.000 |
| 12/31/1974 | 5.82 | 7.02 | 1.21 | | 29.72 | 18.63 | 0.00 | 0.000 | 0.000 |
| 1/31/1975 | 5.75 | 6.87 | 1.19 | | 29.90 | 18.84 | 0.00 | 0.000 | 0.000 |
| 2/28/1975 | 5.85 | 6.97 | 1.19 | | 30.06 | 19.03 | 0.00 | 0.000 | 0.000 |
| 3/31/1975 | 5.73 | 6.87 | 1.20 | | 30.24 | 19.25 | 0.00 | 0.000 | 0.000 |
| 4/30/1975 | 5.65 | 6.66 | 1.18 | | 30.41 | 19.45 | 0.00 | 0.000 | 0.000 |
| 5/31/1975 | 5.79 | 6.43 | 1.11 | | 30.59 | 19.65 | 0.00 | 0.000 | 0.000 |
| 6/30/1975 | 5.65 | 6.10 | 1.08 | | 30.76 | 19.83 | 0.00 | 0.000 | 0.000 |
| 7/31/1975 | 5.63 | 5.86 | 1.04 | | 30.93 | 20.01 | 0.00 | 0.000 | 0.000 |
| 8/31/1975 | 5.63 | 5.50 | 0.98 | | 31.11 | 20.18 | 0.00 | 0.000 | 0.000 |
| 9/30/1975 | 5.61 | 6.13 | 1.09 | | 31.28 | 20.37 | 0.00 | 0.000 | 0.000 |
| 10/31/1975 | 5.79 | 5.61 | 0.97 | | 31.46 | 20.54 | 0.00 | 0.000 | 0.000 |
| 11/30/1975 | 5.50 | 5.82 | 1.06 | | 31.62 | 20.71 | 0.00 | 0.000 | 0.000 |
| 12/31/1975 | 5.50 | 5.31 | 0.97 | | 31.79 | 20.88 | 0.00 | 0.000 | 0.000 |
| 1/31/1976 | 5.37 | 5.14 | 0.96 | | 31.96 | 21.04 | 0.00 | 0.000 | 0.000 |
| 2/29/1976 | 5.45 | 4.79 | 0.88 | | 32.12 | 21.18 | 0.00 | 0.000 | 0.000 |
| 3/31/1976 | 5.56 | 4.86 | 0.87 | | 32.29 | 21.33 | 0.00 | 0.000 | 0.000 |
| 4/30/1976 | 2.78 | 2.53 | 0.91 | | 32.37 | 21.40 | 0.00 | 0.000 | 0.000 |
| 5/31/1976 | 6.42 | 8.31 | 1.29 | | 32.57 | 21.66 | 0.00 | 0.000 | 0.000 |
| 6/30/1976 | 5.49 | 7.15 | 1.30 | | 32.74 | 21.88 | 0.00 | 0.000 | 0.000 |
| 7/31/1976 | 6.64 | 5.85 | 0.88 | | 32.94 | 22.06 | 0.00 | 0.000 | 0.000 |
| 8/31/1976 | 5.63 | 5.28 | 0.94 | | 33.12 | 22.22 | 0.00 | 0.000 | 0.000 |
| 9/30/1976 | 4.55 | 6.79 | 1.49 | | 33.25 | 22.42 | 0.00 | 0.000 | 0.000 |
| 10/31/1976 | 4.22 | 6.07 | 1.44 | | 33.38 | 22.61 | 0.00 | 0.000 | 0.000 |
| 11/30/1976 | 4.42 | 7.11 | 1.61 | | 33.52 | 22.83 | 0.00 | 0.000 | 0.000 |
| 12/31/1976 | 4.43 | 6.85 | 1.55 | | 33.65 | 23.04 | 0.00 | 0.000 | 0.000 |
| 1/31/1977 | 4.29 | 6.94 | 1.62 | | 33.79 | 23.25 | 0.00 | 0.000 | 0.000 |
| 2/28/1977 | 4.50 | 6.72 | 1.49 | | 33.91 | 23.44 | 0.00 | 0.000 | 0.000 |
| 3/31/1977 | 4.35 | 6.66 | 1.53 | | 34.05 | 23.65 | 0.00 | 0.000 | 0.000 |
| 4/30/1977 | 4.68 | 6.57 | 1.40 | | 34.19 | 23.84 | 0.00 | 0.000 | 0.000 |
| 5/31/1977 | 4.18 | 6.26 | 1.50 | | 34.32 | 24.04 | 0.00 | 0.000 | 0.000 |
| 6/30/1977 | 4.87 | 6.73 | 1.38 | | 34.46 | 24.24 | 0.00 | 0.000 | 0.000 |
| 7/31/1977 | 4.13 | 4.91 | 1.19 | | 34.59 | 24.39 | 0.00 | 0.000 | 0.000 |
| 8/31/1977 | 4.59 | 6.89 | 1.50 | | 34.73 | 24.61 | 0.00 | 0.000 | 0.000 |
| 9/30/1977 | 4.38 | 6.69 | 1.53 | | 34.87 | 24.81 | 0.00 | 0.000 | 0.000 |
| 10/31/1977 | 4.52 | 7.03 | 1.55 | | 35.01 | 25.03 | 0.00 | 0.000 | 0.000 |
| 11/30/1977 | 4.36 | 7.03 | 1.61 | | 35.14 | 25.24 | 0.00 | 0.000 | 0.000 |
| 12/31/1977 | 4.44 | 7.10 | 1.60 | | 35.27 | 25.46 | 0.00 | 0.000 | 0.000 |
| 1/31/1978 | 4.08 | 7.22 | 1.77 | | 35.40 | 25.68 | 0.00 | 0.000 | 0.000 |
| 2/28/1978 | 4.63 | 7.47 | 1.61 | | 35.53 | 25.89 | 0.00 | 0.000 | 0.000 |
| 3/31/1978 | 4.06 | 6.26 | 1.54 | | 35.66 | 26.08 | 0.00 | 0.000 | 0.000 |
| 4/30/1978 | 4.75 | 6.77 | 1.43 | | 35.80 | 26.29 | 0.00 | 0.000 | 0.000 |
| 5/31/1978 | 4.11 | 5.85 | 1.42 | | 35.93 | 26.47 | 0.00 | 0.000 | 0.000 |
| 6/30/1978 | 4.63 | 7.09 | 1.53 | | 36.06 | 26.68 | 0.00 | 0.000 | 0.000 |
| 7/31/1978 | 3.89 | 4.59 | 1.18 | | 36.19 | 26.82 | 0.00 | 0.000 | 0.000 |
| 8/31/1978 | 4.85 | 7.05 | 1.45 | | 36.34 | 27.04 | 0.00 | 0.000 | 0.000 |
| 9/30/1978 | 4.37 | 7.18 | 1.64 | | 36.47 | 27.26 | 0.00 | 0.000 | 0.000 |
| 10/31/1978 | 4.59 | 7.00 | 1.52 | | 36.61 | 27.47 | 0.00 | 0.000 | 0.000 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|-----------------------------|
| 11/30/1978 | 4.44 | 6.86 | 1.54 | | 36.74 | 27.68 | 0.00 | 0.000 | 0.000 |
| 12/31/1978 | 4.34 | 6.54 | 1.51 | | 36.88 | 27.88 | 0.00 | 0.000 | 0.000 |
| 1/31/1979 | 4.49 | 7.12 | 1.58 | | 37.02 | 28.10 | 0.00 | 0.000 | 0.000 |
| 2/28/1979 | 4.59 | 7.20 | 1.57 | | 37.14 | 28.30 | 0.00 | 0.000 | 0.000 |
| 3/31/1979 | 4.55 | 6.51 | 1.43 | | 37.29 | 28.51 | 0.00 | 0.000 | 0.000 |
| 4/30/1979 | 3.25 | 4.93 | 1.52 | | 37.38 | 28.65 | 0.00 | 0.000 | 0.000 |
| 5/31/1979 | 4.16 | 5.86 | 1.41 | | 37.51 | 28.84 | 0.00 | 0.000 | 0.000 |
| 6/30/1979 | 3.85 | 5.21 | 1.35 | | 37.63 | 28.99 | 0.00 | 0.000 | 0.000 |
| 7/31/1979 | 4.10 | 6.94 | 1.69 | | 37.75 | 29.21 | 0.00 | 0.000 | 0.000 |
| 8/31/1979 | 4.59 | 6.94 | 1.51 | | 37.90 | 29.42 | 0.00 | 0.000 | 0.000 |
| 9/30/1979 | 3.96 | 6.89 | 1.74 | | 38.02 | 29.63 | 0.00 | 0.000 | 0.000 |
| 10/31/1979 | 4.23 | 6.52 | 1.54 | | 38.15 | 29.83 | 0.00 | 0.000 | 0.000 |
| 11/30/1979 | 4.47 | 6.51 | 1.46 | | 38.28 | 30.03 | 0.00 | 0.000 | 0.000 |
| 12/31/1979 | 4.15 | 6.17 | 1.48 | | 38.41 | 30.22 | 0.00 | 0.000 | 0.000 |
| 1/31/1980 | 4.64 | 8.77 | 1.89 | | 38.55 | 30.49 | 0.00 | 0.000 | 0.000 |
| 2/29/1980 | 4.44 | 7.99 | 1.80 | | 38.68 | 30.72 | 0.00 | 0.000 | 0.000 |
| 3/31/1980 | 4.17 | 6.91 | 1.66 | | 38.81 | 30.93 | 0.00 | 0.000 | 0.000 |
| 4/30/1980 | 4.28 | 7.16 | 1.67 | | 38.94 | 31.15 | 0.00 | 0.000 | 0.000 |
| 5/31/1980 | 4.20 | 6.97 | 1.66 | | 39.07 | 31.37 | 0.00 | 0.000 | 0.000 |
| 6/30/1980 | 3.93 | 7.53 | 1.92 | | 39.19 | 31.59 | 0.00 | 0.000 | 0.000 |
| 7/31/1980 | 4.12 | 6.78 | 1.65 | | 39.32 | 31.80 | 0.00 | 0.000 | 0.000 |
| 8/31/1980 | 3.59 | 6.26 | 1.74 | | 39.43 | 32.00 | 0.00 | 0.000 | 0.000 |
| 9/30/1980 | 4.15 | 6.94 | 1.67 | | 39.55 | 32.20 | 0.00 | 0.000 | 0.000 |
| 10/31/1980 | 4.14 | 5.42 | 1.31 | | 39.68 | 32.37 | 0.00 | 0.000 | 0.000 |
| 11/30/1980 | 4.11 | 6.58 | 1.60 | | 39.80 | 32.57 | 0.00 | 0.000 | 0.000 |
| 12/31/1980 | 3.83 | 6.46 | 1.69 | | 39.92 | 32.77 | 0.00 | 0.000 | 0.000 |
| 1/31/1981 | 3.89 | 6.52 | 1.68 | | 40.04 | 32.97 | 0.00 | 0.000 | 0.000 |
| 2/28/1981 | 3.90 | 6.55 | 1.68 | | 40.15 | 33.16 | 0.00 | 0.000 | 0.000 |
| 3/31/1981 | 3.87 | 6.50 | 1.68 | | 40.27 | 33.36 | 0.00 | 0.000 | 0.000 |
| 4/30/1981 | 3.42 | 6.44 | 1.88 | | 40.37 | 33.55 | 0.00 | 0.000 | 0.000 |
| 5/31/1981 | 3.81 | 6.21 | 1.63 | | 40.49 | 33.74 | 0.00 | 0.000 | 0.000 |
| 6/30/1981 | 3.60 | 6.20 | 1.72 | | 40.60 | 33.93 | 0.00 | 0.000 | 0.000 |
| 7/31/1981 | 3.79 | 6.95 | 1.83 | | 40.72 | 34.14 | 0.00 | 0.000 | 0.000 |
| 8/31/1981 | 2.93 | 6.12 | 2.09 | | 40.81 | 34.33 | 0.00 | 0.000 | 0.000 |
| 9/30/1981 | 4.72 | 10.90 | 2.31 | | 40.95 | 34.66 | 0.00 | 0.000 | 0.000 |
| 10/31/1981 | 4.63 | 6.17 | 1.33 | | 41.09 | 34.85 | 0.00 | 0.000 | 0.000 |
| 11/30/1981 | 4.54 | 6.24 | 1.37 | | 41.23 | 35.04 | 0.00 | 0.000 | 0.000 |
| 12/31/1981 | 4.32 | 7.56 | 1.75 | | 41.36 | 35.27 | 0.00 | 0.000 | 0.000 |
| 1/31/1982 | 3.92 | 6.25 | 1.59 | | 41.48 | 35.47 | 0.00 | 0.000 | 0.000 |
| 2/28/1982 | 3.73 | 8.13 | 2.18 | | 41.59 | 35.70 | 0.00 | 0.000 | 0.000 |
| 3/31/1982 | 4.07 | 6.19 | 1.52 | | 41.72 | 35.89 | 0.00 | 0.000 | 0.000 |
| 4/30/1982 | 3.63 | 5.78 | 1.59 | | 41.82 | 36.06 | 0.00 | 0.000 | 0.000 |
| 5/31/1982 | 3.13 | 5.21 | 1.66 | | 41.92 | 36.22 | 0.00 | 0.000 | 0.000 |
| 6/30/1982 | 3.99 | 5.89 | 1.48 | | 42.04 | 36.40 | 0.00 | 0.000 | 0.000 |
| 7/31/1982 | 3.94 | 5.76 | 1.46 | | 42.16 | 36.58 | 0.00 | 0.000 | 0.000 |
| 8/31/1982 | 2.61 | 5.68 | 2.18 | | 42.24 | 36.75 | 0.00 | 0.000 | 0.000 |
| 9/30/1982 | 2.88 | 10.35 | 3.59 | | 42.33 | 37.06 | 0.00 | 0.000 | 0.000 |
| 10/31/1982 | 2.19 | 5.06 | 2.31 | | 42.40 | 37.22 | 0.00 | 0.000 | 0.000 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|-----------------------------|
| 11/30/1982 | 3.18 | 8.87 | 2.79 | | 42.49 | 37.49 | 0.00 | 0.000 | 0.000 |
| 12/31/1982 | 2.95 | 8.75 | 2.97 | | 42.59 | 37.76 | 0.00 | 0.000 | 0.000 |
| 1/31/1983 | 3.08 | 7.69 | 2.50 | | 42.68 | 38.00 | 0.00 | 0.000 | 0.000 |
| 2/28/1983 | 2.59 | 4.30 | 1.66 | | 42.75 | 38.12 | 0.00 | 0.000 | 0.000 |
| 3/31/1983 | 2.31 | 4.08 | 1.77 | | 42.83 | 38.24 | 0.00 | 0.000 | 0.000 |
| 4/30/1983 | 3.51 | 6.80 | 1.94 | | 42.93 | 38.45 | 0.00 | 0.000 | 0.000 |
| 5/31/1983 | 3.03 | 6.93 | 2.29 | | 43.02 | 38.66 | 0.00 | 0.000 | 0.000 |
| 6/30/1983 | 3.59 | 8.12 | 2.26 | | 43.13 | 38.91 | 0.00 | 0.000 | 0.000 |
| 7/31/1983 | 3.89 | 12.15 | 3.12 | | 43.25 | 39.28 | 0.00 | 0.000 | 0.000 |
| 8/31/1983 | 3.78 | 12.41 | 3.28 | | 43.37 | 39.67 | 0.00 | 0.000 | 0.000 |
| 9/30/1983 | 3.51 | 12.20 | 3.48 | | 43.48 | 40.03 | 0.00 | 0.000 | 0.000 |
| 10/31/1983 | 2.64 | 9.58 | 3.63 | | 43.56 | 40.33 | 0.00 | 0.000 | 0.000 |
| 11/30/1983 | 3.65 | 7.02 | 1.92 | | 43.67 | 40.54 | 0.00 | 0.000 | 0.000 |
| 12/31/1983 | 1.26 | 3.58 | 2.84 | | 43.71 | 40.65 | 0.00 | 0.000 | 0.000 |
| 1/31/1984 | 4.03 | 10.10 | 2.51 | | 43.83 | 40.96 | 0.00 | 0.000 | 0.000 |
| 2/29/1984 | 3.81 | 9.39 | 2.46 | | 43.94 | 41.24 | 0.00 | 0.000 | 0.000 |
| 3/31/1984 | 3.68 | 9.27 | 2.52 | | 44.06 | 41.52 | 0.00 | 0.000 | 0.000 |
| 4/30/1984 | 2.39 | 6.25 | 2.61 | | 44.13 | 41.71 | 0.00 | 0.000 | 0.000 |
| 5/31/1984 | 3.79 | 10.87 | 2.87 | | 44.24 | 42.05 | 0.00 | 0.000 | 0.000 |
| 6/30/1984 | 3.27 | 8.55 | 2.61 | | 44.34 | 42.31 | 0.00 | 0.000 | 0.000 |
| 7/31/1984 | 3.78 | 12.29 | 3.25 | | 44.46 | 42.69 | 0.00 | 0.000 | 0.000 |
| 8/31/1984 | 2.38 | 9.82 | 4.13 | | 44.53 | 42.99 | 0.00 | 0.000 | 0.000 |
| 9/30/1984 | 1.87 | 7.12 | 3.80 | | 44.59 | 43.20 | 0.00 | 0.000 | 0.000 |
| 10/31/1984 | 4.11 | 9.63 | 2.34 | | 44.72 | 43.50 | 0.00 | 0.000 | 0.000 |
| 11/30/1984 | 3.87 | 10.28 | 2.65 | | 44.83 | 43.81 | 0.00 | 0.000 | 0.000 |
| 12/31/1984 | 2.42 | 5.44 | 2.25 | | 44.91 | 43.98 | 0.00 | 0.000 | 0.000 |
| 1/31/1985 | 2.55 | 6.45 | 2.54 | | 44.99 | 44.18 | 0.00 | 0.000 | 0.000 |
| 2/28/1985 | 3.42 | 8.71 | 2.54 | | 45.08 | 44.42 | 0.00 | 0.000 | 0.000 |
| 3/31/1985 | 2.92 | 7.23 | 2.48 | | 45.17 | 44.65 | 0.00 | 0.000 | 0.000 |
| 4/30/1985 | 2.85 | 7.25 | 2.54 | | 45.26 | 44.87 | 0.00 | 0.000 | 0.000 |
| 5/31/1985 | 3.42 | 9.58 | 2.80 | | 45.37 | 45.16 | 0.00 | 0.000 | 0.000 |
| 6/30/1985 | 3.01 | 8.98 | 2.99 | | 45.46 | 45.43 | 0.00 | 0.000 | 0.000 |
| 7/31/1985 | 3.43 | 9.54 | 2.78 | | 45.56 | 45.73 | 0.00 | 0.000 | 0.000 |
| 8/31/1985 | 2.10 | 6.44 | 3.07 | | 45.63 | 45.93 | 0.00 | 0.000 | 0.000 |
| 9/30/1985 | 3.01 | 8.68 | 2.88 | | 45.72 | 46.19 | 0.00 | 0.000 | 0.000 |
| 10/31/1985 | 3.35 | 10.01 | 2.99 | | 45.82 | 46.50 | 0.00 | 0.000 | 0.000 |
| 11/30/1985 | 2.51 | 5.54 | 2.21 | | 45.90 | 46.66 | 0.00 | 0.000 | 0.000 |
| 12/31/1985 | 3.56 | 8.00 | 2.24 | | 46.01 | 46.91 | 0.00 | 0.000 | 0.000 |
| 1/31/1986 | 3.34 | 7.34 | 2.20 | | 46.11 | 47.14 | 0.00 | 0.000 | 0.000 |
| 2/28/1986 | 3.49 | 7.25 | 2.08 | | 46.21 | 47.34 | 0.00 | 0.000 | 0.000 |
| 3/31/1986 | 2.83 | 6.68 | 2.36 | | 46.30 | 47.55 | 0.00 | 0.000 | 0.000 |
| 4/30/1986 | 3.05 | 7.45 | 2.44 | | 46.39 | 47.77 | 0.00 | 0.000 | 0.000 |
| 5/31/1986 | 3.20 | 7.81 | 2.44 | | 46.49 | 48.01 | 0.00 | 0.000 | 0.000 |
| 6/30/1986 | 3.46 | 9.25 | 2.67 | | 46.59 | 48.29 | 0.00 | 0.000 | 0.000 |
| 7/31/1986 | 3.16 | 7.33 | 2.32 | | 46.69 | 48.52 | 0.00 | 0.000 | 0.000 |
| 8/31/1986 | 3.28 | 7.89 | 2.41 | | 46.79 | 48.76 | 0.00 | 0.000 | 0.000 |
| 9/30/1986 | 3.66 | 8.95 | 2.45 | | 46.90 | 49.03 | 0.00 | 0.000 | 0.000 |
| 10/31/1986 | 3.01 | 7.53 | 2.51 | | 46.99 | 49.27 | 0.00 | 0.000 | 0.000 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|-----------------------------|
| 11/30/1986 | 3.70 | 8.02 | 2.17 | | 47.10 | 49.51 | 0.00 | 0.000 | 0.000 |
| 12/31/1986 | 3.51 | 9.21 | 2.63 | | 47.21 | 49.79 | 0.00 | 0.000 | 0.000 |
| 1/31/1987 | 3.43 | 7.07 | 2.06 | | 47.32 | 50.01 | 0.00 | 0.000 | 0.000 |
| 2/28/1987 | 3.50 | 8.38 | 2.40 | | 47.42 | 50.25 | 0.00 | 0.000 | 0.000 |
| 3/31/1987 | 3.37 | 7.79 | 2.31 | | 47.52 | 50.49 | 0.00 | 0.000 | 0.000 |
| 4/30/1987 | 3.05 | 6.70 | 2.20 | | 47.61 | 50.69 | 0.00 | 0.000 | 0.000 |
| 5/31/1987 | 3.38 | 7.74 | 2.29 | | 47.72 | 50.93 | 0.00 | 0.000 | 0.000 |
| 6/30/1987 | 3.18 | 7.68 | 2.42 | | 47.81 | 51.16 | 0.00 | 0.000 | 0.000 |
| 7/31/1987 | 3.26 | 8.68 | 2.66 | | 47.91 | 51.43 | 0.00 | 0.000 | 0.000 |
| 8/31/1987 | 3.11 | 7.75 | 2.50 | | 48.01 | 51.67 | 0.00 | 0.000 | 0.000 |
| 9/30/1987 | 1.38 | 6.23 | 4.51 | | 48.05 | 51.86 | 0.00 | 0.000 | 0.000 |
| 10/31/1987 | 1.65 | 7.95 | 4.82 | | 48.10 | 52.10 | 0.00 | 0.000 | 0.000 |
| 11/30/1987 | 3.49 | 11.12 | 3.18 | | 48.21 | 52.44 | 0.00 | 0.000 | 0.000 |
| 12/31/1987 | 3.38 | 8.70 | 2.57 | | 48.31 | 52.70 | 0.00 | 0.000 | 0.000 |
| 1/31/1988 | 3.31 | 8.49 | 2.57 | | 48.41 | 52.97 | 0.00 | 0.000 | 0.000 |
| 2/29/1988 | 3.17 | 8.03 | 2.53 | | 48.51 | 53.20 | 0.00 | 0.000 | 0.000 |
| 3/31/1988 | 3.19 | 8.24 | 2.59 | | 48.61 | 53.46 | 0.00 | 0.000 | 0.000 |
| 4/30/1988 | 2.26 | 3.98 | 1.76 | | 48.67 | 53.58 | 0.00 | 0.000 | 0.000 |
| 5/31/1988 | 2.79 | 8.28 | 2.96 | | 48.76 | 53.83 | 0.00 | 0.000 | 0.000 |
| 6/30/1988 | 2.59 | 9.24 | 3.57 | | 48.84 | 54.11 | 0.00 | 0.000 | 0.000 |
| 7/31/1988 | 2.97 | 9.11 | 3.07 | | 48.93 | 54.39 | 0.00 | 0.000 | 0.000 |
| 8/31/1988 | 2.51 | 8.39 | 3.35 | | 49.01 | 54.65 | 0.00 | 0.000 | 0.000 |
| 9/30/1988 | 2.92 | 8.51 | 2.92 | | 49.09 | 54.91 | 0.00 | 0.000 | 0.000 |
| 10/31/1988 | 2.44 | 8.99 | 3.69 | | 49.17 | 55.19 | 0.00 | 0.000 | 0.000 |
| 11/30/1988 | 2.65 | 9.89 | 3.73 | | 49.25 | 55.48 | 0.00 | 0.000 | 0.000 |
| 12/31/1988 | 2.64 | 9.60 | 3.64 | | 49.33 | 55.78 | 0.00 | 0.000 | 0.000 |
| 1/31/1989 | 2.89 | 9.16 | 3.17 | | 49.42 | 56.06 | 0.00 | 0.000 | 0.000 |
| 2/28/1989 | 2.80 | 8.39 | 2.99 | | 49.50 | 56.30 | 0.00 | 0.000 | 0.000 |
| 3/31/1989 | 2.92 | 8.55 | 2.92 | | 49.59 | 56.56 | 0.00 | 0.000 | 0.000 |
| 4/30/1989 | 2.63 | 7.60 | 2.89 | | 49.67 | 56.79 | 0.00 | 0.000 | 0.000 |
| 5/31/1989 | 3.05 | 10.23 | 3.35 | | 49.76 | 57.11 | 0.00 | 0.000 | 0.000 |
| 6/30/1989 | 2.61 | 10.44 | 4.00 | | 49.84 | 57.42 | 0.00 | 0.000 | 0.000 |
| 7/31/1989 | 2.67 | 10.72 | 4.02 | | 49.92 | 57.76 | 0.00 | 0.000 | 0.000 |
| 8/31/1989 | 2.52 | 11.49 | 4.56 | | 50.00 | 58.11 | 0.00 | 0.000 | 0.000 |
| 9/30/1989 | 2.61 | 11.51 | 4.40 | | 50.08 | 58.46 | 0.00 | 0.000 | 0.000 |
| 10/31/1989 | 2.55 | 8.52 | 3.34 | | 50.16 | 58.72 | 0.00 | 0.000 | 0.000 |
| 11/30/1989 | 2.87 | 10.72 | 3.74 | | 50.25 | 59.04 | 0.00 | 0.000 | 0.000 |
| 12/31/1989 | 2.75 | 10.72 | 3.90 | | 50.33 | 59.37 | 0.00 | 0.000 | 0.000 |
| 1/31/1990 | 2.82 | 6.62 | 2.35 | | 50.42 | 59.58 | 0.00 | 0.000 | 0.000 |
| 2/28/1990 | 2.79 | 12.24 | 4.39 | | 50.50 | 59.92 | 0.00 | 0.000 | 0.000 |
| 3/31/1990 | 2.68 | 10.25 | 3.83 | | 50.58 | 60.24 | 0.00 | 0.000 | 0.000 |
| 4/30/1990 | 2.40 | 8.63 | 3.60 | | 50.65 | 60.50 | 0.00 | 0.000 | 0.000 |
| 5/31/1990 | 2.73 | 10.65 | 3.90 | | 50.74 | 60.83 | 0.00 | 0.000 | 0.000 |
| 6/30/1990 | 2.41 | 9.81 | 4.07 | | 50.81 | 61.12 | 0.00 | 0.000 | 0.000 |
| 7/31/1990 | 2.68 | 11.41 | 4.26 | | 50.89 | 61.48 | 0.00 | 0.000 | 0.000 |
| 8/31/1990 | 2.70 | 11.55 | 4.27 | | 50.98 | 61.84 | 0.00 | 0.000 | 0.000 |
| 9/30/1990 | 2.54 | 11.80 | 4.64 | | 51.05 | 62.19 | 0.00 | 0.000 | 0.000 |
| 10/31/1990 | 2.06 | 8.09 | 3.93 | | 51.12 | 62.44 | 0.00 | 0.000 | 0.000 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|-----------------------------|
| 11/30/1990 | 2.35 | 13.50 | 5.75 | | 51.19 | 62.84 | 0.00 | 0.000 | 0.000 |
| 12/31/1990 | 2.45 | 13.00 | 5.32 | | 51.26 | 63.25 | 0.00 | 0.000 | 0.000 |
| 1/31/1991 | 2.55 | 13.62 | 5.34 | | 51.34 | 63.67 | 0.00 | 0.000 | 0.000 |
| 2/28/1991 | 2.50 | 13.80 | 5.52 | | 51.41 | 64.06 | 0.00 | 0.000 | 0.000 |
| 3/31/1991 | 2.49 | 12.44 | 4.99 | | 51.49 | 64.44 | 0.00 | 0.000 | 0.000 |
| 4/30/1991 | 2.38 | 12.35 | 5.19 | | 51.56 | 64.81 | 0.00 | 0.000 | 0.000 |
| 5/31/1991 | 2.16 | 9.73 | 4.50 | | 51.63 | 65.11 | 0.00 | 0.000 | 0.000 |
| 6/30/1991 | 2.50 | 12.32 | 4.93 | | 51.70 | 65.48 | 0.00 | 0.000 | 0.000 |
| 7/31/1991 | 2.41 | 12.27 | 5.09 | | 51.78 | 65.86 | 0.00 | 0.000 | 0.000 |
| 8/31/1991 | 2.15 | 12.24 | 5.70 | | 51.84 | 66.24 | 0.00 | 0.000 | 0.000 |
| 9/30/1991 | 2.48 | 11.35 | 4.58 | | 51.92 | 66.58 | 0.00 | 0.000 | 0.000 |
| 10/31/1991 | 2.33 | 12.56 | 5.39 | | 51.99 | 66.97 | 0.00 | 0.000 | 0.000 |
| 11/30/1991 | 2.21 | 13.14 | 5.95 | | 52.06 | 67.37 | 0.00 | 0.000 | 0.000 |
| 12/31/1991 | 2.38 | 12.92 | 5.42 | | 52.13 | 67.77 | 0.00 | 0.000 | 0.000 |
| 1/31/1992 | 2.47 | 12.85 | 5.21 | | 52.21 | 68.17 | 0.00 | 0.000 | 0.000 |
| 2/29/1992 | 2.22 | 12.09 | 5.45 | | 52.27 | 68.52 | 0.00 | 0.000 | 0.000 |
| 3/31/1992 | 2.46 | 13.36 | 5.44 | | 52.35 | 68.93 | 0.00 | 0.000 | 0.000 |
| 4/30/1992 | 2.27 | 11.97 | 5.27 | | 52.41 | 69.29 | 0.00 | 0.000 | 0.000 |
| 5/31/1992 | 2.15 | 8.39 | 3.91 | | 52.48 | 69.55 | 0.00 | 0.000 | 0.000 |
| 6/30/1992 | 2.30 | 12.87 | 5.60 | | 52.55 | 69.94 | 0.00 | 0.000 | 0.000 |
| 7/31/1992 | 2.28 | 9.27 | 4.06 | | 52.62 | 70.22 | 0.00 | 0.000 | 0.000 |
| 8/31/1992 | 2.22 | 8.05 | 3.63 | | 52.69 | 70.47 | 0.00 | 0.000 | 0.000 |
| 9/30/1992 | 2.17 | 8.43 | 3.89 | | 52.75 | 70.73 | 0.00 | 0.000 | 0.000 |
| 10/31/1992 | 2.39 | 9.37 | 3.92 | | 52.83 | 71.02 | 0.00 | 0.000 | 0.000 |
| 11/30/1992 | 2.18 | 6.52 | 2.99 | | 52.89 | 71.21 | 0.00 | 0.000 | 0.000 |
| 12/31/1992 | 2.52 | 8.98 | 3.57 | | 52.97 | 71.49 | 0.00 | 0.000 | 0.000 |
| 1/31/1993 | 2.50 | 8.23 | 3.30 | | 53.05 | 71.75 | 0.00 | 0.000 | 0.000 |
| 2/28/1993 | 2.54 | 8.78 | 3.46 | | 53.12 | 71.99 | 0.00 | 0.000 | 0.000 |
| 3/31/1993 | 2.39 | 8.72 | 3.65 | | 53.19 | 72.26 | 0.00 | 0.000 | 0.000 |
| 4/30/1993 | 2.08 | 7.51 | 3.61 | | 53.26 | 72.49 | 0.00 | 0.000 | 0.000 |
| 5/31/1993 | 2.08 | 8.69 | 4.18 | | 53.32 | 72.76 | 0.00 | 0.000 | 0.000 |
| 6/30/1993 | 2.09 | 9.11 | 4.35 | | 53.38 | 73.03 | 0.00 | 0.000 | 0.000 |
| 7/31/1993 | 2.13 | 9.33 | 4.39 | | 53.45 | 73.32 | 0.00 | 0.000 | 0.000 |
| 8/31/1993 | 1.99 | 8.93 | 4.50 | | 53.51 | 73.60 | 0.00 | 0.000 | 0.000 |
| 9/30/1993 | 2.10 | 10.30 | 4.90 | | 53.57 | 73.91 | 0.00 | 0.000 | 0.000 |
| 10/31/1993 | 1.80 | 10.18 | 5.67 | | 53.63 | 74.22 | 0.00 | 0.000 | 0.000 |
| 11/30/1993 | 7.54 | 13.04 | 1.73 | | 53.86 | 74.61 | 0.00 | 0.000 | 0.000 |
| 12/31/1993 | 6.91 | 17.34 | 2.51 | | 54.07 | 75.15 | 0.00 | 0.000 | 0.000 |
| 1/31/1994 | 6.65 | 16.07 | 2.42 | | 54.28 | 75.65 | 0.00 | 0.000 | 0.000 |
| 2/28/1994 | 5.73 | 13.58 | 2.37 | | 54.44 | 76.03 | 0.00 | 0.000 | 0.000 |
| 3/31/1994 | 4.15 | 11.78 | 2.84 | | 54.57 | 76.39 | 0.00 | 0.000 | 0.000 |
| 4/30/1994 | 3.36 | 12.20 | 3.63 | | 54.67 | 76.76 | 0.00 | 0.000 | 0.000 |
| 5/31/1994 | 4.60 | 13.28 | 2.89 | | 54.81 | 77.17 | 0.00 | 0.000 | 0.000 |
| 6/30/1994 | 2.66 | 10.61 | 3.99 | | 54.89 | 77.49 | 0.00 | 0.000 | 0.000 |
| 7/31/1994 | 5.92 | 11.95 | 2.02 | | 55.07 | 77.86 | 0.00 | 0.000 | 0.000 |
| 8/31/1994 | 5.69 | 13.15 | 2.31 | | 55.25 | 78.27 | 0.00 | 0.000 | 0.000 |
| 9/30/1994 | 9.17 | 17.64 | 1.92 | | 55.52 | 78.80 | 0.00 | 0.000 | 0.000 |
| 10/31/1994 | 8.40 | 16.03 | 1.91 | | 55.78 | 79.29 | 0.00 | 0.000 | 0.000 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|-----------------------------|
| 11/30/1994 | 8.73 | 16.73 | 1.92 | | 56.05 | 79.79 | 0.00 | 0.000 | 0.000 |
| 12/31/1994 | 7.86 | 15.61 | 1.98 | | 56.29 | 80.28 | 0.00 | 0.000 | 0.000 |
| 1/31/1995 | 7.73 | 15.84 | 2.05 | | 56.53 | 80.77 | 0.00 | 0.000 | 0.000 |
| 2/28/1995 | 7.52 | 15.58 | 2.07 | | 56.74 | 81.21 | 0.00 | 0.000 | 0.000 |
| 3/31/1995 | 7.36 | 15.76 | 2.14 | | 56.97 | 81.69 | 0.00 | 0.000 | 0.000 |
| 4/30/1995 | 7.22 | 16.10 | 2.23 | | 57.19 | 82.18 | 0.00 | 0.000 | 0.000 |
| 5/31/1995 | 7.24 | 14.70 | 2.03 | | 57.41 | 82.63 | 0.00 | 0.000 | 0.000 |
| 6/30/1995 | 7.15 | 14.97 | 2.09 | | 57.62 | 83.08 | 0.00 | 0.000 | 0.000 |
| 7/31/1995 | 7.24 | 14.81 | 2.05 | | 57.85 | 83.54 | 0.00 | 0.000 | 0.000 |
| 8/31/1995 | 6.82 | 13.43 | 1.97 | | 58.06 | 83.96 | 0.00 | 0.000 | 0.000 |
| 9/30/1995 | 7.17 | 15.20 | 2.12 | | 58.28 | 84.41 | 0.00 | 0.000 | 0.000 |
| 10/31/1995 | 6.88 | 15.54 | 2.26 | | 58.49 | 84.90 | 0.00 | 0.000 | 0.000 |
| 11/30/1995 | 6.71 | 15.76 | 2.35 | | 58.69 | 85.37 | 0.00 | 0.000 | 0.000 |
| 12/31/1995 | 6.59 | 15.34 | 2.33 | | 58.89 | 85.84 | 0.00 | 0.000 | 0.000 |
| 1/31/1996 | 6.43 | 15.75 | 2.45 | | 59.09 | 86.33 | 0.00 | 0.000 | 0.000 |
| 2/29/1996 | 6.42 | 15.66 | 2.44 | | 59.28 | 86.79 | 0.00 | 0.000 | 0.000 |
| 3/31/1996 | 6.49 | 16.46 | 2.54 | | 59.48 | 87.30 | 0.00 | 0.000 | 0.000 |
| 4/30/1996 | 6.22 | 9.74 | 1.56 | | 59.67 | 87.59 | 0.00 | 0.000 | 0.000 |
| 5/31/1996 | 6.27 | 13.02 | 2.08 | | 59.86 | 87.99 | 0.00 | 0.000 | 0.000 |
| 6/30/1996 | 5.53 | 12.37 | 2.24 | | 60.03 | 88.36 | 0.00 | 0.000 | 0.000 |
| 7/31/1996 | 5.64 | 13.72 | 2.43 | | 60.20 | 88.79 | 0.00 | 0.000 | 0.000 |
| 8/31/1996 | 6.11 | 18.75 | 3.07 | | 60.39 | 89.37 | 0.00 | 0.000 | 0.000 |
| 9/30/1996 | 6.17 | 18.71 | 3.04 | | 60.58 | 89.93 | 0.00 | 0.000 | 0.000 |
| 10/31/1996 | 6.14 | 19.17 | 3.12 | | 60.77 | 90.53 | 0.00 | 0.000 | 0.000 |
| 11/30/1996 | 6.10 | 19.01 | 3.12 | | 60.95 | 91.10 | 0.00 | 0.000 | 0.000 |
| 12/31/1996 | 6.18 | 19.22 | 3.11 | | 61.14 | 91.69 | 0.00 | 0.000 | 0.000 |
| 1/31/1997 | 5.18 | 18.10 | 3.49 | | 61.30 | 92.25 | 0.00 | 0.000 | 0.000 |
| 2/28/1997 | 5.95 | 19.06 | 3.20 | | 61.47 | 92.79 | 0.00 | 0.000 | 0.000 |
| 3/31/1997 | 5.67 | 19.11 | 3.37 | | 61.65 | 93.38 | 0.00 | 0.000 | 0.000 |
| 4/30/1997 | 6.85 | 24.44 | 3.57 | | 61.85 | 94.11 | 0.00 | 0.000 | 0.000 |
| 5/31/1997 | 7.02 | 27.96 | 3.98 | | 62.07 | 94.98 | 0.00 | 0.000 | 0.000 |
| 6/30/1997 | 7.38 | 26.11 | 3.54 | | 62.29 | 95.76 | 0.00 | 0.000 | 0.000 |
| 7/31/1997 | 7.21 | 24.66 | 3.42 | | 62.51 | 96.53 | 0.00 | 0.000 | 0.000 |
| 8/31/1997 | 7.01 | 18.72 | 2.67 | | 62.73 | 97.11 | 0.00 | 0.000 | 0.000 |
| 9/30/1997 | 7.11 | 19.69 | 2.77 | | 62.94 | 97.70 | 0.00 | 0.000 | 0.000 |
| 10/31/1997 | 6.37 | 19.20 | 3.01 | | 63.14 | 98.29 | 0.00 | 0.000 | 0.000 |
| 11/30/1997 | 7.13 | 19.50 | 2.73 | | 63.36 | 98.88 | 0.00 | 0.000 | 0.000 |
| 12/31/1997 | 6.92 | 19.96 | 2.89 | | 63.57 | 99.50 | 0.00 | 0.000 | 0.000 |
| 1/31/1998 | 6.74 | 20.16 | 2.99 | | 63.78 | 100.12 | 0.00 | 0.000 | 0.000 |
| 2/28/1998 | 6.67 | 19.38 | 2.91 | | 63.97 | 100.67 | 0.00 | 0.000 | 0.000 |
| 3/31/1998 | 6.46 | 18.14 | 2.81 | | 64.17 | 101.23 | 0.00 | 0.000 | 0.000 |
| 4/30/1998 | 6.27 | 19.16 | 3.06 | | 64.35 | 101.80 | 0.00 | 0.000 | 0.000 |
| 5/31/1998 | 6.15 | 37.46 | 6.09 | | 64.55 | 102.96 | 0.00 | 0.000 | 0.000 |
| 6/30/1998 | 6.03 | 19.84 | 3.29 | | 64.73 | 103.56 | 0.00 | 0.000 | 0.000 |
| 7/31/1998 | 5.89 | 20.90 | 3.55 | | 64.91 | 104.21 | 0.00 | 0.000 | 0.000 |
| 8/31/1998 | 5.82 | 19.55 | 3.36 | | 65.09 | 104.81 | 0.00 | 0.000 | 0.000 |
| 9/30/1998 | 5.61 | 20.09 | 3.58 | | 65.26 | 105.42 | 0.00 | 0.000 | 0.000 |
| 10/31/1998 | 5.56 | 19.76 | 3.56 | | 65.43 | 106.03 | 0.00 | 0.000 | 0.000 |

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

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

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|-----------------------------|
| 11/30/2006 | 0.61 | 32.40 | 53.25 | 53.13 | 74.19 | 235.59 | 88.19 | 1.608 | 0.281 |
| 12/31/2006 | 0.66 | 34.02 | 51.31 | 54.19 | 74.21 | 236.65 | 89.87 | 1.561 | 0.286 |
| 1/31/2007 | 0.64 | 35.15 | 55.31 | 54.39 | 74.23 | 237.74 | 91.56 | 1.519 | 0.290 |
| 2/28/2007 | 0.61 | 34.46 | 56.27 | 48.57 | 74.25 | 238.70 | 92.92 | 1.384 | 0.293 |
| 3/31/2007 | 0.62 | 34.32 | 55.41 | 47.81 | 74.27 | 239.77 | 94.40 | 1.367 | 0.297 |
| 4/30/2007 | 0.61 | 34.32 | 55.96 | 51.37 | 74.29 | 240.80 | 95.94 | 1.469 | 0.301 |
| 5/31/2007 | 0.61 | 33.92 | 55.34 | 49.65 | 74.31 | 241.85 | 97.48 | 1.437 | 0.305 |
| 6/30/2007 | 0.61 | 32.95 | 53.87 | 48.77 | 74.32 | 242.84 | 98.94 | 1.452 | 0.308 |
| 7/31/2007 | 0.58 | 33.34 | 57.10 | 47.42 | 74.34 | 243.87 | 100.41 | 1.397 | 0.312 |
| 8/31/2007 | 0.60 | 33.88 | 56.02 | 50.77 | 74.36 | 244.92 | 101.99 | 1.471 | 0.316 |
| 9/30/2007 | 0.63 | 32.52 | 51.76 | 54.57 | 74.38 | 245.89 | 103.62 | 1.644 | 0.320 |
| 10/31/2007 | 0.59 | 31.11 | 52.70 | 49.39 | 74.40 | 246.86 | 105.16 | 1.556 | 0.324 |
| 11/30/2007 | 0.49 | 25.94 | 53.12 | 53.73 | 74.41 | 247.64 | 106.77 | 2.031 | 0.328 |
| 12/31/2007 | 0.36 | 20.02 | 56.16 | 49.13 | 74.42 | 248.26 | 108.29 | 2.409 | 0.332 |
| 1/31/2008 | 0.59 | 35.53 | 59.87 | 54.55 | 74.44 | 249.36 | 109.98 | 1.509 | 0.336 |
| 2/29/2008 | 0.66 | 33.95 | 51.28 | 53.24 | 74.46 | 250.34 | 111.53 | 1.537 | 0.339 |
| 3/31/2008 | 0.75 | 34.46 | 45.95 | 54.90 | 74.48 | 251.41 | 113.23 | 1.558 | 0.344 |
| 4/30/2008 | 0.74 | 34.51 | 46.43 | 57.77 | 74.51 | 252.45 | 114.96 | 1.637 | 0.348 |
| 5/31/2008 | 0.78 | 32.85 | 42.08 | 54.52 | 74.53 | 253.47 | 116.65 | 1.619 | 0.352 |
| 6/30/2008 | 0.77 | 30.67 | 39.92 | 55.40 | 74.55 | 254.39 | 118.31 | 1.760 | 0.356 |
| 7/31/2008 | 0.82 | 30.80 | 37.66 | 57.23 | 74.58 | 255.34 | 120.09 | 1.808 | 0.360 |
| 8/31/2008 | 0.78 | 31.02 | 39.91 | 52.19 | 74.60 | 256.30 | 121.70 | 1.639 | 0.364 |
| 9/30/2008 | 0.83 | 30.94 | 37.35 | 55.80 | 74.63 | 257.23 | 123.38 | 1.754 | 0.368 |
| 10/31/2008 | 0.85 | 30.57 | 36.10 | 50.23 | 74.65 | 258.18 | 124.94 | 1.597 | 0.371 |
| 11/30/2008 | 0.86 | 27.99 | 32.61 | 57.07 | 74.68 | 259.02 | 126.65 | 1.975 | 0.375 |
| 12/31/2008 | 0.74 | 24.81 | 33.44 | 41.65 | 74.70 | 259.79 | 127.94 | 1.627 | 0.378 |
| 1/31/2009 | 0.78 | 25.75 | 33.06 | 50.19 | 74.73 | 260.59 | 129.49 | 1.889 | 0.382 |
| 2/28/2009 | 0.79 | 25.91 | 32.75 | 52.75 | 74.75 | 261.31 | 130.97 | 1.973 | 0.385 |
| 3/31/2009 | 0.76 | 26.63 | 34.90 | 51.81 | 74.77 | 262.14 | 132.58 | 1.889 | 0.389 |
| 4/30/2009 | 0.79 | 26.55 | 33.46 | 53.17 | 74.80 | 262.93 | 134.17 | 1.942 | 0.393 |
| 5/31/2009 | 0.46 | 15.11 | 33.00 | 53.52 | 74.81 | 263.40 | 135.83 | 3.432 | 0.397 |
| 6/30/2009 | 0.20 | 7.48 | 36.47 | 53.13 | 74.82 | 263.63 | 137.43 | 6.908 | 0.402 |
| 7/31/2009 | 0.84 | 27.95 | 33.39 | 52.29 | 74.84 | 264.49 | 139.05 | 1.814 | 0.405 |
| 8/31/2009 | 0.80 | 27.65 | 34.56 | 53.23 | 74.87 | 265.35 | 140.70 | 1.868 | 0.409 |
| 9/30/2009 | 0.77 | 27.16 | 35.43 | 54.63 | 74.89 | 266.16 | 142.34 | 1.953 | 0.413 |
| 10/31/2009 | 0.66 | 27.08 | 40.85 | 52.97 | 74.91 | 267.00 | 143.98 | 1.907 | 0.417 |
| 11/30/2009 | 0.63 | 25.93 | 41.04 | 48.07 | 74.93 | 267.78 | 145.42 | 1.808 | 0.420 |
| 12/31/2009 | 0.64 | 27.26 | 42.79 | 48.68 | 74.95 | 268.63 | 146.93 | 1.743 | 0.423 |
| 1/31/2010 | 0.63 | 27.24 | 43.08 | 48.10 | 74.97 | 269.47 | 148.42 | 1.724 | 0.426 |
| 2/28/2010 | 0.62 | 26.12 | 41.91 | 48.89 | 74.99 | 270.20 | 149.79 | 1.826 | 0.429 |
| 3/31/2010 | 0.66 | 26.79 | 40.71 | 49.71 | 75.01 | 271.03 | 151.33 | 1.809 | 0.433 |
| 4/30/2010 | 0.64 | 26.64 | 41.95 | 52.00 | 75.03 | 271.83 | 152.89 | 1.904 | 0.436 |
| 5/31/2010 | 0.64 | 26.60 | 41.54 | 52.81 | 75.05 | 272.66 | 154.53 | 1.936 | 0.440 |
| 6/30/2010 | 0.61 | 25.01 | 40.78 | 49.17 | 75.07 | 273.41 | 156.00 | 1.916 | 0.443 |
| 7/31/2010 | 0.53 | 24.21 | 45.35 | 42.16 | 75.08 | 274.16 | 157.31 | 1.702 | 0.446 |
| 8/31/2010 | 0.80 | 29.53 | 37.14 | 46.74 | 75.11 | 275.07 | 158.76 | 1.539 | 0.449 |
| 9/30/2010 | 1.06 | 34.44 | 32.39 | 49.70 | 75.14 | 276.11 | 160.25 | 1.398 | 0.451 |
| 10/31/2010 | 1.05 | 33.04 | 31.37 | 50.90 | 75.17 | 277.13 | 161.83 | 1.491 | 0.454 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|-----------------------------|
| 11/30/2010 | 0.99 | 31.92 | 32.24 | 48.10 | 75.20 | 278.09 | 163.27 | 1.459 | 0.457 |
| 12/31/2010 | 0.99 | 31.66 | 31.92 | 47.13 | 75.23 | 279.07 | 164.73 | 1.441 | 0.460 |
| 1/31/2011 | 0.93 | 31.13 | 33.40 | 45.55 | 75.26 | 280.03 | 166.14 | 1.418 | 0.463 |
| 2/28/2011 | 0.96 | 31.56 | 32.85 | 47.04 | 75.29 | 280.92 | 167.46 | 1.444 | 0.465 |
| 3/31/2011 | 0.96 | 31.25 | 32.51 | 46.84 | 75.32 | 281.89 | 168.91 | 1.452 | 0.468 |
| 4/30/2011 | 0.60 | 20.41 | 34.02 | 23.50 | 75.34 | 282.50 | 169.62 | 1.117 | 0.469 |
| 5/31/2011 | 0.39 | 15.30 | 39.37 | 40.45 | 75.35 | 282.97 | 170.87 | 2.575 | 0.472 |
| 6/30/2011 | 0.96 | 34.60 | 36.05 | 44.97 | 75.38 | 284.01 | 172.22 | 1.263 | 0.474 |
| 7/31/2011 | 1.05 | 34.35 | 32.81 | 46.87 | 75.41 | 285.08 | 173.67 | 1.322 | 0.477 |
| 8/31/2011 | 0.91 | 31.10 | 34.01 | 40.74 | 75.44 | 286.04 | 174.94 | 1.271 | 0.479 |
| 9/30/2011 | 0.79 | 28.41 | 35.82 | 39.17 | 75.46 | 286.89 | 176.11 | 1.339 | 0.481 |
| 10/31/2011 | 0.92 | 32.52 | 35.19 | 44.10 | 75.49 | 287.90 | 177.48 | 1.317 | 0.483 |
| 11/30/2011 | 0.90 | 31.02 | 34.53 | 45.13 | 75.52 | 288.83 | 178.83 | 1.412 | 0.486 |
| 12/31/2011 | 0.83 | 29.21 | 35.16 | 45.16 | 75.54 | 289.74 | 180.23 | 1.501 | 0.488 |
| 1/31/2012 | 0.76 | 26.67 | 34.89 | 45.87 | 75.57 | 290.56 | 181.65 | 1.669 | 0.491 |
| 2/29/2012 | 0.69 | 24.88 | 35.81 | 45.90 | 75.59 | 291.29 | 182.98 | 1.792 | 0.494 |
| 3/31/2012 | 0.69 | 26.73 | 38.55 | 46.84 | 75.61 | 292.11 | 184.44 | 1.706 | 0.496 |
| 4/30/2012 | 0.72 | 26.98 | 37.64 | 48.30 | 75.63 | 292.92 | 185.88 | 1.742 | 0.499 |
| 5/31/2012 | 0.68 | 26.16 | 38.44 | 45.19 | 75.65 | 293.74 | 187.29 | 1.681 | 0.502 |
| 6/30/2012 | 0.72 | 28.34 | 39.19 | 42.93 | 75.67 | 294.59 | 188.57 | 1.475 | 0.504 |
| 7/31/2012 | 0.73 | 28.34 | 38.96 | 44.16 | 75.69 | 295.46 | 189.94 | 1.517 | 0.507 |
| 8/31/2012 | 0.71 | 27.98 | 39.34 | 44.58 | 75.72 | 296.33 | 191.32 | 1.552 | 0.509 |
| 9/30/2012 | 0.68 | 27.74 | 41.00 | 39.20 | 75.74 | 297.16 | 192.50 | 1.378 | 0.511 |
| 10/31/2012 | 0.68 | 27.89 | 41.17 | 38.74 | 75.76 | 298.03 | 193.70 | 1.354 | 0.513 |
| 11/30/2012 | 0.68 | 29.68 | 43.75 | 36.73 | 75.78 | 298.92 | 194.80 | 1.209 | 0.515 |
| 12/31/2012 | 0.64 | 29.37 | 45.64 | 36.42 | 75.80 | 299.83 | 195.93 | 1.212 | 0.516 |
| 1/31/2013 | 0.64 | 28.69 | 44.70 | 41.45 | 75.82 | 300.72 | 197.22 | 1.412 | 0.519 |
| 2/28/2013 | 0.66 | 28.44 | 43.16 | 42.96 | 75.84 | 301.52 | 198.42 | 1.475 | 0.521 |
| 3/31/2013 | 0.62 | 28.04 | 45.27 | 43.19 | 75.86 | 302.38 | 199.76 | 1.506 | 0.523 |
| 4/30/2013 | 0.64 | 28.85 | 45.31 | 42.67 | 75.87 | 303.25 | 201.04 | 1.445 | 0.525 |
| 5/31/2013 | 0.60 | 26.43 | 44.17 | 39.03 | 75.89 | 304.07 | 202.25 | 1.442 | 0.527 |
| 6/30/2013 | 0.65 | 27.72 | 42.65 | 33.17 | 75.91 | 304.90 | 203.25 | 1.168 | 0.528 |
| 7/31/2013 | 0.62 | 27.48 | 44.03 | 30.65 | 75.93 | 305.75 | 204.19 | 1.089 | 0.530 |
| 8/31/2013 | 0.58 | 26.71 | 46.13 | 31.23 | 75.95 | 306.58 | 205.16 | 1.143 | 0.531 |
| 9/30/2013 | 0.59 | 26.43 | 44.67 | 31.60 | 75.97 | 307.37 | 206.11 | 1.168 | 0.532 |
| 10/31/2013 | 0.57 | 25.80 | 44.93 | 28.58 | 75.99 | 308.17 | 207.00 | 1.083 | 0.534 |
| 11/30/2013 | 0.53 | 25.43 | 48.14 | 31.90 | 76.00 | 308.94 | 207.95 | 1.228 | 0.535 |
| 12/31/2013 | 0.58 | 26.68 | 46.21 | 28.39 | 76.02 | 309.76 | 208.83 | 1.040 | 0.536 |

Pattern: 06-17-006-22 Set: SourisHartneyUnit#1

Oil Formation Vol Factor : 1.05000 m3/m3

Water Formation Vol Factor : 1.00000 m3/m3

Water / Oil Ratio : 89.50 m3/m3

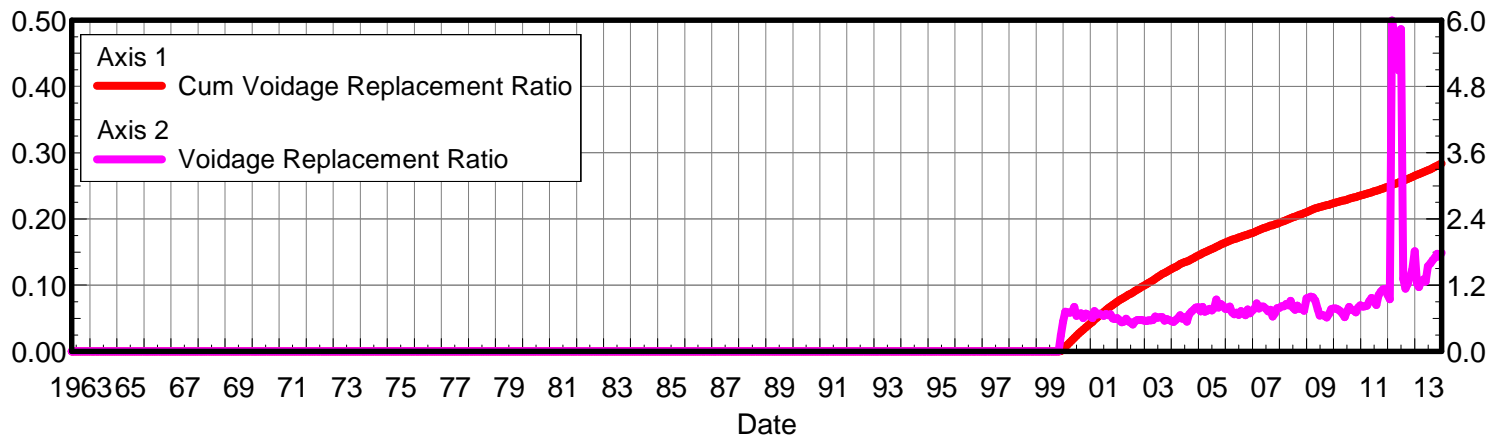
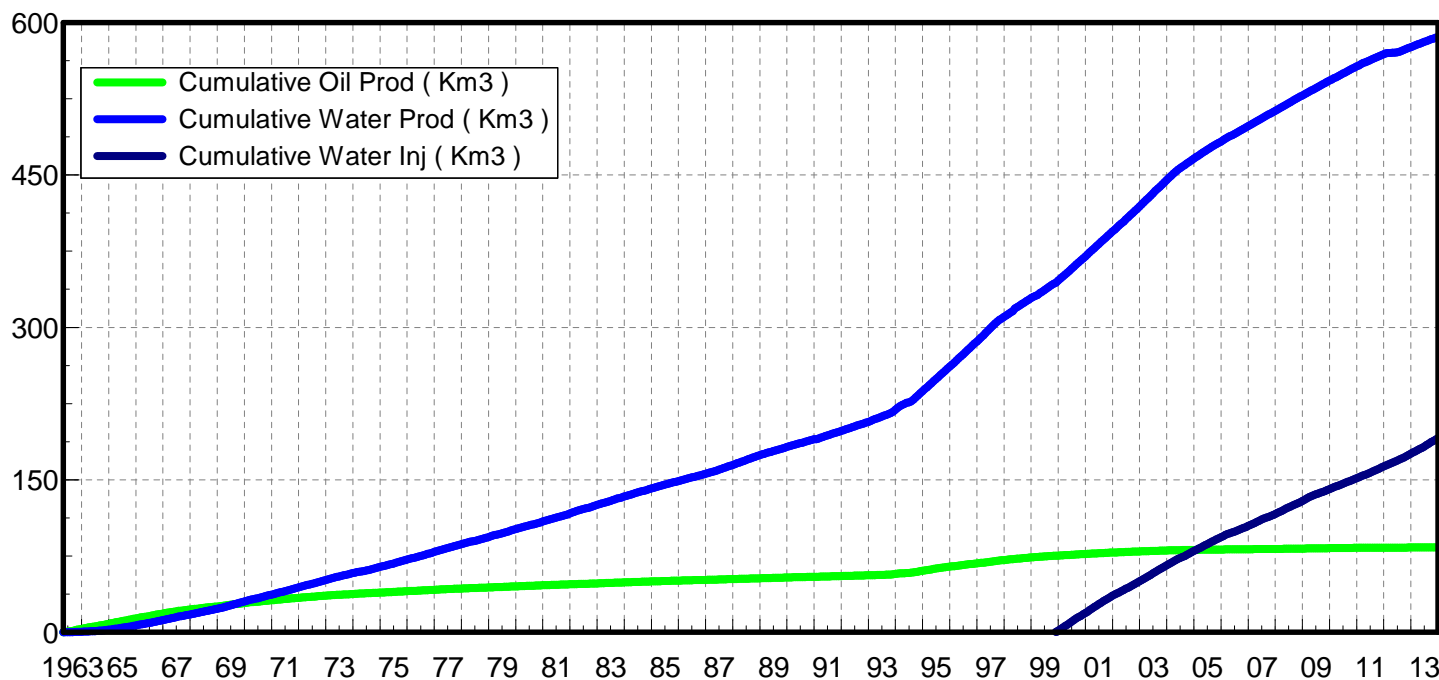
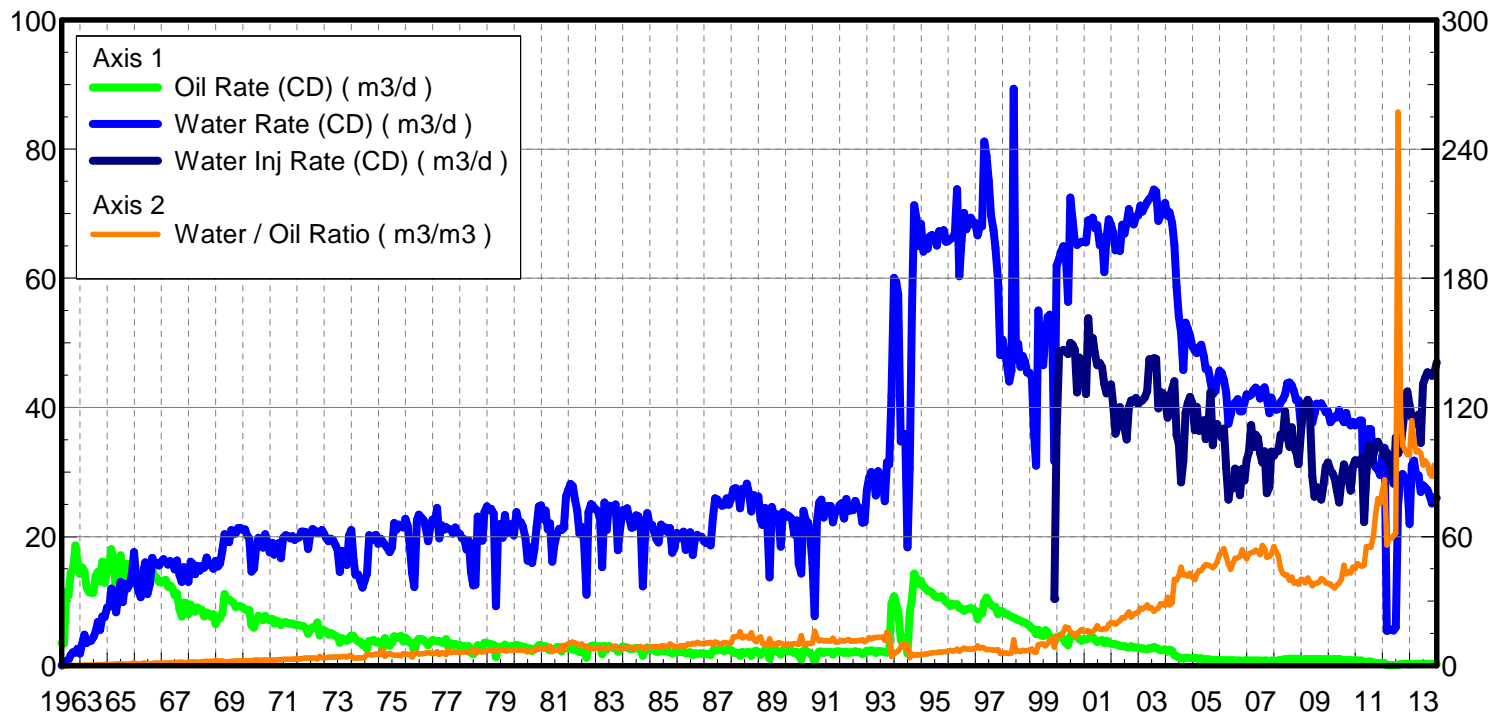
February 26, 2014

Operator: <Ambiguous>

Oil Rate (CD) : 0.29 m3/d

Water Rate (CD) : 25.98 m3/d

Water Inj Rate (CD) : 47.00 m3/d



| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemnt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|------------------------------|
| 4/30/1963 | 3.51 | 0.07 | 0.02 | | 0.11 | 0.00 | 0.00 | 0.000 | 0.000 |
| 5/31/1963 | 3.42 | 0.13 | 0.04 | | 0.21 | 0.01 | 0.00 | 0.000 | 0.000 |
| 6/30/1963 | 11.42 | 0.71 | 0.06 | | 0.55 | 0.03 | 0.00 | 0.000 | 0.000 |
| 7/31/1963 | 10.87 | 0.88 | 0.08 | | 0.89 | 0.05 | 0.00 | 0.000 | 0.000 |
| 8/31/1963 | 14.39 | 1.63 | 0.11 | | 1.34 | 0.11 | 0.00 | 0.000 | 0.000 |
| 9/30/1963 | 14.84 | 2.09 | 0.14 | | 1.78 | 0.17 | 0.00 | 0.000 | 0.000 |
| 10/31/1963 | 18.65 | 2.04 | 0.11 | | 2.36 | 0.23 | 0.00 | 0.000 | 0.000 |
| 11/30/1963 | 16.27 | 2.65 | 0.16 | | 2.85 | 0.31 | 0.00 | 0.000 | 0.000 |
| 12/31/1963 | 14.24 | 1.90 | 0.13 | | 3.29 | 0.37 | 0.00 | 0.000 | 0.000 |
| 1/31/1964 | 15.21 | 3.45 | 0.23 | | 3.76 | 0.48 | 0.00 | 0.000 | 0.000 |
| 2/29/1964 | 14.62 | 4.82 | 0.33 | | 4.19 | 0.62 | 0.00 | 0.000 | 0.000 |
| 3/31/1964 | 12.09 | 3.53 | 0.29 | | 4.56 | 0.73 | 0.00 | 0.000 | 0.000 |
| 4/30/1964 | 11.42 | 3.81 | 0.33 | | 4.90 | 0.84 | 0.00 | 0.000 | 0.000 |
| 5/31/1964 | 11.32 | 3.88 | 0.34 | | 5.25 | 0.96 | 0.00 | 0.000 | 0.000 |
| 6/30/1964 | 11.31 | 4.43 | 0.39 | | 5.59 | 1.09 | 0.00 | 0.000 | 0.000 |
| 7/31/1964 | 13.87 | 5.25 | 0.38 | | 6.02 | 1.26 | 0.00 | 0.000 | 0.000 |
| 8/31/1964 | 14.55 | 6.81 | 0.47 | | 6.47 | 1.47 | 0.00 | 0.000 | 0.000 |
| 9/30/1964 | 13.02 | 5.58 | 0.43 | | 6.86 | 1.63 | 0.00 | 0.000 | 0.000 |
| 10/31/1964 | 16.10 | 7.64 | 0.47 | | 7.36 | 1.87 | 0.00 | 0.000 | 0.000 |
| 11/30/1964 | 12.83 | 7.52 | 0.59 | | 7.75 | 2.10 | 0.00 | 0.000 | 0.000 |
| 12/31/1964 | 14.46 | 9.04 | 0.63 | | 8.20 | 2.38 | 0.00 | 0.000 | 0.000 |
| 1/31/1965 | 16.05 | 9.12 | 0.57 | | 8.69 | 2.66 | 0.00 | 0.000 | 0.000 |
| 2/28/1965 | 18.04 | 11.94 | 0.66 | | 9.20 | 2.99 | 0.00 | 0.000 | 0.000 |
| 3/31/1965 | 16.39 | 11.46 | 0.70 | | 9.71 | 3.35 | 0.00 | 0.000 | 0.000 |
| 4/30/1965 | 10.74 | 8.29 | 0.77 | | 10.03 | 3.60 | 0.00 | 0.000 | 0.000 |
| 5/31/1965 | 12.67 | 10.82 | 0.85 | | 10.42 | 3.93 | 0.00 | 0.000 | 0.000 |
| 6/30/1965 | 17.13 | 12.98 | 0.76 | | 10.94 | 4.32 | 0.00 | 0.000 | 0.000 |
| 7/31/1965 | 12.36 | 9.87 | 0.80 | | 11.32 | 4.63 | 0.00 | 0.000 | 0.000 |
| 8/31/1965 | 15.35 | 12.65 | 0.82 | | 11.80 | 5.02 | 0.00 | 0.000 | 0.000 |
| 9/30/1965 | 15.78 | 11.93 | 0.76 | | 12.27 | 5.38 | 0.00 | 0.000 | 0.000 |
| 10/31/1965 | 15.16 | 12.59 | 0.83 | | 12.74 | 5.77 | 0.00 | 0.000 | 0.000 |
| 11/30/1965 | 14.01 | 14.06 | 1.00 | | 13.16 | 6.19 | 0.00 | 0.000 | 0.000 |
| 12/31/1965 | 13.58 | 17.58 | 1.29 | | 13.58 | 6.74 | 0.00 | 0.000 | 0.000 |
| 1/31/1966 | 13.68 | 12.75 | 0.93 | | 14.00 | 7.13 | 0.00 | 0.000 | 0.000 |
| 2/28/1966 | 12.20 | 11.51 | 0.94 | | 14.35 | 7.45 | 0.00 | 0.000 | 0.000 |
| 3/31/1966 | 11.58 | 10.61 | 0.92 | | 14.71 | 7.78 | 0.00 | 0.000 | 0.000 |
| 4/30/1966 | 12.12 | 14.47 | 1.19 | | 15.07 | 8.22 | 0.00 | 0.000 | 0.000 |
| 5/31/1966 | 13.67 | 15.99 | 1.17 | | 15.49 | 8.71 | 0.00 | 0.000 | 0.000 |
| 6/30/1966 | 12.84 | 11.13 | 0.87 | | 15.88 | 9.05 | 0.00 | 0.000 | 0.000 |
| 7/31/1966 | 13.36 | 12.79 | 0.96 | | 16.29 | 9.44 | 0.00 | 0.000 | 0.000 |
| 8/31/1966 | 15.02 | 16.72 | 1.11 | | 16.76 | 9.96 | 0.00 | 0.000 | 0.000 |
| 9/30/1966 | 13.89 | 15.82 | 1.14 | | 17.17 | 10.44 | 0.00 | 0.000 | 0.000 |
| 10/31/1966 | 13.54 | 15.89 | 1.17 | | 17.59 | 10.93 | 0.00 | 0.000 | 0.000 |
| 11/30/1966 | 12.98 | 15.51 | 1.19 | | 17.98 | 11.39 | 0.00 | 0.000 | 0.000 |
| 12/31/1966 | 12.87 | 16.11 | 1.25 | | 18.38 | 11.89 | 0.00 | 0.000 | 0.000 |
| 1/31/1967 | 13.20 | 16.50 | 1.25 | | 18.79 | 12.40 | 0.00 | 0.000 | 0.000 |
| 2/28/1967 | 13.31 | 16.10 | 1.21 | | 19.16 | 12.86 | 0.00 | 0.000 | 0.000 |
| 3/31/1967 | 12.24 | 15.67 | 1.28 | | 19.54 | 13.34 | 0.00 | 0.000 | 0.000 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|-----------------------------|
| 4/30/1967 | 12.45 | 16.22 | 1.30 | | 19.92 | 13.83 | 0.00 | 0.000 | 0.000 |
| 5/31/1967 | 11.98 | 15.91 | 1.33 | | 20.29 | 14.32 | 0.00 | 0.000 | 0.000 |
| 6/30/1967 | 10.90 | 14.94 | 1.37 | | 20.62 | 14.77 | 0.00 | 0.000 | 0.000 |
| 7/31/1967 | 11.20 | 16.31 | 1.46 | | 20.96 | 15.27 | 0.00 | 0.000 | 0.000 |
| 8/31/1967 | 8.75 | 14.08 | 1.61 | | 21.23 | 15.71 | 0.00 | 0.000 | 0.000 |
| 9/30/1967 | 7.64 | 12.97 | 1.70 | | 21.46 | 16.10 | 0.00 | 0.000 | 0.000 |
| 10/31/1967 | 9.79 | 15.29 | 1.56 | | 21.77 | 16.57 | 0.00 | 0.000 | 0.000 |
| 11/30/1967 | 9.70 | 14.89 | 1.54 | | 22.06 | 17.02 | 0.00 | 0.000 | 0.000 |
| 12/31/1967 | 7.99 | 12.98 | 1.62 | | 22.31 | 17.42 | 0.00 | 0.000 | 0.000 |
| 1/31/1968 | 9.46 | 16.09 | 1.70 | | 22.60 | 17.92 | 0.00 | 0.000 | 0.000 |
| 2/29/1968 | 8.82 | 15.77 | 1.79 | | 22.85 | 18.38 | 0.00 | 0.000 | 0.000 |
| 3/31/1968 | 8.36 | 14.17 | 1.69 | | 23.11 | 18.82 | 0.00 | 0.000 | 0.000 |
| 4/30/1968 | 9.03 | 15.45 | 1.71 | | 23.39 | 19.28 | 0.00 | 0.000 | 0.000 |
| 5/31/1968 | 8.75 | 14.72 | 1.68 | | 23.66 | 19.74 | 0.00 | 0.000 | 0.000 |
| 6/30/1968 | 8.68 | 15.45 | 1.78 | | 23.92 | 20.20 | 0.00 | 0.000 | 0.000 |
| 7/31/1968 | 7.64 | 15.15 | 1.98 | | 24.15 | 20.67 | 0.00 | 0.000 | 0.000 |
| 8/31/1968 | 8.23 | 16.74 | 2.03 | | 24.41 | 21.19 | 0.00 | 0.000 | 0.000 |
| 9/30/1968 | 8.06 | 15.71 | 1.95 | | 24.65 | 21.66 | 0.00 | 0.000 | 0.000 |
| 10/31/1968 | 7.61 | 15.51 | 2.04 | | 24.89 | 22.14 | 0.00 | 0.000 | 0.000 |
| 11/30/1968 | 7.98 | 15.02 | 1.88 | | 25.13 | 22.59 | 0.00 | 0.000 | 0.000 |
| 12/31/1968 | 6.46 | 16.26 | 2.52 | | 25.33 | 23.10 | 0.00 | 0.000 | 0.000 |
| 1/31/1969 | 7.17 | 15.35 | 2.14 | | 25.55 | 23.57 | 0.00 | 0.000 | 0.000 |
| 2/28/1969 | 7.47 | 15.85 | 2.12 | | 25.76 | 24.02 | 0.00 | 0.000 | 0.000 |
| 3/31/1969 | 8.10 | 17.85 | 2.20 | | 26.01 | 24.57 | 0.00 | 0.000 | 0.000 |
| 4/30/1969 | 11.10 | 20.39 | 1.84 | | 26.34 | 25.18 | 0.00 | 0.000 | 0.000 |
| 5/31/1969 | 10.20 | 19.31 | 1.89 | | 26.66 | 25.78 | 0.00 | 0.000 | 0.000 |
| 6/30/1969 | 10.26 | 19.15 | 1.87 | | 26.97 | 26.36 | 0.00 | 0.000 | 0.000 |
| 7/31/1969 | 10.03 | 21.00 | 2.09 | | 27.28 | 27.01 | 0.00 | 0.000 | 0.000 |
| 8/31/1969 | 9.71 | 20.39 | 2.10 | | 27.58 | 27.64 | 0.00 | 0.000 | 0.000 |
| 9/30/1969 | 9.09 | 20.51 | 2.26 | | 27.85 | 28.25 | 0.00 | 0.000 | 0.000 |
| 10/31/1969 | 9.26 | 21.31 | 2.30 | | 28.14 | 28.91 | 0.00 | 0.000 | 0.000 |
| 11/30/1969 | 9.24 | 21.32 | 2.31 | | 28.42 | 29.55 | 0.00 | 0.000 | 0.000 |
| 12/31/1969 | 9.05 | 21.04 | 2.33 | | 28.70 | 30.21 | 0.00 | 0.000 | 0.000 |
| 1/31/1970 | 8.73 | 21.14 | 2.42 | | 28.97 | 30.86 | 0.00 | 0.000 | 0.000 |
| 2/28/1970 | 8.56 | 20.24 | 2.36 | | 29.21 | 31.43 | 0.00 | 0.000 | 0.000 |
| 3/31/1970 | 8.65 | 19.74 | 2.28 | | 29.47 | 32.04 | 0.00 | 0.000 | 0.000 |
| 4/30/1970 | 6.27 | 14.59 | 2.33 | | 29.66 | 32.48 | 0.00 | 0.000 | 0.000 |
| 5/31/1970 | 5.92 | 15.02 | 2.54 | | 29.85 | 32.94 | 0.00 | 0.000 | 0.000 |
| 6/30/1970 | 6.97 | 18.44 | 2.64 | | 30.05 | 33.50 | 0.00 | 0.000 | 0.000 |
| 7/31/1970 | 7.75 | 19.82 | 2.56 | | 30.30 | 34.11 | 0.00 | 0.000 | 0.000 |
| 8/31/1970 | 7.51 | 19.33 | 2.57 | | 30.53 | 34.71 | 0.00 | 0.000 | 0.000 |
| 9/30/1970 | 7.06 | 18.27 | 2.59 | | 30.74 | 35.26 | 0.00 | 0.000 | 0.000 |
| 10/31/1970 | 7.75 | 20.37 | 2.63 | | 30.98 | 35.89 | 0.00 | 0.000 | 0.000 |
| 11/30/1970 | 7.19 | 18.82 | 2.62 | | 31.20 | 36.45 | 0.00 | 0.000 | 0.000 |
| 12/31/1970 | 7.03 | 17.54 | 2.49 | | 31.41 | 37.00 | 0.00 | 0.000 | 0.000 |
| 1/31/1971 | 7.23 | 19.05 | 2.64 | | 31.64 | 37.59 | 0.00 | 0.000 | 0.000 |
| 2/28/1971 | 6.57 | 17.21 | 2.62 | | 31.82 | 38.07 | 0.00 | 0.000 | 0.000 |
| 3/31/1971 | 7.01 | 18.75 | 2.68 | | 32.04 | 38.65 | 0.00 | 0.000 | 0.000 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|-----------------------------|
| 4/30/1971 | 6.80 | 19.01 | 2.80 | | 32.24 | 39.22 | 0.00 | 0.000 | 0.000 |
| 5/31/1971 | 6.28 | 16.67 | 2.65 | | 32.44 | 39.74 | 0.00 | 0.000 | 0.000 |
| 6/30/1971 | 6.69 | 19.83 | 2.96 | | 32.64 | 40.33 | 0.00 | 0.000 | 0.000 |
| 7/31/1971 | 6.75 | 20.24 | 3.00 | | 32.85 | 40.96 | 0.00 | 0.000 | 0.000 |
| 8/31/1971 | 6.59 | 20.08 | 3.05 | | 33.05 | 41.58 | 0.00 | 0.000 | 0.000 |
| 9/30/1971 | 6.49 | 19.74 | 3.04 | | 33.25 | 42.18 | 0.00 | 0.000 | 0.000 |
| 10/31/1971 | 6.55 | 20.09 | 3.07 | | 33.45 | 42.80 | 0.00 | 0.000 | 0.000 |
| 11/30/1971 | 6.34 | 19.50 | 3.08 | | 33.64 | 43.38 | 0.00 | 0.000 | 0.000 |
| 12/31/1971 | 6.35 | 19.76 | 3.11 | | 33.84 | 44.00 | 0.00 | 0.000 | 0.000 |
| 1/31/1972 | 6.25 | 19.87 | 3.18 | | 34.03 | 44.61 | 0.00 | 0.000 | 0.000 |
| 2/29/1972 | 6.20 | 20.75 | 3.35 | | 34.21 | 45.21 | 0.00 | 0.000 | 0.000 |
| 3/31/1972 | 6.13 | 20.77 | 3.39 | | 34.40 | 45.86 | 0.00 | 0.000 | 0.000 |
| 4/30/1972 | 5.80 | 20.65 | 3.56 | | 34.57 | 46.48 | 0.00 | 0.000 | 0.000 |
| 5/31/1972 | 4.99 | 18.08 | 3.63 | | 34.73 | 47.04 | 0.00 | 0.000 | 0.000 |
| 6/30/1972 | 5.74 | 20.39 | 3.55 | | 34.90 | 47.65 | 0.00 | 0.000 | 0.000 |
| 7/31/1972 | 5.97 | 21.17 | 3.54 | | 35.09 | 48.31 | 0.00 | 0.000 | 0.000 |
| 8/31/1972 | 5.85 | 20.92 | 3.58 | | 35.27 | 48.95 | 0.00 | 0.000 | 0.000 |
| 9/30/1972 | 6.69 | 20.54 | 3.07 | | 35.47 | 49.57 | 0.00 | 0.000 | 0.000 |
| 10/31/1972 | 4.71 | 20.50 | 4.35 | | 35.61 | 50.21 | 0.00 | 0.000 | 0.000 |
| 11/30/1972 | 5.60 | 21.03 | 3.75 | | 35.78 | 50.84 | 0.00 | 0.000 | 0.000 |
| 12/31/1972 | 5.50 | 20.41 | 3.71 | | 35.95 | 51.47 | 0.00 | 0.000 | 0.000 |
| 1/31/1973 | 5.27 | 19.73 | 3.74 | | 36.12 | 52.08 | 0.00 | 0.000 | 0.000 |
| 2/28/1973 | 4.80 | 19.29 | 4.02 | | 36.25 | 52.62 | 0.00 | 0.000 | 0.000 |
| 3/31/1973 | 5.04 | 19.68 | 3.91 | | 36.41 | 53.23 | 0.00 | 0.000 | 0.000 |
| 4/30/1973 | 4.86 | 19.43 | 4.00 | | 36.55 | 53.81 | 0.00 | 0.000 | 0.000 |
| 5/31/1973 | 4.66 | 18.75 | 4.02 | | 36.70 | 54.40 | 0.00 | 0.000 | 0.000 |
| 6/30/1973 | 4.47 | 17.92 | 4.01 | | 36.83 | 54.93 | 0.00 | 0.000 | 0.000 |
| 7/31/1973 | 3.57 | 14.53 | 4.07 | | 36.94 | 55.38 | 0.00 | 0.000 | 0.000 |
| 8/31/1973 | 4.25 | 17.78 | 4.19 | | 37.07 | 55.93 | 0.00 | 0.000 | 0.000 |
| 9/30/1973 | 4.03 | 17.18 | 4.27 | | 37.19 | 56.45 | 0.00 | 0.000 | 0.000 |
| 10/31/1973 | 3.88 | 15.61 | 4.02 | | 37.31 | 56.93 | 0.00 | 0.000 | 0.000 |
| 11/30/1973 | 4.32 | 20.19 | 4.67 | | 37.44 | 57.54 | 0.00 | 0.000 | 0.000 |
| 12/31/1973 | 4.67 | 21.00 | 4.50 | | 37.59 | 58.19 | 0.00 | 0.000 | 0.000 |
| 1/31/1974 | 4.63 | 16.36 | 3.53 | | 37.73 | 58.70 | 0.00 | 0.000 | 0.000 |
| 2/28/1974 | 4.13 | 14.06 | 3.41 | | 37.85 | 59.09 | 0.00 | 0.000 | 0.000 |
| 3/31/1974 | 3.80 | 14.14 | 3.72 | | 37.97 | 59.53 | 0.00 | 0.000 | 0.000 |
| 4/30/1974 | 3.74 | 13.18 | 3.52 | | 38.08 | 59.92 | 0.00 | 0.000 | 0.000 |
| 5/31/1974 | 3.25 | 12.12 | 3.73 | | 38.18 | 60.30 | 0.00 | 0.000 | 0.000 |
| 6/30/1974 | 3.37 | 13.23 | 3.92 | | 38.28 | 60.70 | 0.00 | 0.000 | 0.000 |
| 7/31/1974 | 2.64 | 14.27 | 5.41 | | 38.36 | 61.14 | 0.00 | 0.000 | 0.000 |
| 8/31/1974 | 3.82 | 20.23 | 5.29 | | 38.48 | 61.77 | 0.00 | 0.000 | 0.000 |
| 9/30/1974 | 3.86 | 19.45 | 5.04 | | 38.60 | 62.35 | 0.00 | 0.000 | 0.000 |
| 10/31/1974 | 3.97 | 20.10 | 5.06 | | 38.72 | 62.97 | 0.00 | 0.000 | 0.000 |
| 11/30/1974 | 3.65 | 20.28 | 5.56 | | 38.83 | 63.58 | 0.00 | 0.000 | 0.000 |
| 12/31/1974 | 3.64 | 18.88 | 5.19 | | 38.94 | 64.17 | 0.00 | 0.000 | 0.000 |
| 1/31/1975 | 3.72 | 19.66 | 5.28 | | 39.06 | 64.78 | 0.00 | 0.000 | 0.000 |
| 2/28/1975 | 2.61 | 19.21 | 7.36 | | 39.13 | 65.31 | 0.00 | 0.000 | 0.000 |
| 3/31/1975 | 4.27 | 18.76 | 4.39 | | 39.26 | 65.90 | 0.00 | 0.000 | 0.000 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|-----------------------------|
| 4/30/1975 | 3.40 | 18.29 | 5.38 | | 39.36 | 66.44 | 0.00 | 0.000 | 0.000 |
| 5/31/1975 | 3.13 | 17.58 | 5.61 | | 39.46 | 66.99 | 0.00 | 0.000 | 0.000 |
| 6/30/1975 | 3.54 | 18.29 | 5.16 | | 39.57 | 67.54 | 0.00 | 0.000 | 0.000 |
| 7/31/1975 | 4.55 | 22.10 | 4.85 | | 39.71 | 68.22 | 0.00 | 0.000 | 0.000 |
| 8/31/1975 | 4.30 | 21.06 | 4.90 | | 39.84 | 68.88 | 0.00 | 0.000 | 0.000 |
| 9/30/1975 | 4.43 | 21.84 | 4.93 | | 39.97 | 69.53 | 0.00 | 0.000 | 0.000 |
| 10/31/1975 | 4.63 | 21.60 | 4.67 | | 40.12 | 70.20 | 0.00 | 0.000 | 0.000 |
| 11/30/1975 | 3.75 | 21.39 | 5.70 | | 40.23 | 70.84 | 0.00 | 0.000 | 0.000 |
| 12/31/1975 | 4.35 | 22.73 | 5.22 | | 40.37 | 71.55 | 0.00 | 0.000 | 0.000 |
| 1/31/1976 | 4.03 | 21.66 | 5.38 | | 40.49 | 72.22 | 0.00 | 0.000 | 0.000 |
| 2/29/1976 | 3.58 | 18.37 | 5.13 | | 40.59 | 72.75 | 0.00 | 0.000 | 0.000 |
| 3/31/1976 | 3.54 | 14.30 | 4.04 | | 40.70 | 73.20 | 0.00 | 0.000 | 0.000 |
| 4/30/1976 | 1.98 | 12.19 | 6.16 | | 40.76 | 73.56 | 0.00 | 0.000 | 0.000 |
| 5/31/1976 | 3.81 | 22.54 | 5.92 | | 40.88 | 74.26 | 0.00 | 0.000 | 0.000 |
| 6/30/1976 | 4.18 | 23.37 | 5.60 | | 41.01 | 74.96 | 0.00 | 0.000 | 0.000 |
| 7/31/1976 | 4.11 | 22.96 | 5.58 | | 41.13 | 75.67 | 0.00 | 0.000 | 0.000 |
| 8/31/1976 | 3.99 | 22.54 | 5.65 | | 41.26 | 76.37 | 0.00 | 0.000 | 0.000 |
| 9/30/1976 | 3.69 | 21.25 | 5.75 | | 41.37 | 77.01 | 0.00 | 0.000 | 0.000 |
| 10/31/1976 | 3.18 | 19.30 | 6.06 | | 41.47 | 77.61 | 0.00 | 0.000 | 0.000 |
| 11/30/1976 | 3.63 | 21.46 | 5.91 | | 41.58 | 78.25 | 0.00 | 0.000 | 0.000 |
| 12/31/1976 | 3.96 | 22.64 | 5.72 | | 41.70 | 78.95 | 0.00 | 0.000 | 0.000 |
| 1/31/1977 | 3.85 | 22.08 | 5.73 | | 41.82 | 79.64 | 0.00 | 0.000 | 0.000 |
| 2/28/1977 | 3.75 | 24.42 | 6.51 | | 41.92 | 80.32 | 0.00 | 0.000 | 0.000 |
| 3/31/1977 | 3.82 | 19.75 | 5.17 | | 42.04 | 80.93 | 0.00 | 0.000 | 0.000 |
| 4/30/1977 | 3.61 | 21.77 | 6.04 | | 42.15 | 81.59 | 0.00 | 0.000 | 0.000 |
| 5/31/1977 | 3.54 | 21.08 | 5.96 | | 42.26 | 82.24 | 0.00 | 0.000 | 0.000 |
| 6/30/1977 | 4.14 | 21.45 | 5.18 | | 42.38 | 82.88 | 0.00 | 0.000 | 0.000 |
| 7/31/1977 | 2.93 | 21.21 | 7.23 | | 42.47 | 83.54 | 0.00 | 0.000 | 0.000 |
| 8/31/1977 | 3.46 | 21.08 | 6.09 | | 42.58 | 84.19 | 0.00 | 0.000 | 0.000 |
| 9/30/1977 | 3.25 | 20.48 | 6.30 | | 42.68 | 84.81 | 0.00 | 0.000 | 0.000 |
| 10/31/1977 | 3.37 | 21.42 | 6.35 | | 42.78 | 85.47 | 0.00 | 0.000 | 0.000 |
| 11/30/1977 | 3.22 | 20.63 | 6.41 | | 42.88 | 86.09 | 0.00 | 0.000 | 0.000 |
| 12/31/1977 | 3.25 | 20.40 | 6.29 | | 42.98 | 86.72 | 0.00 | 0.000 | 0.000 |
| 1/31/1978 | 3.05 | 19.71 | 6.46 | | 43.08 | 87.34 | 0.00 | 0.000 | 0.000 |
| 2/28/1978 | 3.09 | 19.59 | 6.35 | | 43.16 | 87.88 | 0.00 | 0.000 | 0.000 |
| 3/31/1978 | 2.83 | 17.98 | 6.36 | | 43.25 | 88.44 | 0.00 | 0.000 | 0.000 |
| 4/30/1978 | 3.01 | 19.38 | 6.45 | | 43.34 | 89.02 | 0.00 | 0.000 | 0.000 |
| 5/31/1978 | 2.05 | 14.52 | 7.08 | | 43.40 | 89.47 | 0.00 | 0.000 | 0.000 |
| 6/30/1978 | 1.77 | 12.43 | 7.01 | | 43.46 | 89.85 | 0.00 | 0.000 | 0.000 |
| 7/31/1978 | 2.20 | 12.54 | 5.71 | | 43.53 | 90.23 | 0.00 | 0.000 | 0.000 |
| 8/31/1978 | 3.16 | 23.12 | 7.30 | | 43.62 | 90.95 | 0.00 | 0.000 | 0.000 |
| 9/30/1978 | 3.03 | 19.38 | 6.40 | | 43.71 | 91.53 | 0.00 | 0.000 | 0.000 |
| 10/31/1978 | 2.93 | 19.37 | 6.61 | | 43.80 | 92.13 | 0.00 | 0.000 | 0.000 |
| 11/30/1978 | 3.60 | 23.80 | 6.62 | | 43.91 | 92.85 | 0.00 | 0.000 | 0.000 |
| 12/31/1978 | 3.51 | 24.66 | 7.02 | | 44.02 | 93.61 | 0.00 | 0.000 | 0.000 |
| 1/31/1979 | 3.40 | 24.10 | 7.09 | | 44.13 | 94.36 | 0.00 | 0.000 | 0.000 |
| 2/28/1979 | 3.34 | 24.29 | 7.28 | | 44.22 | 95.04 | 0.00 | 0.000 | 0.000 |
| 3/31/1979 | 3.23 | 23.55 | 7.30 | | 44.32 | 95.77 | 0.00 | 0.000 | 0.000 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|-----------------------------|
| 4/30/1979 | 1.34 | 9.22 | 6.86 | | 44.36 | 96.05 | 0.00 | 0.000 | 0.000 |
| 5/31/1979 | 2.95 | 21.67 | 7.34 | | 44.45 | 96.72 | 0.00 | 0.000 | 0.000 |
| 6/30/1979 | 2.94 | 21.93 | 7.45 | | 44.54 | 97.37 | 0.00 | 0.000 | 0.000 |
| 7/31/1979 | 2.76 | 19.83 | 7.19 | | 44.63 | 97.99 | 0.00 | 0.000 | 0.000 |
| 8/31/1979 | 3.30 | 23.36 | 7.09 | | 44.73 | 98.71 | 0.00 | 0.000 | 0.000 |
| 9/30/1979 | 2.99 | 20.50 | 6.86 | | 44.82 | 99.33 | 0.00 | 0.000 | 0.000 |
| 10/31/1979 | 2.90 | 21.67 | 7.48 | | 44.91 | 100.00 | 0.00 | 0.000 | 0.000 |
| 11/30/1979 | 3.06 | 21.95 | 7.18 | | 45.00 | 100.66 | 0.00 | 0.000 | 0.000 |
| 12/31/1979 | 2.79 | 20.20 | 7.24 | | 45.09 | 101.29 | 0.00 | 0.000 | 0.000 |
| 1/31/1980 | 3.22 | 23.80 | 7.39 | | 45.19 | 102.02 | 0.00 | 0.000 | 0.000 |
| 2/29/1980 | 3.11 | 22.45 | 7.23 | | 45.28 | 102.67 | 0.00 | 0.000 | 0.000 |
| 3/31/1980 | 3.03 | 22.19 | 7.33 | | 45.37 | 103.36 | 0.00 | 0.000 | 0.000 |
| 4/30/1980 | 2.93 | 21.54 | 7.36 | | 45.46 | 104.01 | 0.00 | 0.000 | 0.000 |
| 5/31/1980 | 2.87 | 19.81 | 6.91 | | 45.55 | 104.62 | 0.00 | 0.000 | 0.000 |
| 6/30/1980 | 2.55 | 16.24 | 6.37 | | 45.62 | 105.11 | 0.00 | 0.000 | 0.000 |
| 7/31/1980 | 2.67 | 18.33 | 6.87 | | 45.71 | 105.68 | 0.00 | 0.000 | 0.000 |
| 8/31/1980 | 2.31 | 15.94 | 6.91 | | 45.78 | 106.17 | 0.00 | 0.000 | 0.000 |
| 9/30/1980 | 2.64 | 18.04 | 6.84 | | 45.86 | 106.71 | 0.00 | 0.000 | 0.000 |
| 10/31/1980 | 2.73 | 21.44 | 7.85 | | 45.94 | 107.38 | 0.00 | 0.000 | 0.000 |
| 11/30/1980 | 3.20 | 24.67 | 7.70 | | 46.04 | 108.12 | 0.00 | 0.000 | 0.000 |
| 12/31/1980 | 3.16 | 24.84 | 7.85 | | 46.14 | 108.89 | 0.00 | 0.000 | 0.000 |
| 1/31/1981 | 2.87 | 22.65 | 7.90 | | 46.22 | 109.59 | 0.00 | 0.000 | 0.000 |
| 2/28/1981 | 3.02 | 24.04 | 7.96 | | 46.31 | 110.26 | 0.00 | 0.000 | 0.000 |
| 3/31/1981 | 2.64 | 21.10 | 8.00 | | 46.39 | 110.92 | 0.00 | 0.000 | 0.000 |
| 4/30/1981 | 2.41 | 22.03 | 9.14 | | 46.46 | 111.58 | 0.00 | 0.000 | 0.000 |
| 5/31/1981 | 2.47 | 16.10 | 6.51 | | 46.54 | 112.08 | 0.00 | 0.000 | 0.000 |
| 6/30/1981 | 2.53 | 18.87 | 7.45 | | 46.62 | 112.64 | 0.00 | 0.000 | 0.000 |
| 7/31/1981 | 2.88 | 20.48 | 7.11 | | 46.70 | 113.28 | 0.00 | 0.000 | 0.000 |
| 8/31/1981 | 2.89 | 21.23 | 7.35 | | 46.79 | 113.94 | 0.00 | 0.000 | 0.000 |
| 9/30/1981 | 2.24 | 21.00 | 9.39 | | 46.86 | 114.57 | 0.00 | 0.000 | 0.000 |
| 10/31/1981 | 2.94 | 21.32 | 7.26 | | 46.95 | 115.23 | 0.00 | 0.000 | 0.000 |
| 11/30/1981 | 2.72 | 26.23 | 9.64 | | 47.03 | 116.01 | 0.00 | 0.000 | 0.000 |
| 12/31/1981 | 2.70 | 27.23 | 10.10 | | 47.12 | 116.86 | 0.00 | 0.000 | 0.000 |
| 1/31/1982 | 2.62 | 28.13 | 10.73 | | 47.20 | 117.73 | 0.00 | 0.000 | 0.000 |
| 2/28/1982 | 2.52 | 27.82 | 11.03 | | 47.27 | 118.51 | 0.00 | 0.000 | 0.000 |
| 3/31/1982 | 2.45 | 25.71 | 10.51 | | 47.35 | 119.31 | 0.00 | 0.000 | 0.000 |
| 4/30/1982 | 2.36 | 24.00 | 10.17 | | 47.42 | 120.03 | 0.00 | 0.000 | 0.000 |
| 5/31/1982 | 2.13 | 20.42 | 9.59 | | 47.48 | 120.66 | 0.00 | 0.000 | 0.000 |
| 6/30/1982 | 2.13 | 21.53 | 10.11 | | 47.55 | 121.31 | 0.00 | 0.000 | 0.000 |
| 7/31/1982 | 2.13 | 19.39 | 9.12 | | 47.61 | 121.91 | 0.00 | 0.000 | 0.000 |
| 8/31/1982 | 1.23 | 11.03 | 8.95 | | 47.65 | 122.25 | 0.00 | 0.000 | 0.000 |
| 9/30/1982 | 2.83 | 23.73 | 8.38 | | 47.74 | 122.96 | 0.00 | 0.000 | 0.000 |
| 10/31/1982 | 3.05 | 25.03 | 8.20 | | 47.83 | 123.74 | 0.00 | 0.000 | 0.000 |
| 11/30/1982 | 3.15 | 24.70 | 7.84 | | 47.92 | 124.48 | 0.00 | 0.000 | 0.000 |
| 12/31/1982 | 3.01 | 24.23 | 8.05 | | 48.02 | 125.23 | 0.00 | 0.000 | 0.000 |
| 1/31/1983 | 2.94 | 23.97 | 8.15 | | 48.11 | 125.97 | 0.00 | 0.000 | 0.000 |
| 2/28/1983 | 3.01 | 22.86 | 7.60 | | 48.19 | 126.61 | 0.00 | 0.000 | 0.000 |
| 3/31/1983 | 1.78 | 15.29 | 8.60 | | 48.25 | 127.09 | 0.00 | 0.000 | 0.000 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|-----------------------------|
| 4/30/1983 | 3.07 | 25.30 | 8.25 | | 48.34 | 127.84 | 0.00 | 0.000 | 0.000 |
| 5/31/1983 | 2.48 | 21.00 | 8.45 | | 48.42 | 128.50 | 0.00 | 0.000 | 0.000 |
| 6/30/1983 | 3.03 | 24.77 | 8.16 | | 48.51 | 129.24 | 0.00 | 0.000 | 0.000 |
| 7/31/1983 | 2.89 | 24.68 | 8.54 | | 48.60 | 130.00 | 0.00 | 0.000 | 0.000 |
| 8/31/1983 | 2.72 | 24.00 | 8.83 | | 48.68 | 130.75 | 0.00 | 0.000 | 0.000 |
| 9/30/1983 | 2.84 | 25.00 | 8.79 | | 48.77 | 131.50 | 0.00 | 0.000 | 0.000 |
| 10/31/1983 | 2.18 | 17.87 | 8.20 | | 48.83 | 132.05 | 0.00 | 0.000 | 0.000 |
| 11/30/1983 | 2.55 | 21.20 | 8.30 | | 48.91 | 132.69 | 0.00 | 0.000 | 0.000 |
| 12/31/1983 | 2.98 | 24.06 | 8.06 | | 49.00 | 133.43 | 0.00 | 0.000 | 0.000 |
| 1/31/1984 | 2.87 | 23.32 | 8.13 | | 49.09 | 134.16 | 0.00 | 0.000 | 0.000 |
| 2/29/1984 | 2.82 | 24.38 | 8.63 | | 49.17 | 134.86 | 0.00 | 0.000 | 0.000 |
| 3/31/1984 | 2.64 | 22.77 | 8.64 | | 49.26 | 135.57 | 0.00 | 0.000 | 0.000 |
| 4/30/1984 | 2.65 | 21.37 | 8.05 | | 49.34 | 136.21 | 0.00 | 0.000 | 0.000 |
| 5/31/1984 | 2.61 | 21.52 | 8.23 | | 49.42 | 136.88 | 0.00 | 0.000 | 0.000 |
| 6/30/1984 | 2.76 | 23.30 | 8.44 | | 49.50 | 137.58 | 0.00 | 0.000 | 0.000 |
| 7/31/1984 | 2.67 | 23.16 | 8.67 | | 49.58 | 138.29 | 0.00 | 0.000 | 0.000 |
| 8/31/1984 | 2.45 | 22.06 | 9.00 | | 49.66 | 138.98 | 0.00 | 0.000 | 0.000 |
| 9/30/1984 | 1.52 | 12.30 | 8.09 | | 49.70 | 139.35 | 0.00 | 0.000 | 0.000 |
| 10/31/1984 | 2.31 | 20.06 | 8.68 | | 49.78 | 139.97 | 0.00 | 0.000 | 0.000 |
| 11/30/1984 | 2.85 | 23.63 | 8.29 | | 49.86 | 140.68 | 0.00 | 0.000 | 0.000 |
| 12/31/1984 | 2.51 | 21.65 | 8.64 | | 49.94 | 141.35 | 0.00 | 0.000 | 0.000 |
| 1/31/1985 | 2.43 | 21.81 | 8.98 | | 50.01 | 142.03 | 0.00 | 0.000 | 0.000 |
| 2/28/1985 | 2.36 | 20.82 | 8.81 | | 50.08 | 142.61 | 0.00 | 0.000 | 0.000 |
| 3/31/1985 | 2.19 | 19.65 | 8.98 | | 50.15 | 143.22 | 0.00 | 0.000 | 0.000 |
| 4/30/1985 | 2.17 | 19.10 | 8.80 | | 50.21 | 143.79 | 0.00 | 0.000 | 0.000 |
| 5/31/1985 | 2.42 | 21.87 | 9.03 | | 50.29 | 144.47 | 0.00 | 0.000 | 0.000 |
| 6/30/1985 | 2.28 | 20.93 | 9.17 | | 50.36 | 145.10 | 0.00 | 0.000 | 0.000 |
| 7/31/1985 | 2.36 | 21.42 | 9.08 | | 50.43 | 145.76 | 0.00 | 0.000 | 0.000 |
| 8/31/1985 | 2.26 | 20.68 | 9.14 | | 50.50 | 146.40 | 0.00 | 0.000 | 0.000 |
| 9/30/1985 | 2.10 | 21.30 | 10.13 | | 50.56 | 147.04 | 0.00 | 0.000 | 0.000 |
| 10/31/1985 | 1.87 | 17.52 | 9.35 | | 50.62 | 147.58 | 0.00 | 0.000 | 0.000 |
| 11/30/1985 | 2.05 | 18.26 | 8.89 | | 50.68 | 148.13 | 0.00 | 0.000 | 0.000 |
| 12/31/1985 | 2.32 | 20.55 | 8.86 | | 50.76 | 148.77 | 0.00 | 0.000 | 0.000 |
| 1/31/1986 | 2.16 | 19.71 | 9.12 | | 50.82 | 149.38 | 0.00 | 0.000 | 0.000 |
| 2/28/1986 | 2.15 | 19.86 | 9.22 | | 50.88 | 149.93 | 0.00 | 0.000 | 0.000 |
| 3/31/1986 | 2.20 | 20.77 | 9.46 | | 50.95 | 150.58 | 0.00 | 0.000 | 0.000 |
| 4/30/1986 | 1.96 | 17.93 | 9.15 | | 51.01 | 151.12 | 0.00 | 0.000 | 0.000 |
| 5/31/1986 | 2.01 | 20.32 | 10.10 | | 51.07 | 151.75 | 0.00 | 0.000 | 0.000 |
| 6/30/1986 | 2.10 | 20.67 | 9.86 | | 51.13 | 152.37 | 0.00 | 0.000 | 0.000 |
| 7/31/1986 | 1.64 | 17.16 | 10.47 | | 51.19 | 152.90 | 0.00 | 0.000 | 0.000 |
| 8/31/1986 | 1.94 | 19.74 | 10.18 | | 51.25 | 153.51 | 0.00 | 0.000 | 0.000 |
| 9/30/1986 | 1.86 | 20.27 | 10.90 | | 51.30 | 154.12 | 0.00 | 0.000 | 0.000 |
| 10/31/1986 | 1.90 | 19.90 | 10.49 | | 51.36 | 154.74 | 0.00 | 0.000 | 0.000 |
| 11/30/1986 | 1.95 | 20.00 | 10.26 | | 51.42 | 155.34 | 0.00 | 0.000 | 0.000 |
| 12/31/1986 | 1.89 | 19.26 | 10.17 | | 51.48 | 155.93 | 0.00 | 0.000 | 0.000 |
| 1/31/1987 | 1.79 | 19.00 | 10.63 | | 51.53 | 156.52 | 0.00 | 0.000 | 0.000 |
| 2/28/1987 | 1.83 | 19.39 | 10.58 | | 51.58 | 157.06 | 0.00 | 0.000 | 0.000 |
| 3/31/1987 | 1.71 | 18.65 | 10.91 | | 51.64 | 157.64 | 0.00 | 0.000 | 0.000 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|-----------------------------|
| 4/30/1987 | 2.33 | 22.97 | 9.84 | | 51.71 | 158.33 | 0.00 | 0.000 | 0.000 |
| 5/31/1987 | 2.36 | 25.90 | 10.95 | | 51.78 | 159.13 | 0.00 | 0.000 | 0.000 |
| 6/30/1987 | 2.39 | 25.70 | 10.74 | | 51.85 | 159.91 | 0.00 | 0.000 | 0.000 |
| 7/31/1987 | 2.51 | 25.26 | 10.08 | | 51.93 | 160.69 | 0.00 | 0.000 | 0.000 |
| 8/31/1987 | 2.42 | 24.81 | 10.27 | | 52.00 | 161.46 | 0.00 | 0.000 | 0.000 |
| 9/30/1987 | 2.29 | 24.90 | 10.87 | | 52.07 | 162.20 | 0.00 | 0.000 | 0.000 |
| 10/31/1987 | 2.46 | 25.94 | 10.54 | | 52.15 | 163.01 | 0.00 | 0.000 | 0.000 |
| 11/30/1987 | 2.41 | 24.93 | 10.35 | | 52.22 | 163.76 | 0.00 | 0.000 | 0.000 |
| 12/31/1987 | 2.42 | 25.87 | 10.69 | | 52.30 | 164.56 | 0.00 | 0.000 | 0.000 |
| 1/31/1988 | 2.05 | 27.35 | 13.33 | | 52.36 | 165.41 | 0.00 | 0.000 | 0.000 |
| 2/29/1988 | 2.04 | 27.52 | 13.48 | | 52.42 | 166.20 | 0.00 | 0.000 | 0.000 |
| 3/31/1988 | 2.01 | 27.26 | 13.54 | | 52.48 | 167.05 | 0.00 | 0.000 | 0.000 |
| 4/30/1988 | 1.55 | 24.40 | 15.74 | | 52.53 | 167.78 | 0.00 | 0.000 | 0.000 |
| 5/31/1988 | 2.12 | 27.42 | 12.96 | | 52.59 | 168.63 | 0.00 | 0.000 | 0.000 |
| 6/30/1988 | 1.99 | 26.77 | 13.43 | | 52.65 | 169.43 | 0.00 | 0.000 | 0.000 |
| 7/31/1988 | 2.06 | 28.19 | 13.66 | | 52.72 | 170.31 | 0.00 | 0.000 | 0.000 |
| 8/31/1988 | 2.07 | 26.68 | 12.86 | | 52.78 | 171.14 | 0.00 | 0.000 | 0.000 |
| 9/30/1988 | 1.56 | 23.90 | 15.35 | | 52.83 | 171.85 | 0.00 | 0.000 | 0.000 |
| 10/31/1988 | 2.17 | 26.42 | 12.17 | | 52.90 | 172.67 | 0.00 | 0.000 | 0.000 |
| 11/30/1988 | 2.33 | 25.93 | 11.11 | | 52.97 | 173.45 | 0.00 | 0.000 | 0.000 |
| 12/31/1988 | 2.05 | 26.23 | 12.80 | | 53.03 | 174.26 | 0.00 | 0.000 | 0.000 |
| 1/31/1989 | 1.68 | 22.58 | 13.46 | | 53.08 | 174.96 | 0.00 | 0.000 | 0.000 |
| 2/28/1989 | 2.10 | 21.79 | 10.36 | | 53.14 | 175.57 | 0.00 | 0.000 | 0.000 |
| 3/31/1989 | 2.47 | 24.42 | 9.87 | | 53.22 | 176.33 | 0.00 | 0.000 | 0.000 |
| 4/30/1989 | 2.27 | 21.97 | 9.68 | | 53.29 | 176.99 | 0.00 | 0.000 | 0.000 |
| 5/31/1989 | 1.09 | 13.68 | 12.54 | | 53.32 | 177.41 | 0.00 | 0.000 | 0.000 |
| 6/30/1989 | 2.59 | 24.60 | 9.49 | | 53.40 | 178.15 | 0.00 | 0.000 | 0.000 |
| 7/31/1989 | 2.30 | 23.35 | 10.17 | | 53.47 | 178.87 | 0.00 | 0.000 | 0.000 |
| 8/31/1989 | 2.41 | 23.52 | 9.75 | | 53.54 | 179.60 | 0.00 | 0.000 | 0.000 |
| 9/30/1989 | 2.13 | 22.77 | 10.69 | | 53.61 | 180.29 | 0.00 | 0.000 | 0.000 |
| 10/31/1989 | 1.76 | 18.45 | 10.46 | | 53.66 | 180.86 | 0.00 | 0.000 | 0.000 |
| 11/30/1989 | 2.38 | 23.77 | 9.97 | | 53.73 | 181.57 | 0.00 | 0.000 | 0.000 |
| 12/31/1989 | 2.35 | 23.00 | 9.77 | | 53.81 | 182.28 | 0.00 | 0.000 | 0.000 |
| 1/31/1990 | 2.30 | 23.29 | 10.13 | | 53.88 | 183.01 | 0.00 | 0.000 | 0.000 |
| 2/28/1990 | 2.32 | 23.07 | 9.94 | | 53.94 | 183.65 | 0.00 | 0.000 | 0.000 |
| 3/31/1990 | 2.27 | 22.71 | 10.01 | | 54.01 | 184.36 | 0.00 | 0.000 | 0.000 |
| 4/30/1990 | 1.99 | 20.30 | 10.22 | | 54.07 | 184.97 | 0.00 | 0.000 | 0.000 |
| 5/31/1990 | 2.18 | 22.52 | 10.31 | | 54.14 | 185.66 | 0.00 | 0.000 | 0.000 |
| 6/30/1990 | 1.58 | 15.80 | 10.02 | | 54.19 | 186.14 | 0.00 | 0.000 | 0.000 |
| 7/31/1990 | 1.02 | 14.26 | 13.94 | | 54.22 | 186.58 | 0.00 | 0.000 | 0.000 |
| 8/31/1990 | 2.35 | 23.97 | 10.19 | | 54.29 | 187.32 | 0.00 | 0.000 | 0.000 |
| 9/30/1990 | 2.33 | 22.57 | 9.70 | | 54.36 | 188.00 | 0.00 | 0.000 | 0.000 |
| 10/31/1990 | 2.14 | 22.23 | 10.39 | | 54.43 | 188.69 | 0.00 | 0.000 | 0.000 |
| 11/30/1990 | 1.96 | 20.13 | 10.25 | | 54.49 | 189.29 | 0.00 | 0.000 | 0.000 |
| 12/31/1990 | 1.50 | 15.90 | 10.58 | | 54.53 | 189.79 | 0.00 | 0.000 | 0.000 |
| 1/31/1991 | 0.48 | 7.71 | 16.04 | | 54.55 | 190.02 | 0.00 | 0.000 | 0.000 |
| 2/28/1991 | 1.71 | 22.32 | 13.08 | | 54.60 | 190.65 | 0.00 | 0.000 | 0.000 |
| 3/31/1991 | 2.19 | 25.29 | 11.56 | | 54.66 | 191.43 | 0.00 | 0.000 | 0.000 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|-----------------------------|
| 4/30/1991 | 2.17 | 25.70 | 11.84 | | 54.73 | 192.20 | 0.00 | 0.000 | 0.000 |
| 5/31/1991 | 1.99 | 22.97 | 11.56 | | 54.79 | 192.92 | 0.00 | 0.000 | 0.000 |
| 6/30/1991 | 2.12 | 24.73 | 11.69 | | 54.85 | 193.66 | 0.00 | 0.000 | 0.000 |
| 7/31/1991 | 2.14 | 24.74 | 11.55 | | 54.92 | 194.43 | 0.00 | 0.000 | 0.000 |
| 8/31/1991 | 2.16 | 24.71 | 11.45 | | 54.99 | 195.19 | 0.00 | 0.000 | 0.000 |
| 9/30/1991 | 1.73 | 22.20 | 12.86 | | 55.04 | 195.86 | 0.00 | 0.000 | 0.000 |
| 10/31/1991 | 2.12 | 23.81 | 11.22 | | 55.11 | 196.60 | 0.00 | 0.000 | 0.000 |
| 11/30/1991 | 2.22 | 23.97 | 10.81 | | 55.17 | 197.31 | 0.00 | 0.000 | 0.000 |
| 12/31/1991 | 2.21 | 24.90 | 11.27 | | 55.24 | 198.09 | 0.00 | 0.000 | 0.000 |
| 1/31/1992 | 2.15 | 25.19 | 11.71 | | 55.31 | 198.87 | 0.00 | 0.000 | 0.000 |
| 2/29/1992 | 1.98 | 22.79 | 11.54 | | 55.36 | 199.53 | 0.00 | 0.000 | 0.000 |
| 3/31/1992 | 2.19 | 25.84 | 11.80 | | 55.43 | 200.33 | 0.00 | 0.000 | 0.000 |
| 4/30/1992 | 1.97 | 24.00 | 12.16 | | 55.49 | 201.05 | 0.00 | 0.000 | 0.000 |
| 5/31/1992 | 2.09 | 24.10 | 11.53 | | 55.56 | 201.80 | 0.00 | 0.000 | 0.000 |
| 6/30/1992 | 2.07 | 24.10 | 11.62 | | 55.62 | 202.52 | 0.00 | 0.000 | 0.000 |
| 7/31/1992 | 2.24 | 25.52 | 11.38 | | 55.69 | 203.31 | 0.00 | 0.000 | 0.000 |
| 8/31/1992 | 2.08 | 24.45 | 11.73 | | 55.75 | 204.07 | 0.00 | 0.000 | 0.000 |
| 9/30/1992 | 2.07 | 24.37 | 11.79 | | 55.81 | 204.80 | 0.00 | 0.000 | 0.000 |
| 10/31/1992 | 1.84 | 22.16 | 12.07 | | 55.87 | 205.49 | 0.00 | 0.000 | 0.000 |
| 11/30/1992 | 2.00 | 22.23 | 11.10 | | 55.93 | 206.15 | 0.00 | 0.000 | 0.000 |
| 12/31/1992 | 2.31 | 27.20 | 11.76 | | 56.00 | 207.00 | 0.00 | 0.000 | 0.000 |
| 1/31/1993 | 2.22 | 29.10 | 13.09 | | 56.07 | 207.90 | 0.00 | 0.000 | 0.000 |
| 2/28/1993 | 2.40 | 30.00 | 12.52 | | 56.14 | 208.74 | 0.00 | 0.000 | 0.000 |
| 3/31/1993 | 2.28 | 29.64 | 12.99 | | 56.21 | 209.66 | 0.00 | 0.000 | 0.000 |
| 4/30/1993 | 2.01 | 26.37 | 13.10 | | 56.27 | 210.45 | 0.00 | 0.000 | 0.000 |
| 5/31/1993 | 2.28 | 30.15 | 13.22 | | 56.34 | 211.38 | 0.00 | 0.000 | 0.000 |
| 6/30/1993 | 2.26 | 29.70 | 13.16 | | 56.41 | 212.27 | 0.00 | 0.000 | 0.000 |
| 7/31/1993 | 2.18 | 29.16 | 13.35 | | 56.48 | 213.18 | 0.00 | 0.000 | 0.000 |
| 8/31/1993 | 2.15 | 25.49 | 11.86 | | 56.54 | 213.97 | 0.00 | 0.000 | 0.000 |
| 9/30/1993 | 2.02 | 31.53 | 15.64 | | 56.60 | 214.91 | 0.00 | 0.000 | 0.000 |
| 10/31/1993 | 2.20 | 31.17 | 14.17 | | 56.67 | 215.88 | 0.00 | 0.000 | 0.000 |
| 11/30/1993 | 9.64 | 41.78 | 4.33 | | 56.96 | 217.13 | 0.00 | 0.000 | 0.000 |
| 12/31/1993 | 10.75 | 60.06 | 5.59 | | 57.29 | 219.00 | 0.00 | 0.000 | 0.000 |
| 1/31/1994 | 9.39 | 59.43 | 6.33 | | 57.59 | 220.84 | 0.00 | 0.000 | 0.000 |
| 2/28/1994 | 8.41 | 57.47 | 6.84 | | 57.82 | 222.45 | 0.00 | 0.000 | 0.000 |
| 3/31/1994 | 4.02 | 34.75 | 8.65 | | 57.95 | 223.52 | 0.00 | 0.000 | 0.000 |
| 4/30/1994 | 3.37 | 35.01 | 10.40 | | 58.05 | 224.58 | 0.00 | 0.000 | 0.000 |
| 5/31/1994 | 4.47 | 35.90 | 8.04 | | 58.18 | 225.69 | 0.00 | 0.000 | 0.000 |
| 6/30/1994 | 1.88 | 18.33 | 9.75 | | 58.24 | 226.24 | 0.00 | 0.000 | 0.000 |
| 7/31/1994 | 8.34 | 30.64 | 3.67 | | 58.50 | 227.19 | 0.00 | 0.000 | 0.000 |
| 8/31/1994 | 10.34 | 55.16 | 5.33 | | 58.82 | 228.90 | 0.00 | 0.000 | 0.000 |
| 9/30/1994 | 14.27 | 71.31 | 5.00 | | 59.25 | 231.04 | 0.00 | 0.000 | 0.000 |
| 10/31/1994 | 13.60 | 69.25 | 5.09 | | 59.67 | 233.18 | 0.00 | 0.000 | 0.000 |
| 11/30/1994 | 12.71 | 64.95 | 5.11 | | 60.05 | 235.13 | 0.00 | 0.000 | 0.000 |
| 12/31/1994 | 13.14 | 68.43 | 5.21 | | 60.46 | 237.25 | 0.00 | 0.000 | 0.000 |
| 1/31/1995 | 12.23 | 64.11 | 5.24 | | 60.84 | 239.24 | 0.00 | 0.000 | 0.000 |
| 2/28/1995 | 12.03 | 65.60 | 5.45 | | 61.17 | 241.08 | 0.00 | 0.000 | 0.000 |
| 3/31/1995 | 11.58 | 64.56 | 5.57 | | 61.53 | 243.08 | 0.00 | 0.000 | 0.000 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|-----------------------------|
| 4/30/1995 | 11.54 | 66.52 | 5.76 | | 61.88 | 245.08 | 0.00 | 0.000 | 0.000 |
| 5/31/1995 | 11.30 | 66.71 | 5.90 | | 62.23 | 247.14 | 0.00 | 0.000 | 0.000 |
| 6/30/1995 | 10.85 | 66.36 | 6.12 | | 62.56 | 249.13 | 0.00 | 0.000 | 0.000 |
| 7/31/1995 | 10.59 | 65.08 | 6.15 | | 62.88 | 251.15 | 0.00 | 0.000 | 0.000 |
| 8/31/1995 | 10.55 | 67.28 | 6.38 | | 63.21 | 253.24 | 0.00 | 0.000 | 0.000 |
| 9/30/1995 | 10.75 | 66.66 | 6.20 | | 63.53 | 255.24 | 0.00 | 0.000 | 0.000 |
| 10/31/1995 | 10.37 | 67.44 | 6.50 | | 63.85 | 257.33 | 0.00 | 0.000 | 0.000 |
| 11/30/1995 | 9.94 | 65.64 | 6.60 | | 64.15 | 259.30 | 0.00 | 0.000 | 0.000 |
| 12/31/1995 | 9.68 | 65.78 | 6.80 | | 64.45 | 261.34 | 0.00 | 0.000 | 0.000 |
| 1/31/1996 | 9.30 | 66.10 | 7.11 | | 64.74 | 263.39 | 0.00 | 0.000 | 0.000 |
| 2/29/1996 | 9.56 | 66.26 | 6.93 | | 65.02 | 265.31 | 0.00 | 0.000 | 0.000 |
| 3/31/1996 | 9.49 | 66.92 | 7.05 | | 65.31 | 267.38 | 0.00 | 0.000 | 0.000 |
| 4/30/1996 | 9.54 | 73.76 | 7.74 | | 65.60 | 269.59 | 0.00 | 0.000 | 0.000 |
| 5/31/1996 | 8.96 | 60.31 | 6.73 | | 65.88 | 271.46 | 0.00 | 0.000 | 0.000 |
| 6/30/1996 | 8.86 | 65.97 | 7.45 | | 66.14 | 273.44 | 0.00 | 0.000 | 0.000 |
| 7/31/1996 | 8.54 | 70.14 | 8.21 | | 66.41 | 275.62 | 0.00 | 0.000 | 0.000 |
| 8/31/1996 | 8.71 | 67.59 | 7.76 | | 66.68 | 277.71 | 0.00 | 0.000 | 0.000 |
| 9/30/1996 | 8.83 | 68.62 | 7.77 | | 66.94 | 279.77 | 0.00 | 0.000 | 0.000 |
| 10/31/1996 | 8.91 | 69.37 | 7.78 | | 67.22 | 281.92 | 0.00 | 0.000 | 0.000 |
| 11/30/1996 | 8.76 | 68.31 | 7.80 | | 67.48 | 283.97 | 0.00 | 0.000 | 0.000 |
| 12/31/1996 | 8.49 | 68.60 | 8.08 | | 67.74 | 286.10 | 0.00 | 0.000 | 0.000 |
| 1/31/1997 | 7.24 | 66.64 | 9.21 | | 67.97 | 288.16 | 0.00 | 0.000 | 0.000 |
| 2/28/1997 | 8.25 | 68.04 | 8.25 | | 68.20 | 290.07 | 0.00 | 0.000 | 0.000 |
| 3/31/1997 | 8.08 | 68.04 | 8.42 | | 68.45 | 292.18 | 0.00 | 0.000 | 0.000 |
| 4/30/1997 | 9.89 | 81.17 | 8.21 | | 68.75 | 294.61 | 0.00 | 0.000 | 0.000 |
| 5/31/1997 | 10.58 | 78.92 | 7.46 | | 69.07 | 297.06 | 0.00 | 0.000 | 0.000 |
| 6/30/1997 | 9.81 | 75.08 | 7.65 | | 69.37 | 299.31 | 0.00 | 0.000 | 0.000 |
| 7/31/1997 | 9.44 | 69.79 | 7.40 | | 69.66 | 301.48 | 0.00 | 0.000 | 0.000 |
| 8/31/1997 | 9.14 | 67.39 | 7.38 | | 69.94 | 303.56 | 0.00 | 0.000 | 0.000 |
| 9/30/1997 | 9.10 | 64.67 | 7.10 | | 70.22 | 305.51 | 0.00 | 0.000 | 0.000 |
| 10/31/1997 | 7.96 | 59.63 | 7.49 | | 70.46 | 307.35 | 0.00 | 0.000 | 0.000 |
| 11/30/1997 | 8.49 | 48.11 | 5.67 | | 70.72 | 308.80 | 0.00 | 0.000 | 0.000 |
| 12/31/1997 | 8.43 | 50.52 | 5.99 | | 70.98 | 310.36 | 0.00 | 0.000 | 0.000 |
| 1/31/1998 | 8.07 | 48.50 | 6.01 | | 71.23 | 311.87 | 0.00 | 0.000 | 0.000 |
| 2/28/1998 | 7.98 | 46.60 | 5.84 | | 71.45 | 313.17 | 0.00 | 0.000 | 0.000 |
| 3/31/1998 | 7.76 | 43.99 | 5.67 | | 71.69 | 314.53 | 0.00 | 0.000 | 0.000 |
| 4/30/1998 | 7.59 | 45.71 | 6.02 | | 71.92 | 315.91 | 0.00 | 0.000 | 0.000 |
| 5/31/1998 | 7.42 | 89.34 | 12.04 | | 72.15 | 318.68 | 0.00 | 0.000 | 0.000 |
| 6/30/1998 | 7.29 | 47.35 | 6.50 | | 72.37 | 320.10 | 0.00 | 0.000 | 0.000 |
| 7/31/1998 | 7.11 | 49.83 | 7.01 | | 72.59 | 321.64 | 0.00 | 0.000 | 0.000 |
| 8/31/1998 | 7.01 | 46.27 | 6.60 | | 72.81 | 323.08 | 0.00 | 0.000 | 0.000 |
| 9/30/1998 | 6.77 | 47.95 | 7.09 | | 73.01 | 324.51 | 0.00 | 0.000 | 0.000 |
| 10/31/1998 | 6.71 | 47.15 | 7.02 | | 73.22 | 325.98 | 0.00 | 0.000 | 0.000 |
| 11/30/1998 | 6.43 | 45.41 | 7.07 | | 73.41 | 327.34 | 0.00 | 0.000 | 0.000 |
| 12/31/1998 | 6.21 | 45.34 | 7.30 | | 73.61 | 328.74 | 0.00 | 0.000 | 0.000 |
| 1/31/1999 | 5.76 | 44.52 | 7.72 | | 73.78 | 330.12 | 0.00 | 0.000 | 0.000 |
| 2/28/1999 | 5.67 | 36.24 | 6.39 | | 73.94 | 331.14 | 0.00 | 0.000 | 0.000 |
| 3/31/1999 | 4.93 | 30.95 | 6.28 | | 74.10 | 332.10 | 0.00 | 0.000 | 0.000 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|-----------------------------|
| 4/30/1999 | 5.56 | 55.02 | 9.90 | | 74.26 | 333.75 | 0.00 | 0.000 | 0.000 |
| 5/31/1999 | 4.73 | 46.98 | 9.93 | | 74.41 | 335.20 | 0.00 | 0.000 | 0.000 |
| 6/30/1999 | 4.59 | 46.52 | 10.13 | | 74.55 | 336.60 | 0.00 | 0.000 | 0.000 |
| 7/31/1999 | 5.52 | 50.76 | 9.20 | | 74.72 | 338.17 | 0.00 | 0.000 | 0.000 |
| 8/31/1999 | 5.22 | 54.02 | 10.35 | | 74.88 | 339.85 | 0.00 | 0.000 | 0.000 |
| 9/30/1999 | 4.49 | 54.36 | 12.12 | | 75.01 | 341.48 | 0.00 | 0.000 | 0.000 |
| 10/31/1999 | 4.28 | 53.29 | 12.44 | | 75.15 | 343.13 | 0.00 | 0.000 | 0.000 |
| 11/30/1999 | 3.65 | 31.65 | 8.68 | 10.37 | 75.26 | 344.08 | 0.31 | 0.292 | 0.001 |
| 12/31/1999 | 4.43 | 61.94 | 13.99 | 36.10 | 75.39 | 346.00 | 1.43 | 0.542 | 0.003 |
| 1/31/2000 | 4.55 | 63.03 | 13.86 | 48.71 | 75.53 | 347.96 | 2.94 | 0.718 | 0.007 |
| 2/29/2000 | 4.46 | 64.13 | 14.38 | 48.72 | 75.66 | 349.82 | 4.35 | 0.708 | 0.010 |
| 3/31/2000 | 4.17 | 64.97 | 15.59 | 48.94 | 75.79 | 351.83 | 5.87 | 0.706 | 0.014 |
| 4/30/2000 | 3.57 | 64.30 | 17.99 | 48.63 | 75.90 | 353.76 | 7.33 | 0.715 | 0.017 |
| 5/31/2000 | 3.19 | 56.34 | 17.65 | 48.26 | 76.00 | 355.50 | 8.82 | 0.808 | 0.020 |
| 6/30/2000 | 4.58 | 72.52 | 15.82 | 50.00 | 76.14 | 357.68 | 10.32 | 0.647 | 0.024 |
| 7/31/2000 | 4.74 | 69.00 | 14.56 | 49.71 | 76.28 | 359.82 | 11.87 | 0.672 | 0.027 |
| 8/31/2000 | 4.76 | 65.72 | 13.80 | 48.90 | 76.43 | 361.86 | 13.38 | 0.691 | 0.030 |
| 9/30/2000 | 4.53 | 65.14 | 14.40 | 42.33 | 76.57 | 363.81 | 14.65 | 0.606 | 0.033 |
| 10/31/2000 | 4.13 | 65.48 | 15.87 | 47.74 | 76.69 | 365.84 | 16.13 | 0.684 | 0.036 |
| 11/30/2000 | 3.89 | 65.64 | 16.88 | 46.40 | 76.81 | 367.81 | 17.52 | 0.666 | 0.039 |
| 12/31/2000 | 4.14 | 65.59 | 15.85 | 44.29 | 76.94 | 369.84 | 18.90 | 0.633 | 0.042 |
| 1/31/2001 | 4.08 | 65.57 | 16.06 | 42.10 | 77.07 | 371.88 | 20.20 | 0.603 | 0.045 |
| 2/28/2001 | 4.24 | 68.97 | 16.26 | 53.82 | 77.18 | 373.81 | 21.71 | 0.733 | 0.048 |
| 3/31/2001 | 4.40 | 68.13 | 15.50 | 48.48 | 77.32 | 375.92 | 23.21 | 0.666 | 0.051 |
| 4/30/2001 | 4.39 | 69.37 | 15.78 | 50.77 | 77.45 | 378.00 | 24.73 | 0.686 | 0.054 |
| 5/31/2001 | 4.04 | 67.76 | 16.76 | 48.29 | 77.58 | 380.10 | 26.23 | 0.671 | 0.057 |
| 6/30/2001 | 3.68 | 68.22 | 18.55 | 46.53 | 77.69 | 382.15 | 27.63 | 0.646 | 0.060 |
| 7/31/2001 | 3.85 | 65.10 | 16.92 | 46.90 | 77.81 | 384.17 | 29.08 | 0.678 | 0.062 |
| 8/31/2001 | 3.95 | 66.37 | 16.78 | 46.23 | 77.93 | 386.22 | 30.52 | 0.655 | 0.065 |
| 9/30/2001 | 3.54 | 60.98 | 17.23 | 43.60 | 78.04 | 388.05 | 31.82 | 0.674 | 0.068 |
| 10/31/2001 | 3.87 | 66.28 | 17.14 | 42.16 | 78.16 | 390.11 | 33.13 | 0.599 | 0.070 |
| 11/30/2001 | 3.59 | 69.12 | 19.26 | 42.90 | 78.26 | 392.18 | 34.42 | 0.589 | 0.073 |
| 12/31/2001 | 3.41 | 68.29 | 20.02 | 43.58 | 78.37 | 394.30 | 35.77 | 0.606 | 0.075 |
| 1/31/2002 | 3.36 | 66.99 | 19.96 | 40.32 | 78.47 | 396.37 | 37.02 | 0.572 | 0.077 |
| 2/28/2002 | 3.32 | 64.33 | 19.40 | 35.93 | 78.57 | 398.18 | 38.02 | 0.530 | 0.079 |
| 3/31/2002 | 3.23 | 65.24 | 20.20 | 37.13 | 78.67 | 400.20 | 39.17 | 0.541 | 0.081 |
| 4/30/2002 | 3.06 | 64.20 | 20.99 | 40.07 | 78.76 | 402.12 | 40.38 | 0.594 | 0.083 |
| 5/31/2002 | 3.05 | 68.30 | 22.39 | 38.97 | 78.85 | 404.24 | 41.59 | 0.545 | 0.085 |
| 6/30/2002 | 3.01 | 66.89 | 22.21 | 36.83 | 78.94 | 406.25 | 42.69 | 0.526 | 0.087 |
| 7/31/2002 | 2.90 | 68.54 | 23.61 | 35.03 | 79.03 | 408.37 | 43.78 | 0.489 | 0.089 |
| 8/31/2002 | 2.82 | 70.74 | 25.05 | 40.10 | 79.12 | 410.57 | 45.02 | 0.544 | 0.091 |
| 9/30/2002 | 3.04 | 68.71 | 22.63 | 41.07 | 79.21 | 412.63 | 46.25 | 0.571 | 0.093 |
| 10/31/2002 | 2.85 | 68.33 | 23.96 | 40.84 | 79.30 | 414.75 | 47.52 | 0.573 | 0.095 |
| 11/30/2002 | 2.85 | 69.55 | 24.40 | 41.47 | 79.39 | 416.83 | 48.76 | 0.572 | 0.097 |
| 12/31/2002 | 2.81 | 69.73 | 24.82 | 40.52 | 79.47 | 418.99 | 50.02 | 0.557 | 0.100 |
| 1/31/2003 | 2.66 | 71.24 | 26.77 | 40.94 | 79.56 | 421.20 | 51.29 | 0.553 | 0.102 |
| 2/28/2003 | 2.67 | 70.30 | 26.37 | 41.07 | 79.63 | 423.17 | 52.44 | 0.562 | 0.103 |
| 3/31/2003 | 2.62 | 71.16 | 27.13 | 41.58 | 79.71 | 425.38 | 53.73 | 0.563 | 0.106 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|-----------------------------|
| 4/30/2003 | 2.53 | 71.79 | 28.34 | 42.50 | 79.79 | 427.53 | 55.00 | 0.571 | 0.108 |
| 5/31/2003 | 2.71 | 72.28 | 26.66 | 47.45 | 79.87 | 429.77 | 56.47 | 0.632 | 0.110 |
| 6/30/2003 | 2.70 | 72.71 | 26.95 | 46.17 | 79.95 | 431.95 | 57.86 | 0.611 | 0.112 |
| 7/31/2003 | 2.91 | 73.76 | 25.32 | 47.61 | 80.04 | 434.24 | 59.33 | 0.620 | 0.114 |
| 8/31/2003 | 2.80 | 73.44 | 26.26 | 47.55 | 80.13 | 436.51 | 60.81 | 0.623 | 0.117 |
| 9/30/2003 | 2.57 | 68.89 | 26.79 | 39.87 | 80.21 | 438.58 | 62.00 | 0.557 | 0.119 |
| 10/31/2003 | 2.41 | 69.72 | 28.93 | 42.35 | 80.28 | 440.74 | 63.31 | 0.586 | 0.121 |
| 11/30/2003 | 2.50 | 71.14 | 28.49 | 42.20 | 80.36 | 442.88 | 64.58 | 0.572 | 0.122 |
| 12/31/2003 | 2.55 | 71.67 | 28.14 | 41.19 | 80.44 | 445.10 | 65.86 | 0.554 | 0.124 |
| 1/31/2004 | 2.19 | 69.65 | 31.80 | 38.42 | 80.50 | 447.26 | 67.05 | 0.534 | 0.126 |
| 2/29/2004 | 2.48 | 70.21 | 28.30 | 41.55 | 80.58 | 449.29 | 68.25 | 0.571 | 0.128 |
| 3/31/2004 | 2.35 | 68.51 | 29.17 | 42.81 | 80.65 | 451.42 | 69.58 | 0.603 | 0.130 |
| 4/30/2004 | 1.62 | 65.23 | 40.19 | 44.03 | 80.70 | 453.37 | 70.90 | 0.658 | 0.132 |
| 5/31/2004 | 1.48 | 58.63 | 39.68 | 35.74 | 80.74 | 455.19 | 72.01 | 0.594 | 0.133 |
| 6/30/2004 | 1.29 | 54.03 | 41.77 | 34.37 | 80.78 | 456.81 | 73.04 | 0.620 | 0.135 |
| 7/31/2004 | 1.13 | 51.58 | 45.82 | 28.42 | 80.82 | 458.41 | 73.92 | 0.539 | 0.136 |
| 8/31/2004 | 1.09 | 45.81 | 42.20 | 31.65 | 80.85 | 459.83 | 74.90 | 0.674 | 0.138 |
| 9/30/2004 | 1.25 | 53.12 | 42.38 | 39.17 | 80.89 | 461.43 | 76.08 | 0.720 | 0.139 |
| 10/31/2004 | 1.25 | 52.19 | 41.70 | 40.68 | 80.93 | 463.04 | 77.34 | 0.760 | 0.141 |
| 11/30/2004 | 1.19 | 51.16 | 42.99 | 41.63 | 80.96 | 464.58 | 78.59 | 0.794 | 0.143 |
| 12/31/2004 | 1.21 | 49.48 | 41.01 | 40.68 | 81.00 | 466.11 | 79.85 | 0.802 | 0.145 |
| 1/31/2005 | 1.22 | 48.74 | 39.97 | 36.45 | 81.04 | 467.62 | 80.98 | 0.729 | 0.147 |
| 2/28/2005 | 1.14 | 48.43 | 42.44 | 40.11 | 81.07 | 468.98 | 82.10 | 0.808 | 0.148 |
| 3/31/2005 | 1.12 | 49.30 | 44.11 | 36.35 | 81.10 | 470.51 | 83.23 | 0.720 | 0.150 |
| 4/30/2005 | 1.13 | 49.72 | 44.20 | 37.60 | 81.14 | 472.00 | 84.36 | 0.739 | 0.151 |
| 5/31/2005 | 1.04 | 47.93 | 46.07 | 38.00 | 81.17 | 473.49 | 85.53 | 0.775 | 0.153 |
| 6/30/2005 | 0.98 | 45.96 | 46.98 | 35.07 | 81.20 | 474.86 | 86.59 | 0.746 | 0.155 |
| 7/31/2005 | 0.98 | 45.89 | 46.72 | 36.87 | 81.23 | 476.29 | 87.73 | 0.786 | 0.156 |
| 8/31/2005 | 0.95 | 44.02 | 46.18 | 42.35 | 81.26 | 477.65 | 89.04 | 0.941 | 0.158 |
| 9/30/2005 | 0.92 | 42.04 | 45.53 | 34.17 | 81.29 | 478.91 | 90.07 | 0.794 | 0.160 |
| 10/31/2005 | 0.91 | 42.46 | 46.60 | 37.39 | 81.32 | 480.23 | 91.23 | 0.861 | 0.161 |
| 11/30/2005 | 0.92 | 44.27 | 48.38 | 37.43 | 81.34 | 481.56 | 92.35 | 0.828 | 0.163 |
| 12/31/2005 | 0.89 | 45.67 | 51.58 | 35.94 | 81.37 | 482.97 | 93.46 | 0.771 | 0.164 |
| 1/31/2006 | 0.86 | 45.34 | 52.84 | 35.35 | 81.40 | 484.38 | 94.56 | 0.765 | 0.166 |
| 2/28/2006 | 0.81 | 44.18 | 54.50 | 36.71 | 81.42 | 485.62 | 95.59 | 0.815 | 0.167 |
| 3/31/2006 | 0.83 | 42.25 | 50.67 | 30.65 | 81.45 | 486.93 | 96.54 | 0.711 | 0.169 |
| 4/30/2006 | 0.80 | 37.45 | 47.10 | 25.70 | 81.47 | 488.05 | 97.31 | 0.671 | 0.170 |
| 5/31/2006 | 0.87 | 38.88 | 44.81 | 28.00 | 81.50 | 489.25 | 98.18 | 0.704 | 0.171 |
| 6/30/2006 | 0.85 | 40.45 | 47.78 | 27.47 | 81.52 | 490.47 | 99.00 | 0.664 | 0.172 |
| 7/31/2006 | 0.81 | 40.74 | 50.02 | 30.55 | 81.55 | 491.73 | 99.95 | 0.734 | 0.173 |
| 8/31/2006 | 0.82 | 41.28 | 50.19 | 29.03 | 81.57 | 493.01 | 100.85 | 0.689 | 0.174 |
| 9/30/2006 | 0.78 | 39.41 | 50.75 | 26.40 | 81.60 | 494.19 | 101.64 | 0.656 | 0.175 |
| 10/31/2006 | 0.73 | 39.40 | 53.81 | 30.48 | 81.62 | 495.41 | 102.58 | 0.759 | 0.177 |
| 11/30/2006 | 0.80 | 40.72 | 51.11 | 28.70 | 81.64 | 496.64 | 103.45 | 0.691 | 0.178 |
| 12/31/2006 | 0.85 | 42.05 | 49.65 | 31.87 | 81.67 | 497.94 | 104.43 | 0.742 | 0.179 |
| 1/31/2007 | 0.80 | 41.72 | 52.04 | 33.10 | 81.69 | 499.23 | 105.46 | 0.778 | 0.180 |
| 2/28/2007 | 0.80 | 41.97 | 52.46 | 37.25 | 81.72 | 500.41 | 106.50 | 0.870 | 0.182 |
| 3/31/2007 | 0.81 | 42.69 | 52.83 | 33.87 | 81.74 | 501.73 | 107.55 | 0.778 | 0.183 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|-----------------------------|
| 4/30/2007 | 0.80 | 43.05 | 53.70 | 35.80 | 81.76 | 503.02 | 108.63 | 0.816 | 0.184 |
| 5/31/2007 | 0.80 | 42.70 | 53.16 | 35.29 | 81.79 | 504.35 | 109.72 | 0.810 | 0.186 |
| 6/30/2007 | 0.80 | 41.37 | 51.60 | 32.90 | 81.81 | 505.59 | 110.71 | 0.779 | 0.187 |
| 7/31/2007 | 0.76 | 42.70 | 55.85 | 31.48 | 81.84 | 506.91 | 111.68 | 0.724 | 0.188 |
| 8/31/2007 | 0.79 | 43.12 | 54.45 | 33.23 | 81.86 | 508.25 | 112.71 | 0.756 | 0.190 |
| 9/30/2007 | 0.82 | 41.38 | 50.36 | 26.70 | 81.89 | 509.49 | 113.52 | 0.632 | 0.191 |
| 10/31/2007 | 0.77 | 39.11 | 50.83 | 27.65 | 81.91 | 510.70 | 114.37 | 0.693 | 0.192 |
| 11/30/2007 | 0.80 | 41.54 | 51.82 | 33.13 | 81.93 | 511.95 | 115.37 | 0.782 | 0.193 |
| 12/31/2007 | 0.73 | 40.35 | 55.35 | 32.52 | 81.96 | 513.20 | 116.37 | 0.791 | 0.194 |
| 1/31/2008 | 0.75 | 39.67 | 52.89 | 33.23 | 81.98 | 514.43 | 117.40 | 0.821 | 0.196 |
| 2/29/2008 | 0.78 | 39.74 | 50.99 | 33.28 | 82.00 | 515.58 | 118.37 | 0.820 | 0.197 |
| 3/31/2008 | 0.91 | 40.82 | 44.87 | 35.81 | 82.03 | 516.85 | 119.48 | 0.857 | 0.198 |
| 4/30/2008 | 0.96 | 41.23 | 42.95 | 35.40 | 82.06 | 518.08 | 120.54 | 0.838 | 0.199 |
| 5/31/2008 | 1.00 | 42.01 | 42.14 | 39.42 | 82.09 | 519.38 | 121.76 | 0.916 | 0.201 |
| 6/30/2008 | 1.04 | 43.74 | 42.06 | 35.60 | 82.12 | 520.70 | 122.83 | 0.794 | 0.202 |
| 7/31/2008 | 1.10 | 43.84 | 39.74 | 33.90 | 82.16 | 522.06 | 123.88 | 0.753 | 0.204 |
| 8/31/2008 | 1.05 | 43.40 | 41.20 | 36.90 | 82.19 | 523.40 | 125.03 | 0.829 | 0.205 |
| 9/30/2008 | 1.11 | 42.48 | 38.33 | 33.73 | 82.22 | 524.68 | 126.04 | 0.773 | 0.206 |
| 10/31/2008 | 1.05 | 41.10 | 39.02 | 33.03 | 82.25 | 525.95 | 127.06 | 0.783 | 0.208 |
| 11/30/2008 | 1.09 | 41.16 | 37.87 | 31.20 | 82.29 | 527.18 | 128.00 | 0.738 | 0.209 |
| 12/31/2008 | 0.92 | 36.79 | 40.09 | 36.35 | 82.32 | 528.33 | 129.13 | 0.963 | 0.210 |
| 1/31/2009 | 1.02 | 40.48 | 39.71 | 40.42 | 82.35 | 529.58 | 130.38 | 0.973 | 0.212 |
| 2/28/2009 | 1.03 | 39.65 | 38.55 | 40.43 | 82.38 | 530.69 | 131.51 | 0.993 | 0.213 |
| 3/31/2009 | 1.00 | 40.88 | 40.68 | 41.19 | 82.41 | 531.96 | 132.79 | 0.982 | 0.215 |
| 4/30/2009 | 1.04 | 40.64 | 39.02 | 38.50 | 82.44 | 533.18 | 133.94 | 0.922 | 0.216 |
| 5/31/2009 | 1.01 | 37.61 | 37.13 | 29.39 | 82.47 | 534.34 | 134.85 | 0.760 | 0.217 |
| 6/30/2009 | 1.02 | 39.06 | 38.24 | 26.17 | 82.50 | 535.51 | 135.64 | 0.652 | 0.218 |
| 7/31/2009 | 1.06 | 40.58 | 38.35 | 27.65 | 82.53 | 536.77 | 136.50 | 0.663 | 0.219 |
| 8/31/2009 | 1.04 | 40.22 | 38.78 | 26.55 | 82.57 | 538.02 | 137.32 | 0.643 | 0.220 |
| 9/30/2009 | 1.00 | 40.62 | 40.49 | 25.73 | 82.60 | 539.24 | 138.09 | 0.617 | 0.221 |
| 10/31/2009 | 1.00 | 39.99 | 39.80 | 28.00 | 82.63 | 540.48 | 138.96 | 0.682 | 0.222 |
| 11/30/2009 | 1.02 | 39.25 | 38.54 | 30.83 | 82.66 | 541.66 | 139.88 | 0.765 | 0.223 |
| 12/31/2009 | 1.03 | 39.40 | 38.23 | 31.48 | 82.69 | 542.88 | 140.86 | 0.778 | 0.224 |
| 1/31/2010 | 1.00 | 37.71 | 37.90 | 30.23 | 82.72 | 544.05 | 141.80 | 0.780 | 0.225 |
| 2/28/2010 | 1.03 | 38.10 | 36.85 | 29.82 | 82.75 | 545.11 | 142.63 | 0.761 | 0.226 |
| 3/31/2010 | 1.07 | 38.63 | 36.13 | 29.00 | 82.78 | 546.31 | 143.53 | 0.729 | 0.227 |
| 4/30/2010 | 1.03 | 38.45 | 37.45 | 27.10 | 82.81 | 547.46 | 144.34 | 0.686 | 0.228 |
| 5/31/2010 | 1.03 | 39.60 | 38.31 | 25.29 | 82.84 | 548.69 | 145.13 | 0.622 | 0.228 |
| 6/30/2010 | 0.95 | 38.37 | 40.18 | 28.67 | 82.87 | 549.84 | 145.99 | 0.728 | 0.229 |
| 7/31/2010 | 0.81 | 37.72 | 46.68 | 31.16 | 82.90 | 551.01 | 146.95 | 0.808 | 0.230 |
| 8/31/2010 | 0.92 | 39.15 | 42.74 | 30.19 | 82.93 | 552.23 | 147.89 | 0.753 | 0.231 |
| 9/30/2010 | 0.86 | 37.68 | 43.73 | 28.80 | 82.95 | 553.36 | 148.75 | 0.746 | 0.232 |
| 10/31/2010 | 0.86 | 37.20 | 43.11 | 27.10 | 82.98 | 554.51 | 149.59 | 0.711 | 0.233 |
| 11/30/2010 | 0.82 | 37.76 | 45.77 | 30.83 | 83.00 | 555.64 | 150.52 | 0.798 | 0.234 |
| 12/31/2010 | 0.83 | 37.21 | 45.06 | 31.81 | 83.03 | 556.80 | 151.50 | 0.835 | 0.235 |
| 1/31/2011 | 0.79 | 37.58 | 47.45 | 31.29 | 83.05 | 557.96 | 152.47 | 0.815 | 0.236 |
| 2/28/2011 | 0.81 | 37.98 | 46.64 | 31.86 | 83.08 | 559.02 | 153.37 | 0.820 | 0.237 |
| 3/31/2011 | 0.82 | 37.95 | 46.31 | 32.13 | 83.10 | 560.20 | 154.36 | 0.828 | 0.238 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | Water Oil Ratio m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | Voidage Replacement Ratio | Cum Voidage Replacemt Ratio |
|------------|--------------------|----------------------|-----------------------|--------------------------|------------------|--------------------|-------------------|---------------------------|-----------------------------|
| 4/30/2011 | 0.51 | 23.95 | 46.65 | 22.27 | 83.12 | 560.92 | 155.03 | 0.909 | 0.239 |
| 5/31/2011 | 0.55 | 30.31 | 55.27 | 29.90 | 83.14 | 561.86 | 155.96 | 0.968 | 0.240 |
| 6/30/2011 | 0.66 | 36.69 | 55.45 | 34.10 | 83.16 | 562.96 | 156.98 | 0.912 | 0.241 |
| 7/31/2011 | 0.67 | 36.62 | 54.98 | 31.32 | 83.18 | 564.09 | 157.95 | 0.839 | 0.242 |
| 8/31/2011 | 0.52 | 31.44 | 60.17 | 32.71 | 83.19 | 565.07 | 158.97 | 1.022 | 0.244 |
| 9/30/2011 | 0.44 | 30.72 | 70.35 | 33.80 | 83.20 | 565.99 | 159.98 | 1.084 | 0.245 |
| 10/31/2011 | 0.39 | 30.40 | 77.56 | 34.68 | 83.22 | 566.93 | 161.05 | 1.126 | 0.246 |
| 11/30/2011 | 0.39 | 29.53 | 75.39 | 33.97 | 83.23 | 567.82 | 162.07 | 1.135 | 0.247 |
| 12/31/2011 | 0.40 | 32.49 | 81.21 | 33.77 | 83.24 | 568.83 | 163.12 | 1.026 | 0.249 |
| 1/31/2012 | 0.39 | 33.75 | 86.46 | 32.29 | 83.25 | 569.87 | 164.12 | 0.945 | 0.250 |
| 2/29/2012 | 0.10 | 5.41 | 56.04 | 33.03 | 83.26 | 570.03 | 165.08 | 5.993 | 0.251 |
| 3/31/2012 | 0.09 | 5.51 | 58.93 | 32.35 | 83.26 | 570.20 | 166.08 | 5.766 | 0.253 |
| 4/30/2012 | 0.10 | 5.63 | 59.25 | 30.23 | 83.26 | 570.37 | 166.99 | 5.278 | 0.254 |
| 5/31/2012 | 0.09 | 5.45 | 60.34 | 28.21 | 83.26 | 570.54 | 167.86 | 5.087 | 0.255 |
| 6/30/2012 | 0.10 | 5.95 | 61.57 | 35.33 | 83.27 | 570.72 | 168.92 | 5.837 | 0.257 |
| 7/31/2012 | 0.10 | 24.89 | 257.17 | 32.87 | 83.27 | 571.49 | 169.94 | 1.315 | 0.258 |
| 8/31/2012 | 0.25 | 29.34 | 118.14 | 33.65 | 83.28 | 572.40 | 170.99 | 1.136 | 0.259 |
| 9/30/2012 | 0.29 | 29.70 | 102.43 | 36.67 | 83.29 | 573.29 | 172.09 | 1.222 | 0.260 |
| 10/31/2012 | 0.29 | 29.09 | 100.21 | 39.77 | 83.30 | 574.19 | 173.32 | 1.353 | 0.262 |
| 11/30/2012 | 0.29 | 28.47 | 98.18 | 42.47 | 83.30 | 575.04 | 174.59 | 1.476 | 0.264 |
| 12/31/2012 | 0.22 | 21.98 | 98.02 | 40.35 | 83.31 | 575.73 | 175.84 | 1.817 | 0.265 |
| 1/31/2013 | 0.27 | 31.03 | 113.85 | 38.52 | 83.32 | 576.69 | 177.04 | 1.230 | 0.267 |
| 2/28/2013 | 0.31 | 31.79 | 104.10 | 37.54 | 83.33 | 577.58 | 178.09 | 1.169 | 0.268 |
| 3/31/2013 | 0.30 | 29.31 | 99.30 | 37.42 | 83.34 | 578.49 | 179.25 | 1.263 | 0.269 |
| 4/30/2013 | 0.29 | 29.49 | 99.97 | 38.90 | 83.35 | 579.37 | 180.42 | 1.305 | 0.271 |
| 5/31/2013 | 0.27 | 26.91 | 98.73 | 34.48 | 83.36 | 580.21 | 181.48 | 1.268 | 0.272 |
| 6/30/2013 | 0.30 | 27.98 | 93.26 | 43.63 | 83.36 | 581.04 | 182.79 | 1.542 | 0.273 |
| 7/31/2013 | 0.29 | 27.63 | 95.16 | 44.61 | 83.37 | 581.90 | 184.18 | 1.597 | 0.275 |
| 8/31/2013 | 0.29 | 27.21 | 93.72 | 45.42 | 83.38 | 582.74 | 185.58 | 1.651 | 0.277 |
| 9/30/2013 | 0.29 | 26.34 | 89.28 | 45.30 | 83.39 | 583.53 | 186.94 | 1.700 | 0.279 |
| 10/31/2013 | 0.29 | 25.11 | 87.95 | 44.90 | 83.40 | 584.31 | 188.34 | 1.767 | 0.280 |
| 11/30/2013 | 0.28 | 26.09 | 93.18 | 45.30 | 83.41 | 585.10 | 189.69 | 1.717 | 0.282 |
| 12/31/2013 | 0.29 | 25.98 | 89.50 | 47.00 | 83.42 | 585.90 | 191.15 | 1.788 | 0.284 |