

**WEST BUTLER UNIT NO. 1
WATERFLOOD EOR PROJECT

ANNUAL REPORT FOR 2014**

April 22, 2015

Tundra Oil and Gas Partnership

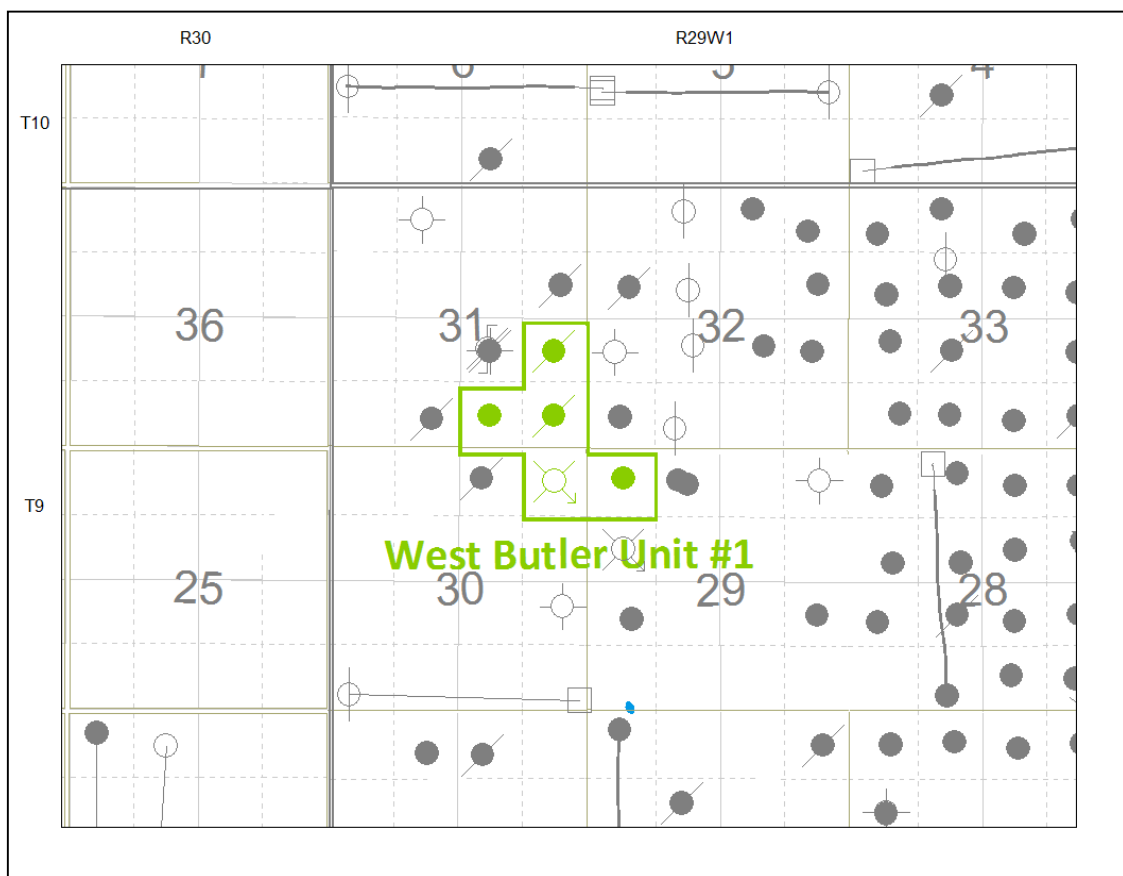
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INTRODUCTION

West Butler Unit No. 1 Enhanced Oil Recovery (EOR) Waterflood Project was approved under Unitization Order No. 14 effective September 1972 with Enerplus ECT Resources Ltd. as Operator. Rideau Petroleums Ltd. acquired the unit from Enerplus ECT Resources Ltd. and became operator in September 1985. Tundra acquired the unit from Rideau in 2007 and is the current operator of the unit. The EOR project area contains 5 wells in 5 LSDs in Township 9, Range 29 W1 as shown in the figure below. Well list and well status is available in Appendix A.

Figure 1: West Butler Unit No. 1 Area Outline



In accordance with Section 73 of the Manitoba Drilling and Production Regulation, Tundra hereby submits the 2014 Annual Progress Report for West Butler Unit No. 1 as required by Board Order No. PM 21.

DISCUSSION

Production History

For the wells included in West Butler Unit No. 1, production started November 1955 with the 00/01-13-009-29W1/0 well. Oil production peaked at 20.74 m³/d in May 1956, when all five wells were producing. Average production from Jan-June, 2014 was 0.19 m³/d of oil and 0.01 m³/d of water and a WOR of 0.05 m³/m³. The rates and WOR are plotted in Figure 2.

Figure 2: West Butler Unit No. 1 Production/Injection Rates and WOR vs. Time

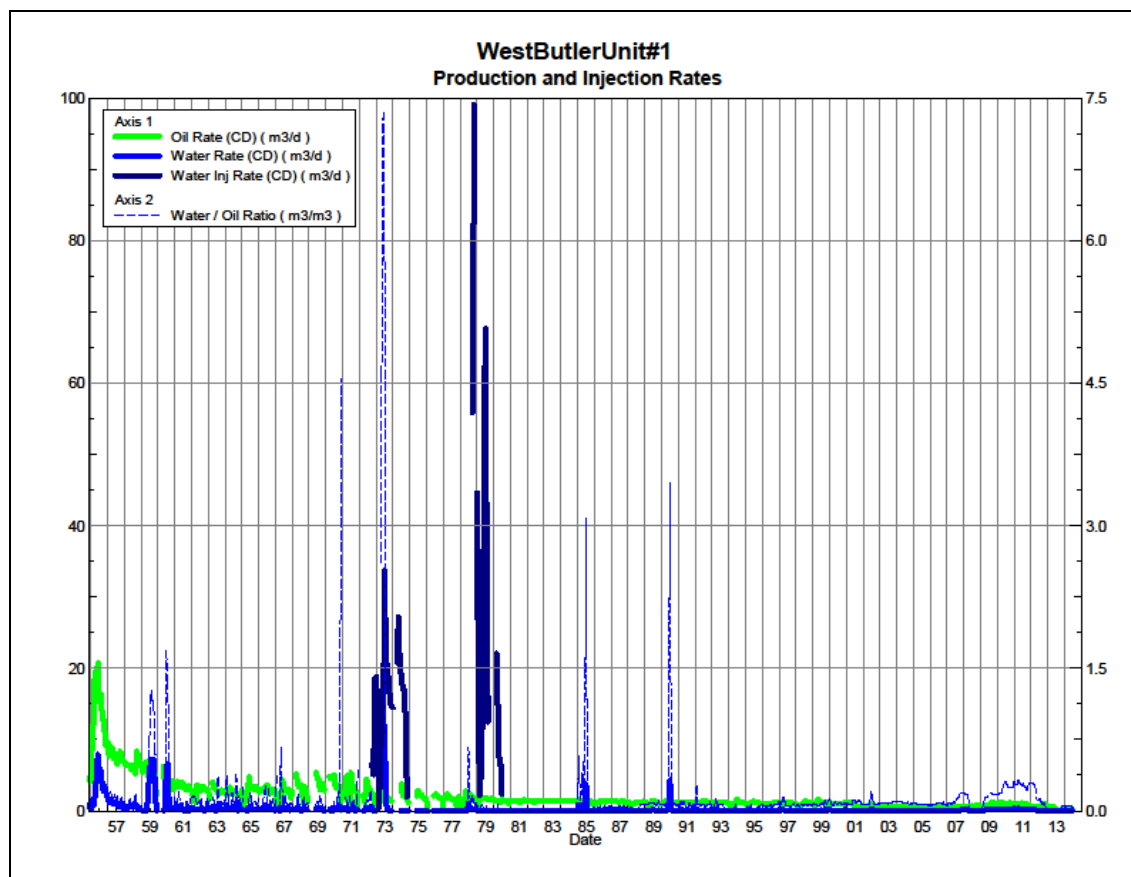
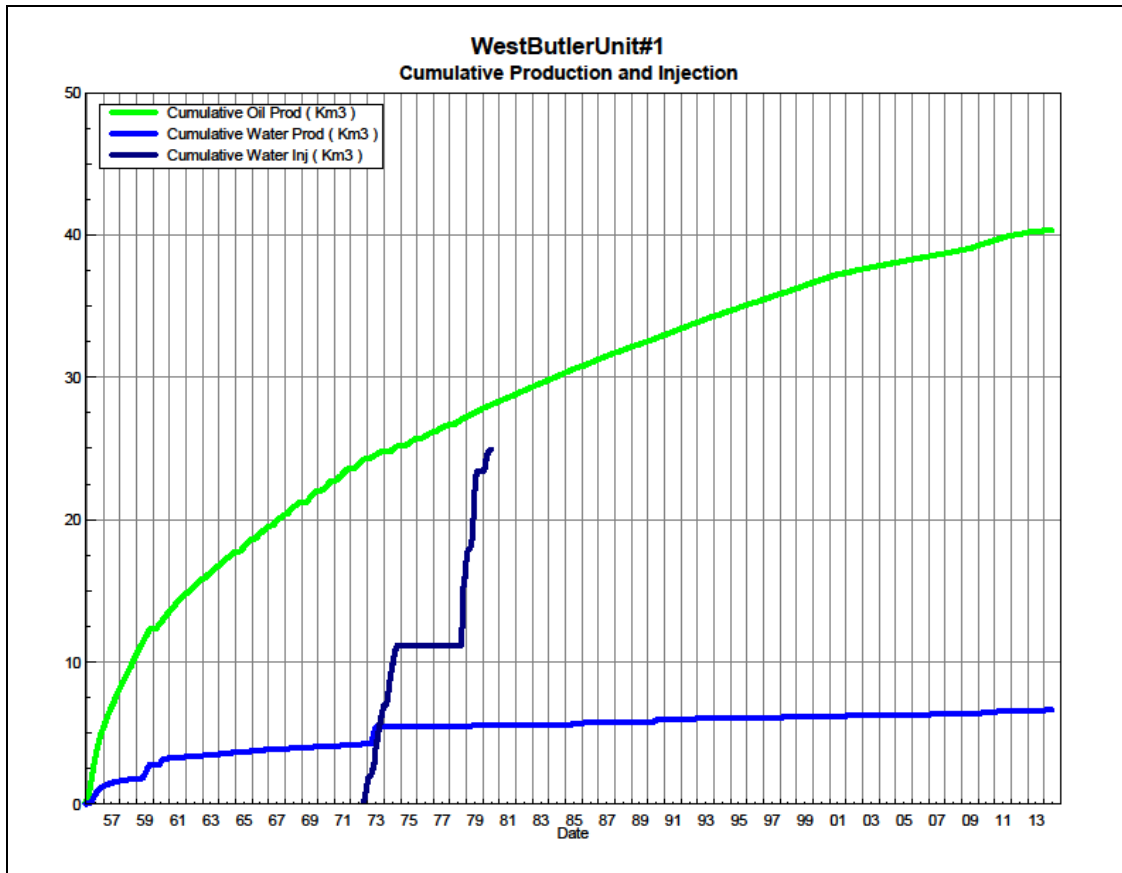


Figure 3 shows the cumulative production for West Butler Unit No. 1 to the end of December 2014 as 40.34 e³m³ of oil, and 6.62 e³m³ of water. The cumulative water injected is 25.0 e³m³. The cumulative volume of oil, and water produced and fluid injected for each injection pattern and for the whole project for each injection well is presented in Appendix C.

Figure 3: West Butler Unit No. 1 Cum. Oil, Water and Water Injected vs. Time



Waterflood History

As of December 2014 the Unit has no active injector. Water was injected into the unit from June 1973 until June 1980.

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 currently no injection in West Butler Unit No. 1.

Injection Wellhead Pressures

No injection wellhead pressure is available for this unit.

Reservoir Pressure

No reservoir pressure measurements were taken at West Butler Unit No. 1 in 2014.

Well Servicing

No maintenance was required on the 5 wells in West Butler Unit No. 1 in 2014.

Voidage Replacement

Cumulative voidage for the West Butler Unit No. 1 was 0.502 in June 2014. Plots and tables of the production and injection data along with the VRR on a monthly and cumulative basis for the single injection pattern is presented in Appendix C.

Waterflood Performance Discussion

The original oil-in-place (OOIP) of the Unit is estimated at 309.0 e³m³. In 2014, the recovery factor of the Unit is 13.0% based on 40.34 e³m³ of cumulative oil recovered to date. The ultimate expected recoverable reserve based on decline analysis is 40.0 e³m³ or an ultimate recovery factor of 12.9%.

The overall performance of this waterflood has been very poor due to lack of waterflood response and very low cumulative VRR. Currently no water injection is taking place. Trends in production are stable and extremely mature. No changes in trends are anticipated. The Unit may be located in very marginal reservoir. Optimization of the Unit and secondary recovery feasibility will be considered with future development of the area.

List of Appendices

Appendix A: Well List and Well Status

Appendix B: West Butler Unit No. 1 Injection Pattern Summary

Appendix C: Injector Pattern Production/Injection Rates, Cumulative and VRR Plot and
Table

Appendix A

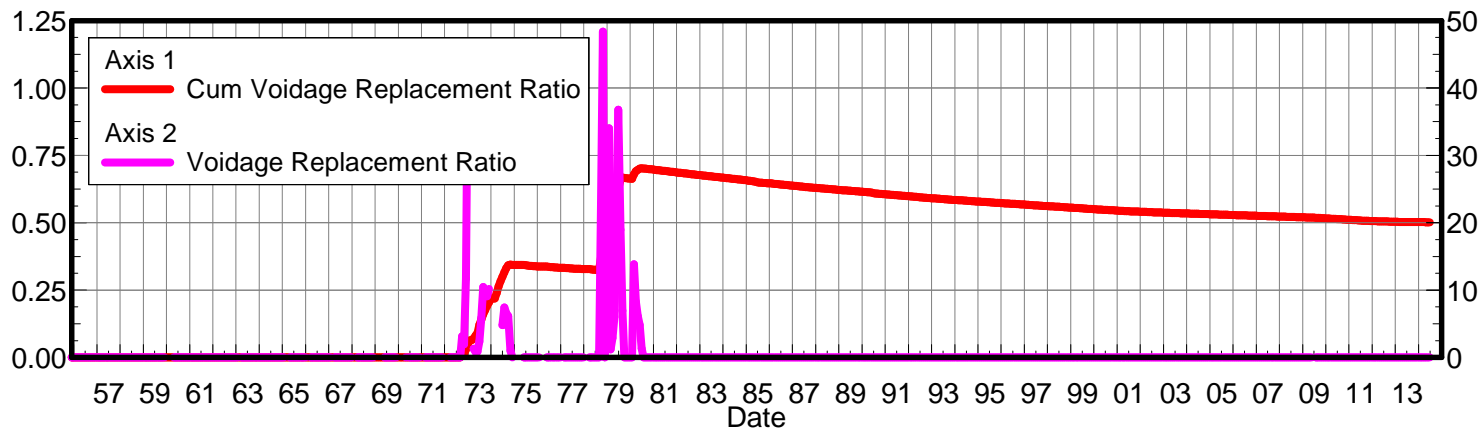
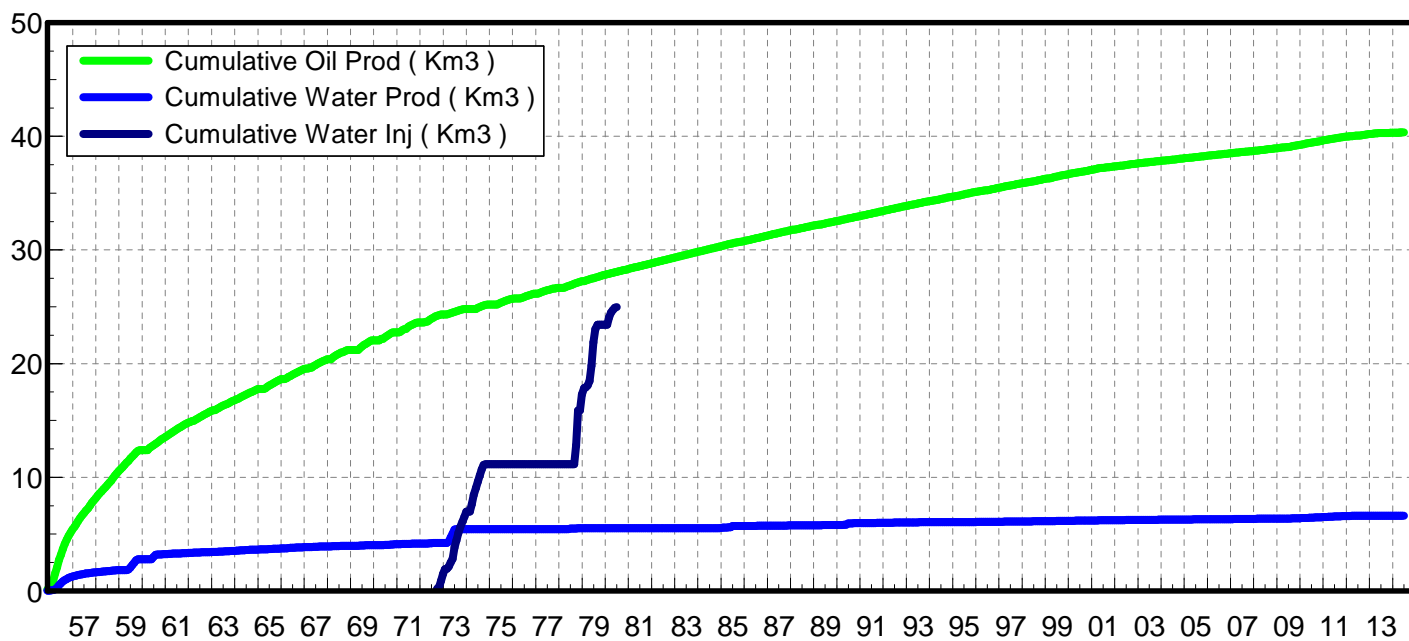
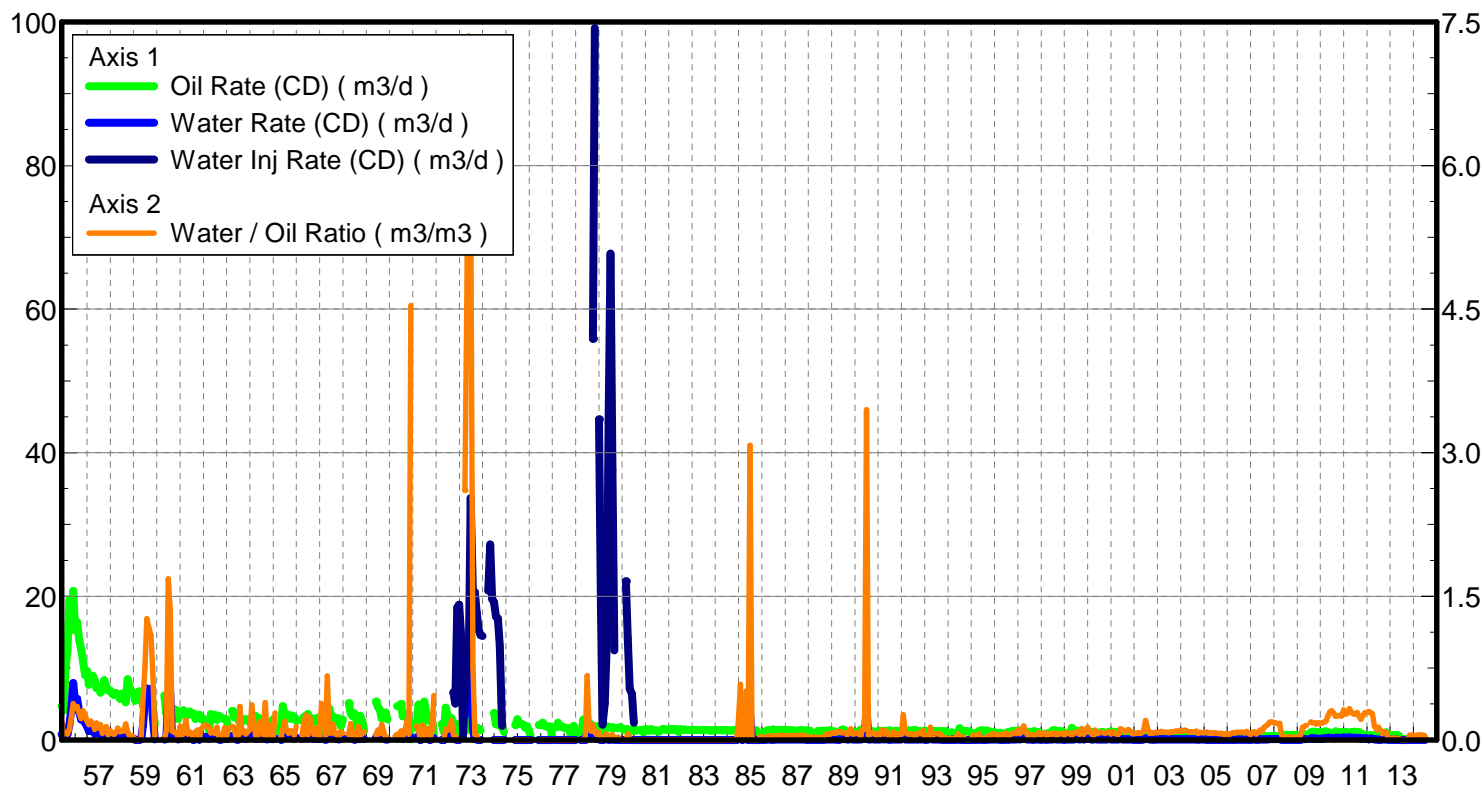
| UWI | Well Status |
|-----------------------|---------------------|
| 100/13-29-009-29W1/00 | Capable of OIL Prod |
| 100/16-30-009-29W1/00 | ABD WTR Injection |
| 100/01-31-009-29W1/00 | ABD Producer |
| 100/02-31-009-29W1/00 | Capable of OIL Prod |
| 100/08-31-009-29W1/00 | ABD Producer |

Appendix B

West Butler Unit 1 Pattern Summary as of December 2014

| Pattern Name | Injector Location (009-29W1) | Status | Supported Wells (009-29W1) | No. of Supported Wells | Allocation Factor | Pattern Prod Start Month | Inj Start Month | Inj End Month | Oil Rate (m³/d) | Water Rate (m³/d) | WOR (m³/m³) | Water Injection (m³/d) | Cum Oil (E³m³) | Cum Water (E³m³) | Cum Inj Water (E³m³) | Monthly VRR | Cum VRR |
|----------------------------|---------------------------------|-------------------|-----------------------------------|------------------------|-------------------|--------------------------|-----------------|---------------|--------------------|----------------------|----------------|---------------------------|-------------------|---------------------|-------------------------|-------------|---------|
| 00/16-30-009-29W1 Injector | 00/16-30 | ABD WTR Injection | 01-31, 02-31, 08-31, 13-29, 16-30 | 5 | 1 | Apr 1965 | Sep 1972 | Jun 1980 | 0.08 | 0.00 | 0.04 | 0.0 | 40.3 | 6.6 | 25.0 | 0.0 | 0.50 |

Appendix C
Rates and VRR
Plots and Tables



| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | WOR m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | VRR | Cum VRR |
|------------|-----------------------------|-------------------------------|--------------|-----------------------------------|---------------------------|-----------------------------|----------------------------|-------|------------|
| 11/30/1955 | 4.72 | 0.80 | 0.17 | | 0.14 | 0.02 | 0.00 | 0.000 | 0.000 |
| 12/31/1955 | 4.09 | 0.25 | 0.06 | | 0.27 | 0.03 | 0.00 | 0.000 | 0.000 |
| 1/31/1956 | 9.92 | 0.71 | 0.07 | | 0.58 | 0.05 | 0.00 | 0.000 | 0.000 |
| 2/29/1956 | 12.54 | 0.77 | 0.06 | | 0.94 | 0.08 | 0.00 | 0.000 | 0.000 |
| 3/31/1956 | 19.52 | 2.14 | 0.11 | | 1.54 | 0.14 | 0.00 | 0.000 | 0.000 |
| 4/30/1956 | 18.20 | 4.31 | 0.24 | | 2.09 | 0.27 | 0.00 | 0.000 | 0.000 |
| 5/31/1956 | 20.74 | 7.89 | 0.38 | | 2.73 | 0.52 | 0.00 | 0.000 | 0.000 |
| 6/30/1956 | 15.23 | 5.00 | 0.33 | | 3.19 | 0.67 | 0.00 | 0.000 | 0.000 |
| 7/31/1956 | 16.45 | 5.73 | 0.35 | | 3.70 | 0.84 | 0.00 | 0.000 | 0.000 |
| 8/31/1956 | 13.83 | 3.82 | 0.28 | | 4.13 | 0.96 | 0.00 | 0.000 | 0.000 |
| 9/30/1956 | 12.62 | 2.81 | 0.22 | | 4.51 | 1.05 | 0.00 | 0.000 | 0.000 |
| 10/31/1956 | 10.85 | 3.28 | 0.30 | | 4.84 | 1.15 | 0.00 | 0.000 | 0.000 |
| 11/30/1956 | 9.05 | 2.40 | 0.27 | | 5.12 | 1.22 | 0.00 | 0.000 | 0.000 |
| 12/31/1956 | 9.60 | 1.88 | 0.20 | | 5.41 | 1.28 | 0.00 | 0.000 | 0.000 |
| 1/31/1957 | 7.67 | 1.21 | 0.16 | | 5.65 | 1.32 | 0.00 | 0.000 | 0.000 |
| 2/28/1957 | 8.24 | 1.63 | 0.20 | | 5.88 | 1.36 | 0.00 | 0.000 | 0.000 |
| 3/31/1957 | 8.94 | 1.53 | 0.17 | | 6.16 | 1.41 | 0.00 | 0.000 | 0.000 |
| 4/30/1957 | 8.29 | 0.89 | 0.11 | | 6.41 | 1.44 | 0.00 | 0.000 | 0.000 |
| 5/31/1957 | 7.22 | 1.27 | 0.18 | | 6.63 | 1.48 | 0.00 | 0.000 | 0.000 |
| 6/30/1957 | 7.29 | 0.92 | 0.13 | | 6.85 | 1.50 | 0.00 | 0.000 | 0.000 |
| 7/31/1957 | 6.58 | 1.05 | 0.16 | | 7.05 | 1.54 | 0.00 | 0.000 | 0.000 |
| 8/31/1957 | 7.16 | 0.49 | 0.07 | | 7.28 | 1.55 | 0.00 | 0.000 | 0.000 |
| 9/30/1957 | 8.32 | 1.02 | 0.12 | | 7.53 | 1.58 | 0.00 | 0.000 | 0.000 |
| 10/31/1957 | 7.52 | 1.04 | 0.14 | | 7.76 | 1.61 | 0.00 | 0.000 | 0.000 |
| 11/30/1957 | 6.91 | 0.37 | 0.05 | | 7.97 | 1.63 | 0.00 | 0.000 | 0.000 |
| 12/31/1957 | 6.86 | 0.66 | 0.10 | | 8.18 | 1.65 | 0.00 | 0.000 | 0.000 |
| 1/31/1958 | 6.45 | 0.46 | 0.07 | | 8.38 | 1.66 | 0.00 | 0.000 | 0.000 |
| 2/28/1958 | 6.25 | 0.37 | 0.06 | | 8.55 | 1.67 | 0.00 | 0.000 | 0.000 |
| 3/31/1958 | 6.53 | 0.49 | 0.08 | | 8.76 | 1.69 | 0.00 | 0.000 | 0.000 |
| 4/30/1958 | 6.37 | 0.78 | 0.12 | | 8.95 | 1.71 | 0.00 | 0.000 | 0.000 |
| 5/31/1958 | 5.73 | 0.48 | 0.08 | | 9.12 | 1.72 | 0.00 | 0.000 | 0.000 |
| 6/30/1958 | 6.46 | 0.57 | 0.09 | | 9.32 | 1.74 | 0.00 | 0.000 | 0.000 |
| 7/31/1958 | 6.22 | 0.59 | 0.09 | | 9.51 | 1.76 | 0.00 | 0.000 | 0.000 |
| 8/31/1958 | 5.24 | 0.87 | 0.17 | | 9.67 | 1.79 | 0.00 | 0.000 | 0.000 |
| 9/30/1958 | 8.44 | 0.68 | 0.08 | | 9.93 | 1.81 | 0.00 | 0.000 | 0.000 |
| 10/31/1958 | 7.38 | 0.27 | 0.04 | | 10.16 | 1.81 | 0.00 | 0.000 | 0.000 |
| 11/30/1958 | 6.71 | 0.30 | 0.05 | | 10.36 | 1.82 | 0.00 | 0.000 | 0.000 |
| 12/31/1958 | 6.45 | 0.16 | 0.03 | | 10.56 | 1.83 | 0.00 | 0.000 | 0.000 |
| 1/31/1959 | 5.45 | 0.02 | 0.00 | | 10.73 | 1.83 | 0.00 | 0.000 | 0.000 |
| 2/28/1959 | 5.79 | 0.00 | 0.00 | | 10.89 | 1.83 | 0.00 | 0.000 | 0.000 |
| 3/31/1959 | 6.74 | 0.00 | 0.00 | | 11.10 | 1.83 | 0.00 | 0.000 | 0.000 |
| 4/30/1959 | 6.22 | 0.09 | 0.02 | | 11.28 | 1.83 | 0.00 | 0.000 | 0.000 |
| 5/31/1959 | 4.80 | 2.01 | 0.42 | | 11.43 | 1.89 | 0.00 | 0.000 | 0.000 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | WOR m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | VRR | Cum VRR |
|------------|-----------------------------|-------------------------------|--------------|-----------------------------------|---------------------------|-----------------------------|----------------------------|-------|------------|
| 6/30/1959 | 7.12 | 5.35 | 0.75 | | 11.64 | 2.06 | 0.00 | 0.000 | 0.000 |
| 7/31/1959 | 5.67 | 7.17 | 1.27 | | 11.82 | 2.28 | 0.00 | 0.000 | 0.000 |
| 8/31/1959 | 5.47 | 6.38 | 1.17 | | 11.99 | 2.48 | 0.00 | 0.000 | 0.000 |
| 9/30/1959 | 6.52 | 7.11 | 1.09 | | 12.19 | 2.69 | 0.00 | 0.000 | 0.000 |
| 10/31/1959 | 4.53 | 3.05 | 0.67 | | 12.33 | 2.78 | 0.00 | 0.000 | 0.000 |
| 11/30/1959 | 2.15 | 0.09 | 0.04 | | 12.39 | 2.79 | 0.00 | 0.000 | 0.000 |
| 4/30/1960 | 6.16 | 0.08 | 0.01 | | 12.58 | 2.79 | 0.00 | 0.000 | 0.000 |
| 5/31/1960 | 3.69 | 0.35 | 0.09 | | 12.69 | 2.80 | 0.00 | 0.000 | 0.000 |
| 6/30/1960 | 3.69 | 6.21 | 1.68 | | 12.80 | 2.99 | 0.00 | 0.000 | 0.000 |
| 7/31/1960 | 4.85 | 6.63 | 1.37 | | 12.95 | 3.19 | 0.00 | 0.000 | 0.000 |
| 8/31/1960 | 4.08 | 0.37 | 0.09 | | 13.08 | 3.20 | 0.00 | 0.000 | 0.000 |
| 9/30/1960 | 4.32 | 0.35 | 0.08 | | 13.21 | 3.21 | 0.00 | 0.000 | 0.000 |
| 10/31/1960 | 4.13 | 0.29 | 0.07 | | 13.33 | 3.22 | 0.00 | 0.000 | 0.000 |
| 11/30/1960 | 2.91 | 0.07 | 0.03 | | 13.42 | 3.22 | 0.00 | 0.000 | 0.000 |
| 12/31/1960 | 3.75 | 0.53 | 0.14 | | 13.54 | 3.24 | 0.00 | 0.000 | 0.000 |
| 1/31/1961 | 3.96 | 0.20 | 0.05 | | 13.66 | 3.25 | 0.00 | 0.000 | 0.000 |
| 2/28/1961 | 4.13 | 0.30 | 0.07 | | 13.78 | 3.25 | 0.00 | 0.000 | 0.000 |
| 3/31/1961 | 3.35 | 0.68 | 0.20 | | 13.88 | 3.28 | 0.00 | 0.000 | 0.000 |
| 4/30/1961 | 3.47 | 0.22 | 0.06 | | 13.98 | 3.28 | 0.00 | 0.000 | 0.000 |
| 5/31/1961 | 3.95 | 0.33 | 0.08 | | 14.11 | 3.29 | 0.00 | 0.000 | 0.000 |
| 6/30/1961 | 3.60 | 0.25 | 0.07 | | 14.22 | 3.30 | 0.00 | 0.000 | 0.000 |
| 7/31/1961 | 3.70 | 0.00 | 0.00 | | 14.33 | 3.30 | 0.00 | 0.000 | 0.000 |
| 8/31/1961 | 2.92 | 0.24 | 0.08 | | 14.42 | 3.31 | 0.00 | 0.000 | 0.000 |
| 9/30/1961 | 3.46 | 0.35 | 0.10 | | 14.52 | 3.32 | 0.00 | 0.000 | 0.000 |
| 10/31/1961 | 3.51 | 0.04 | 0.01 | | 14.63 | 3.32 | 0.00 | 0.000 | 0.000 |
| 11/30/1961 | 2.94 | 0.34 | 0.12 | | 14.72 | 3.33 | 0.00 | 0.000 | 0.000 |
| 12/31/1961 | 2.97 | 0.41 | 0.14 | | 14.81 | 3.34 | 0.00 | 0.000 | 0.000 |
| 1/31/1962 | 2.06 | 0.32 | 0.15 | | 14.88 | 3.35 | 0.00 | 0.000 | 0.000 |
| 2/28/1962 | 2.59 | 0.39 | 0.15 | | 14.95 | 3.36 | 0.00 | 0.000 | 0.000 |
| 3/31/1962 | 1.22 | 0.16 | 0.13 | | 14.99 | 3.37 | 0.00 | 0.000 | 0.000 |
| 4/30/1962 | 3.58 | 0.25 | 0.07 | | 15.10 | 3.38 | 0.00 | 0.000 | 0.000 |
| 5/31/1962 | 2.88 | 0.29 | 0.10 | | 15.18 | 3.38 | 0.00 | 0.000 | 0.000 |
| 6/30/1962 | 3.51 | 0.24 | 0.07 | | 15.29 | 3.39 | 0.00 | 0.000 | 0.000 |
| 7/31/1962 | 2.81 | 0.37 | 0.13 | | 15.38 | 3.40 | 0.00 | 0.000 | 0.000 |
| 8/31/1962 | 3.37 | 0.06 | 0.02 | | 15.48 | 3.41 | 0.00 | 0.000 | 0.000 |
| 9/30/1962 | 3.15 | 0.03 | 0.01 | | 15.58 | 3.41 | 0.00 | 0.000 | 0.000 |
| 10/31/1962 | 2.98 | 0.10 | 0.03 | | 15.67 | 3.41 | 0.00 | 0.000 | 0.000 |
| 11/30/1962 | 2.97 | 0.37 | 0.13 | | 15.76 | 3.42 | 0.00 | 0.000 | 0.000 |
| 12/31/1962 | 2.82 | 0.09 | 0.03 | | 15.84 | 3.42 | 0.00 | 0.000 | 0.000 |
| 1/31/1963 | 1.61 | 0.20 | 0.12 | | 15.89 | 3.43 | 0.00 | 0.000 | 0.000 |
| 3/31/1963 | 4.04 | 0.56 | 0.14 | | 16.02 | 3.45 | 0.00 | 0.000 | 0.000 |
| 4/30/1963 | 3.18 | 0.35 | 0.11 | | 16.12 | 3.46 | 0.00 | 0.000 | 0.000 |
| 5/31/1963 | 3.20 | 0.09 | 0.03 | | 16.21 | 3.46 | 0.00 | 0.000 | 0.000 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | WOR m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | VRR | Cum VRR |
|------------|-----------------------------|-------------------------------|--------------|-----------------------------------|---------------------------|-----------------------------|----------------------------|-------|------------|
| 6/30/1963 | 2.85 | 0.02 | 0.01 | | 16.30 | 3.46 | 0.00 | 0.000 | 0.000 |
| 7/31/1963 | 2.39 | 0.83 | 0.35 | | 16.37 | 3.49 | 0.00 | 0.000 | 0.000 |
| 8/31/1963 | 2.53 | 0.19 | 0.08 | | 16.45 | 3.49 | 0.00 | 0.000 | 0.000 |
| 9/30/1963 | 2.94 | 0.28 | 0.10 | | 16.54 | 3.50 | 0.00 | 0.000 | 0.000 |
| 10/31/1963 | 2.74 | 0.17 | 0.06 | | 16.63 | 3.51 | 0.00 | 0.000 | 0.000 |
| 11/30/1963 | 2.87 | 0.25 | 0.09 | | 16.71 | 3.51 | 0.00 | 0.000 | 0.000 |
| 12/31/1963 | 2.43 | 0.26 | 0.11 | | 16.79 | 3.52 | 0.00 | 0.000 | 0.000 |
| 1/31/1964 | 2.39 | 0.88 | 0.37 | | 16.86 | 3.55 | 0.00 | 0.000 | 0.000 |
| 2/29/1964 | 2.30 | 0.40 | 0.17 | | 16.93 | 3.56 | 0.00 | 0.000 | 0.000 |
| 3/31/1964 | 3.31 | 0.15 | 0.04 | | 17.03 | 3.56 | 0.00 | 0.000 | 0.000 |
| 4/30/1964 | 3.10 | 0.10 | 0.03 | | 17.12 | 3.57 | 0.00 | 0.000 | 0.000 |
| 5/31/1964 | 3.00 | 0.57 | 0.19 | | 17.22 | 3.59 | 0.00 | 0.000 | 0.000 |
| 6/30/1964 | 2.75 | 0.27 | 0.10 | | 17.30 | 3.59 | 0.00 | 0.000 | 0.000 |
| 7/31/1964 | 2.55 | 0.14 | 0.06 | | 17.38 | 3.60 | 0.00 | 0.000 | 0.000 |
| 8/31/1964 | 2.27 | 0.88 | 0.39 | | 17.45 | 3.63 | 0.00 | 0.000 | 0.000 |
| 9/30/1964 | 2.50 | 0.07 | 0.03 | | 17.52 | 3.63 | 0.00 | 0.000 | 0.000 |
| 10/31/1964 | 2.32 | 0.36 | 0.16 | | 17.59 | 3.64 | 0.00 | 0.000 | 0.000 |
| 11/30/1964 | 2.45 | 0.10 | 0.04 | | 17.67 | 3.64 | 0.00 | 0.000 | 0.000 |
| 12/31/1964 | 2.87 | 0.12 | 0.04 | | 17.76 | 3.65 | 0.00 | 0.000 | 0.000 |
| 1/31/1965 | 0.62 | 0.17 | 0.28 | | 17.78 | 3.65 | 0.00 | 0.000 | 0.000 |
| 4/30/1965 | 1.33 | 0.04 | 0.03 | | 17.82 | 3.65 | 0.00 | 0.000 | 0.000 |
| 5/31/1965 | 4.72 | 0.51 | 0.11 | | 17.96 | 3.67 | 0.00 | 0.000 | 0.000 |
| 6/30/1965 | 3.30 | 0.64 | 0.19 | | 18.06 | 3.69 | 0.00 | 0.000 | 0.000 |
| 7/31/1965 | 3.30 | 0.32 | 0.10 | | 18.16 | 3.70 | 0.00 | 0.000 | 0.000 |
| 8/31/1965 | 3.50 | 0.24 | 0.07 | | 18.27 | 3.70 | 0.00 | 0.000 | 0.000 |
| 9/30/1965 | 2.92 | 0.28 | 0.10 | | 18.36 | 3.71 | 0.00 | 0.000 | 0.000 |
| 10/31/1965 | 3.38 | 0.30 | 0.09 | | 18.47 | 3.72 | 0.00 | 0.000 | 0.000 |
| 11/30/1965 | 3.17 | 0.15 | 0.05 | | 18.56 | 3.73 | 0.00 | 0.000 | 0.000 |
| 12/31/1965 | 2.59 | 0.36 | 0.14 | | 18.64 | 3.74 | 0.00 | 0.000 | 0.000 |
| 3/31/1966 | 2.75 | 0.15 | 0.05 | | 18.73 | 3.74 | 0.00 | 0.000 | 0.000 |
| 4/30/1966 | 3.18 | 0.60 | 0.19 | | 18.82 | 3.76 | 0.00 | 0.000 | 0.000 |
| 5/31/1966 | 3.37 | 0.88 | 0.26 | | 18.93 | 3.79 | 0.00 | 0.000 | 0.000 |
| 6/30/1966 | 3.60 | 0.19 | 0.05 | | 19.03 | 3.79 | 0.00 | 0.000 | 0.000 |
| 7/31/1966 | 2.44 | 0.57 | 0.24 | | 19.11 | 3.81 | 0.00 | 0.000 | 0.000 |
| 8/31/1966 | 3.02 | 0.35 | 0.12 | | 19.20 | 3.82 | 0.00 | 0.000 | 0.000 |
| 9/30/1966 | 2.79 | 0.16 | 0.06 | | 19.29 | 3.83 | 0.00 | 0.000 | 0.000 |
| 10/31/1966 | 2.59 | 0.31 | 0.12 | | 19.37 | 3.84 | 0.00 | 0.000 | 0.000 |
| 11/30/1966 | 3.09 | 0.14 | 0.05 | | 19.46 | 3.84 | 0.00 | 0.000 | 0.000 |
| 12/31/1966 | 2.92 | 0.09 | 0.03 | | 19.55 | 3.84 | 0.00 | 0.000 | 0.000 |
| 1/31/1967 | 0.45 | 0.17 | 0.38 | | 19.56 | 3.85 | 0.00 | 0.000 | 0.000 |
| 3/31/1967 | 2.13 | 0.02 | 0.01 | | 19.63 | 3.85 | 0.00 | 0.000 | 0.000 |
| 4/30/1967 | 0.75 | 0.50 | 0.67 | | 19.65 | 3.86 | 0.00 | 0.000 | 0.000 |
| 5/31/1967 | 4.38 | 0.31 | 0.07 | | 19.79 | 3.87 | 0.00 | 0.000 | 0.000 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | WOR m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | VRR | Cum VRR |
|------------|-----------------------------|-------------------------------|--------------|-----------------------------------|---------------------------|-----------------------------|----------------------------|-------|------------|
| 6/30/1967 | 3.39 | 0.24 | 0.07 | | 19.89 | 3.88 | 0.00 | 0.000 | 0.000 |
| 7/31/1967 | 2.88 | 0.47 | 0.16 | | 19.98 | 3.90 | 0.00 | 0.000 | 0.000 |
| 8/31/1967 | 3.09 | 0.19 | 0.06 | | 20.08 | 3.90 | 0.00 | 0.000 | 0.000 |
| 9/30/1967 | 2.59 | 0.18 | 0.07 | | 20.15 | 3.91 | 0.00 | 0.000 | 0.000 |
| 10/31/1967 | 3.02 | 0.06 | 0.02 | | 20.25 | 3.91 | 0.00 | 0.000 | 0.000 |
| 11/30/1967 | 1.88 | 0.16 | 0.09 | | 20.30 | 3.91 | 0.00 | 0.000 | 0.000 |
| 12/31/1967 | 2.84 | 0.20 | 0.07 | | 20.39 | 3.92 | 0.00 | 0.000 | 0.000 |
| 3/31/1968 | 5.11 | 0.28 | 0.06 | | 20.55 | 3.93 | 0.00 | 0.000 | 0.000 |
| 4/30/1968 | 3.74 | 0.63 | 0.17 | | 20.66 | 3.95 | 0.00 | 0.000 | 0.000 |
| 5/31/1968 | 3.34 | 0.23 | 0.07 | | 20.77 | 3.95 | 0.00 | 0.000 | 0.000 |
| 6/30/1968 | 3.67 | 0.01 | 0.00 | | 20.88 | 3.95 | 0.00 | 0.000 | 0.000 |
| 7/31/1968 | 2.85 | 0.10 | 0.03 | | 20.96 | 3.96 | 0.00 | 0.000 | 0.000 |
| 8/31/1968 | 0.94 | 0.13 | 0.14 | | 20.99 | 3.96 | 0.00 | 0.000 | 0.000 |
| 9/30/1968 | 3.36 | 0.16 | 0.05 | | 21.09 | 3.97 | 0.00 | 0.000 | 0.000 |
| 10/31/1968 | 2.61 | 0.17 | 0.07 | | 21.17 | 3.97 | 0.00 | 0.000 | 0.000 |
| 11/30/1968 | 1.25 | 0.11 | 0.09 | | 21.21 | 3.98 | 0.00 | 0.000 | 0.000 |
| 5/31/1969 | 5.32 | 0.30 | 0.06 | | 21.38 | 3.98 | 0.00 | 0.000 | 0.000 |
| 6/30/1969 | 4.60 | 0.47 | 0.10 | | 21.52 | 4.00 | 0.00 | 0.000 | 0.000 |
| 7/31/1969 | 4.20 | 0.27 | 0.06 | | 21.65 | 4.01 | 0.00 | 0.000 | 0.000 |
| 8/31/1969 | 2.97 | 0.47 | 0.16 | | 21.74 | 4.02 | 0.00 | 0.000 | 0.000 |
| 9/30/1969 | 3.45 | 0.32 | 0.09 | | 21.84 | 4.03 | 0.00 | 0.000 | 0.000 |
| 10/31/1969 | 3.82 | 0.07 | 0.02 | | 21.96 | 4.03 | 0.00 | 0.000 | 0.000 |
| 11/30/1969 | 2.84 | 0.05 | 0.02 | | 22.04 | 4.03 | 0.00 | 0.000 | 0.000 |
| 4/30/1970 | 4.71 | 0.14 | 0.03 | | 22.19 | 4.04 | 0.00 | 0.000 | 0.000 |
| 6/30/1970 | 5.04 | 0.46 | 0.09 | | 22.34 | 4.05 | 0.00 | 0.000 | 0.000 |
| 7/31/1970 | 3.28 | 0.11 | 0.03 | | 22.44 | 4.06 | 0.00 | 0.000 | 0.000 |
| 8/31/1970 | 3.61 | 0.36 | 0.10 | | 22.55 | 4.07 | 0.00 | 0.000 | 0.000 |
| 9/30/1970 | 3.53 | 0.72 | 0.20 | | 22.66 | 4.09 | 0.00 | 0.000 | 0.000 |
| 10/31/1970 | 2.78 | 0.16 | 0.06 | | 22.74 | 4.09 | 0.00 | 0.000 | 0.000 |
| 11/30/1970 | 0.09 | 0.39 | 4.54 | | 22.75 | 4.11 | 0.00 | 0.000 | 0.000 |
| 2/28/1971 | 1.66 | 0.24 | 0.14 | | 22.79 | 4.11 | 0.00 | 0.000 | 0.000 |
| 3/31/1971 | 4.92 | 0.51 | 0.10 | | 22.94 | 4.13 | 0.00 | 0.000 | 0.000 |
| 4/30/1971 | 2.74 | 0.00 | 0.00 | | 23.03 | 4.13 | 0.00 | 0.000 | 0.000 |
| 5/31/1971 | 1.02 | 0.15 | 0.15 | | 23.06 | 4.13 | 0.00 | 0.000 | 0.000 |
| 6/30/1971 | 5.35 | 0.26 | 0.05 | | 23.22 | 4.14 | 0.00 | 0.000 | 0.000 |
| 7/31/1971 | 3.78 | 0.22 | 0.06 | | 23.34 | 4.15 | 0.00 | 0.000 | 0.000 |
| 8/31/1971 | 2.95 | 0.35 | 0.12 | | 23.43 | 4.16 | 0.00 | 0.000 | 0.000 |
| 9/30/1971 | 2.75 | 0.00 | 0.00 | | 23.51 | 4.16 | 0.00 | 0.000 | 0.000 |
| 10/31/1971 | 2.77 | 0.25 | 0.09 | | 23.60 | 4.17 | 0.00 | 0.000 | 0.000 |
| 11/30/1971 | 0.50 | 0.23 | 0.46 | | 23.61 | 4.17 | 0.00 | 0.000 | 0.000 |
| 3/31/1972 | 2.20 | 0.00 | 0.00 | | 23.68 | 4.17 | 0.00 | 0.000 | 0.000 |
| 4/30/1972 | 1.14 | 0.00 | 0.00 | | 23.71 | 4.17 | 0.00 | 0.000 | 0.000 |
| 5/31/1972 | 4.48 | 0.51 | 0.11 | | 23.85 | 4.19 | 0.00 | 0.000 | 0.000 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | WOR m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | VRR | Cum VRR |
|------------|-----------------------------|-------------------------------|--------------|-----------------------------------|---------------------------|-----------------------------|----------------------------|--------|------------|
| 6/30/1972 | 3.51 | 0.36 | 0.10 | | 23.96 | 4.20 | 0.00 | 0.000 | 0.000 |
| 7/31/1972 | 3.06 | 0.36 | 0.12 | | 24.05 | 4.21 | 0.00 | 0.000 | 0.000 |
| 8/31/1972 | 3.00 | 0.60 | 0.20 | | 24.15 | 4.23 | 0.00 | 0.000 | 0.000 |
| 9/30/1972 | 1.88 | 0.11 | 0.06 | 6.64 | 24.20 | 4.23 | 0.20 | 3.129 | 0.007 |
| 10/31/1972 | 2.30 | 0.10 | 0.04 | 5.06 | 24.27 | 4.24 | 0.36 | 1.983 | 0.012 |
| 11/30/1972 | 1.47 | 0.00 | 0.00 | 18.44 | 24.32 | 4.24 | 0.91 | 11.702 | 0.030 |
| 12/31/1972 | 0.38 | 0.00 | 0.00 | 18.83 | 24.33 | 4.24 | 1.49 | 45.867 | 0.049 |
| 1/31/1973 | | | | 13.92 | 24.33 | 4.24 | 1.92 | | 0.064 |
| 2/28/1973 | | | | 0.49 | 24.33 | 4.24 | 1.94 | | 0.064 |
| 3/31/1973 | 1.37 | 3.57 | 2.61 | 6.43 | 24.37 | 4.35 | 2.14 | 1.275 | 0.070 |
| 4/30/1973 | 2.58 | 11.83 | 4.59 | 11.83 | 24.45 | 4.70 | 2.49 | 0.811 | 0.081 |
| 5/31/1973 | 1.46 | 10.75 | 7.35 | 10.75 | 24.49 | 5.04 | 2.83 | 0.873 | 0.090 |
| 6/30/1973 | 2.08 | 12.00 | 5.78 | 33.67 | 24.56 | 5.40 | 3.84 | 2.367 | 0.121 |
| 7/31/1973 | 1.84 | 1.43 | 0.78 | 20.06 | 24.61 | 5.44 | 4.46 | 5.921 | 0.140 |
| 8/31/1973 | 1.75 | 0.10 | 0.06 | 20.59 | 24.67 | 5.44 | 5.10 | 10.487 | 0.160 |
| 9/30/1973 | 1.73 | 0.08 | 0.05 | 17.68 | 24.72 | 5.44 | 5.63 | 9.143 | 0.176 |
| 10/31/1973 | 1.57 | 0.00 | 0.00 | 15.29 | 24.77 | 5.44 | 6.10 | 9.081 | 0.191 |
| 11/30/1973 | 1.34 | 0.00 | 0.00 | 14.58 | 24.81 | 5.44 | 6.54 | 10.200 | 0.204 |
| 12/31/1973 | | | | 14.47 | 24.81 | 5.44 | 6.99 | | 0.218 |
| 3/31/1974 | | | | 20.81 | 24.81 | 5.44 | 7.63 | | 0.239 |
| 4/30/1974 | | | | 27.22 | 24.81 | 5.44 | 8.45 | | 0.264 |
| 5/31/1974 | | | | 19.64 | 24.81 | 5.44 | 9.06 | | 0.283 |
| 6/30/1974 | 3.73 | 0.00 | 0.00 | 19.15 | 24.92 | 5.44 | 9.63 | 4.804 | 0.300 |
| 7/31/1974 | 2.16 | 0.00 | 0.00 | 17.19 | 24.99 | 5.44 | 10.16 | 7.425 | 0.316 |
| 8/31/1974 | 2.41 | 0.00 | 0.00 | 16.93 | 25.06 | 5.44 | 10.69 | 6.560 | 0.331 |
| 9/30/1974 | 1.99 | 0.00 | 0.00 | 13.06 | 25.12 | 5.44 | 11.08 | 6.128 | 0.343 |
| 10/31/1974 | 1.80 | 0.00 | 0.00 | 1.94 | 25.18 | 5.44 | 11.14 | 1.007 | 0.344 |
| 11/30/1974 | 1.10 | 0.00 | 0.00 | | 25.21 | 5.44 | 11.14 | 0.000 | 0.344 |
| 5/31/1975 | 2.09 | 0.00 | 0.00 | | 25.28 | 5.44 | 11.14 | 0.000 | 0.343 |
| 6/30/1975 | 2.88 | 0.00 | 0.00 | | 25.36 | 5.44 | 11.14 | 0.000 | 0.342 |
| 7/31/1975 | 2.41 | 0.00 | 0.00 | | 25.44 | 5.44 | 11.14 | 0.000 | 0.341 |
| 8/31/1975 | 2.24 | 0.00 | 0.00 | | 25.51 | 5.44 | 11.14 | 0.000 | 0.340 |
| 9/30/1975 | 2.10 | 0.00 | 0.00 | | 25.57 | 5.44 | 11.14 | 0.000 | 0.340 |
| 10/31/1975 | 1.73 | 0.00 | 0.00 | | 25.62 | 5.44 | 11.14 | 0.000 | 0.339 |
| 11/30/1975 | 1.91 | 0.00 | 0.00 | | 25.68 | 5.44 | 11.14 | 0.000 | 0.339 |
| 12/31/1975 | 1.30 | 0.00 | 0.00 | | 25.72 | 5.44 | 11.14 | 0.000 | 0.338 |
| 1/31/1976 | 0.26 | 0.00 | 0.00 | | 25.73 | 5.44 | 11.14 | 0.000 | 0.338 |
| 5/31/1976 | 2.09 | 0.00 | 0.00 | | 25.79 | 5.44 | 11.14 | 0.000 | 0.337 |
| 6/30/1976 | 2.12 | 0.00 | 0.00 | | 25.86 | 5.44 | 11.14 | 0.000 | 0.337 |
| 7/31/1976 | 2.37 | 0.00 | 0.00 | | 25.93 | 5.44 | 11.14 | 0.000 | 0.336 |
| 8/31/1976 | 2.01 | 0.00 | 0.00 | | 25.99 | 5.44 | 11.14 | 0.000 | 0.335 |
| 9/30/1976 | 1.86 | 0.00 | 0.00 | | 26.05 | 5.44 | 11.14 | 0.000 | 0.335 |
| 10/31/1976 | 1.83 | 0.00 | 0.00 | | 26.10 | 5.44 | 11.14 | 0.000 | 0.334 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | WOR m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | VRR | Cum VRR |
|------------|-----------------------------|-------------------------------|--------------|-----------------------------------|---------------------------|-----------------------------|----------------------------|--------|------------|
| 11/30/1976 | 1.85 | 0.00 | 0.00 | | 26.16 | 5.44 | 11.14 | 0.000 | 0.333 |
| 12/31/1976 | 0.16 | 0.00 | 0.00 | | 26.16 | 5.44 | 11.14 | 0.000 | 0.333 |
| 2/28/1977 | 1.78 | 0.00 | 0.00 | | 26.21 | 5.44 | 11.14 | 0.000 | 0.333 |
| 3/31/1977 | 2.41 | 0.00 | 0.00 | | 26.29 | 5.44 | 11.14 | 0.000 | 0.332 |
| 4/30/1977 | 1.90 | 0.00 | 0.00 | | 26.35 | 5.44 | 11.14 | 0.000 | 0.331 |
| 5/31/1977 | 1.90 | 0.00 | 0.00 | | 26.41 | 5.44 | 11.14 | 0.000 | 0.331 |
| 6/30/1977 | 1.68 | 0.00 | 0.00 | | 26.46 | 5.44 | 11.14 | 0.000 | 0.330 |
| 7/31/1977 | 1.67 | 0.00 | 0.00 | | 26.51 | 5.44 | 11.14 | 0.000 | 0.330 |
| 8/31/1977 | 1.69 | 0.00 | 0.00 | | 26.56 | 5.44 | 11.14 | 0.000 | 0.329 |
| 9/30/1977 | 1.20 | 0.00 | 0.00 | | 26.60 | 5.44 | 11.14 | 0.000 | 0.329 |
| 10/31/1977 | 0.12 | 0.00 | 0.00 | | 26.60 | 5.44 | 11.14 | 0.000 | 0.329 |
| 11/30/1977 | 1.95 | 0.00 | 0.00 | | 26.66 | 5.44 | 11.14 | 0.000 | 0.328 |
| 12/31/1977 | 0.33 | 0.00 | 0.00 | | 26.67 | 5.44 | 11.14 | 0.000 | 0.328 |
| 3/31/1978 | 0.85 | 0.00 | 0.00 | | 26.69 | 5.44 | 11.14 | 0.000 | 0.328 |
| 4/30/1978 | 2.83 | 0.00 | 0.00 | | 26.78 | 5.44 | 11.14 | 0.000 | 0.327 |
| 5/31/1978 | 1.79 | 0.00 | 0.00 | | 26.84 | 5.44 | 11.14 | 0.000 | 0.326 |
| 6/30/1978 | 1.62 | 1.09 | 0.67 | | 26.88 | 5.48 | 11.14 | 0.000 | 0.325 |
| 7/31/1978 | 2.36 | 0.35 | 0.15 | | 26.96 | 5.49 | 11.14 | 0.000 | 0.325 |
| 8/31/1978 | 2.04 | 0.19 | 0.09 | | 27.02 | 5.49 | 11.14 | 0.000 | 0.324 |
| 9/30/1978 | 2.00 | 0.32 | 0.16 | 55.89 | 27.08 | 5.50 | 12.82 | 22.727 | 0.372 |
| 10/31/1978 | 1.78 | 0.14 | 0.08 | 99.14 | 27.14 | 5.51 | 15.89 | 48.371 | 0.460 |
| 11/30/1978 | 1.91 | 0.11 | 0.06 | | 27.19 | 5.51 | 15.89 | 0.000 | 0.459 |
| 12/31/1978 | 1.67 | 0.13 | 0.08 | 44.62 | 27.25 | 5.52 | 17.27 | 23.332 | 0.498 |
| 1/31/1979 | 0.52 | 0.00 | 0.00 | 18.90 | 27.26 | 5.52 | 17.86 | 34.036 | 0.515 |
| 2/28/1979 | 1.64 | 0.00 | 0.00 | 2.12 | 27.31 | 5.52 | 17.92 | 1.208 | 0.516 |
| 3/31/1979 | 1.58 | 0.06 | 0.04 | 5.12 | 27.36 | 5.52 | 18.08 | 2.928 | 0.520 |
| 4/30/1979 | 1.90 | 0.12 | 0.06 | 12.98 | 27.41 | 5.52 | 18.47 | 6.030 | 0.530 |
| 5/31/1979 | 1.80 | 0.05 | 0.03 | 44.14 | 27.47 | 5.52 | 19.84 | 22.403 | 0.568 |
| 6/30/1979 | 1.70 | 0.03 | 0.02 | 67.71 | 27.52 | 5.52 | 21.87 | 36.777 | 0.626 |
| 7/31/1979 | 1.76 | 0.10 | 0.05 | 37.60 | 27.57 | 5.53 | 23.03 | 18.952 | 0.658 |
| 8/31/1979 | 1.66 | 0.02 | 0.01 | 12.47 | 27.63 | 5.53 | 23.42 | 6.968 | 0.668 |
| 9/30/1979 | 1.64 | 0.03 | 0.02 | | 27.68 | 5.53 | 23.42 | 0.000 | 0.667 |
| 10/31/1979 | 1.63 | 0.05 | 0.03 | | 27.73 | 5.53 | 23.42 | 0.000 | 0.666 |
| 11/30/1979 | 1.78 | 0.00 | 0.00 | | 27.78 | 5.53 | 23.42 | 0.000 | 0.665 |
| 12/31/1979 | 1.63 | 0.00 | 0.00 | | 27.83 | 5.53 | 23.42 | 0.000 | 0.664 |
| 1/31/1980 | 1.36 | 0.00 | 0.00 | | 27.87 | 5.53 | 23.42 | 0.000 | 0.663 |
| 2/29/1980 | 1.49 | 0.00 | 0.00 | 22.09 | 27.91 | 5.53 | 24.06 | 13.834 | 0.680 |
| 3/31/1980 | 1.50 | 0.09 | 0.06 | 14.05 | 27.96 | 5.53 | 24.49 | 8.292 | 0.691 |
| 4/30/1980 | 1.09 | 0.00 | 0.00 | 7.16 | 27.99 | 5.53 | 24.71 | 6.145 | 0.697 |
| 5/31/1980 | 1.24 | 0.00 | 0.00 | 6.39 | 28.03 | 5.53 | 24.91 | 4.814 | 0.701 |
| 6/30/1980 | 1.64 | 0.00 | 0.00 | 2.37 | 28.08 | 5.53 | 24.98 | 1.349 | 0.702 |
| 7/31/1980 | 1.28 | 0.00 | 0.00 | | 28.12 | 5.53 | 24.98 | 0.000 | 0.702 |
| 8/31/1980 | 1.39 | 0.00 | 0.00 | | 28.16 | 5.53 | 24.98 | 0.000 | 0.701 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | WOR m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | VRR | Cum VRR |
|------------|-----------------------------|-------------------------------|--------------|-----------------------------------|---------------------------|-----------------------------|----------------------------|-------|------------|
| 9/30/1980 | 1.34 | 0.00 | 0.00 | | 28.20 | 5.53 | 24.98 | 0.000 | 0.700 |
| 10/31/1980 | 1.37 | 0.00 | 0.00 | | 28.25 | 5.53 | 24.98 | 0.000 | 0.699 |
| 11/30/1980 | 1.04 | 0.00 | 0.00 | | 28.28 | 5.53 | 24.98 | 0.000 | 0.698 |
| 12/31/1980 | 1.48 | 0.00 | 0.00 | | 28.32 | 5.53 | 24.98 | 0.000 | 0.697 |
| 1/31/1981 | 1.47 | 0.00 | 0.00 | | 28.37 | 5.53 | 24.98 | 0.000 | 0.696 |
| 2/28/1981 | 1.25 | 0.00 | 0.00 | | 28.41 | 5.53 | 24.98 | 0.000 | 0.696 |
| 3/31/1981 | 1.51 | 0.00 | 0.00 | | 28.45 | 5.53 | 24.98 | 0.000 | 0.695 |
| 4/30/1981 | 1.30 | 0.00 | 0.00 | | 28.49 | 5.53 | 24.98 | 0.000 | 0.694 |
| 5/31/1981 | 1.30 | 0.00 | 0.00 | | 28.53 | 5.53 | 24.98 | 0.000 | 0.693 |
| 6/30/1981 | 1.31 | 0.00 | 0.00 | | 28.57 | 5.53 | 24.98 | 0.000 | 0.692 |
| 7/31/1981 | 1.13 | 0.00 | 0.00 | | 28.61 | 5.53 | 24.98 | 0.000 | 0.692 |
| 8/31/1981 | 1.38 | 0.00 | 0.00 | | 28.65 | 5.53 | 24.98 | 0.000 | 0.691 |
| 9/30/1981 | 1.54 | 0.00 | 0.00 | | 28.69 | 5.53 | 24.98 | 0.000 | 0.690 |
| 10/31/1981 | 1.45 | 0.00 | 0.00 | | 28.74 | 5.53 | 24.98 | 0.000 | 0.689 |
| 11/30/1981 | 1.40 | 0.00 | 0.00 | | 28.78 | 5.53 | 24.98 | 0.000 | 0.688 |
| 12/31/1981 | 1.35 | 0.00 | 0.00 | | 28.82 | 5.53 | 24.98 | 0.000 | 0.687 |
| 1/31/1982 | 1.55 | 0.00 | 0.00 | | 28.87 | 5.53 | 24.98 | 0.000 | 0.686 |
| 2/28/1982 | 1.34 | 0.00 | 0.00 | | 28.91 | 5.53 | 24.98 | 0.000 | 0.685 |
| 3/31/1982 | 1.49 | 0.00 | 0.00 | | 28.95 | 5.53 | 24.98 | 0.000 | 0.684 |
| 4/30/1982 | 1.44 | 0.00 | 0.00 | | 29.00 | 5.53 | 24.98 | 0.000 | 0.684 |
| 5/31/1982 | 1.14 | 0.00 | 0.00 | | 29.03 | 5.53 | 24.98 | 0.000 | 0.683 |
| 6/30/1982 | 1.51 | 0.00 | 0.00 | | 29.08 | 5.53 | 24.98 | 0.000 | 0.682 |
| 7/31/1982 | 1.38 | 0.00 | 0.00 | | 29.12 | 5.53 | 24.98 | 0.000 | 0.681 |
| 8/31/1982 | 1.45 | 0.00 | 0.00 | | 29.17 | 5.53 | 24.98 | 0.000 | 0.680 |
| 9/30/1982 | 1.35 | 0.00 | 0.00 | | 29.21 | 5.53 | 24.98 | 0.000 | 0.679 |
| 10/31/1982 | 1.37 | 0.00 | 0.00 | | 29.25 | 5.53 | 24.98 | 0.000 | 0.679 |
| 11/30/1982 | 1.37 | 0.00 | 0.00 | | 29.29 | 5.53 | 24.98 | 0.000 | 0.678 |
| 12/31/1982 | 1.37 | 0.00 | 0.00 | | 29.33 | 5.53 | 24.98 | 0.000 | 0.677 |
| 1/31/1983 | 1.42 | 0.00 | 0.00 | | 29.38 | 5.53 | 24.98 | 0.000 | 0.676 |
| 2/28/1983 | 1.36 | 0.00 | 0.00 | | 29.42 | 5.53 | 24.98 | 0.000 | 0.675 |
| 3/31/1983 | 1.42 | 0.00 | 0.00 | | 29.46 | 5.53 | 24.98 | 0.000 | 0.674 |
| 4/30/1983 | 1.36 | 0.00 | 0.00 | | 29.50 | 5.53 | 24.98 | 0.000 | 0.674 |
| 5/31/1983 | 1.37 | 0.00 | 0.00 | | 29.54 | 5.53 | 24.98 | 0.000 | 0.673 |
| 6/30/1983 | 1.39 | 0.00 | 0.00 | | 29.58 | 5.53 | 24.98 | 0.000 | 0.672 |
| 7/31/1983 | 1.35 | 0.00 | 0.00 | | 29.63 | 5.53 | 24.98 | 0.000 | 0.671 |
| 8/31/1983 | 1.37 | 0.00 | 0.00 | | 29.67 | 5.53 | 24.98 | 0.000 | 0.670 |
| 9/30/1983 | 1.34 | 0.00 | 0.00 | | 29.71 | 5.53 | 24.98 | 0.000 | 0.670 |
| 10/31/1983 | 1.32 | 0.00 | 0.00 | | 29.75 | 5.53 | 24.98 | 0.000 | 0.669 |
| 11/30/1983 | 1.33 | 0.00 | 0.00 | | 29.79 | 5.53 | 24.98 | 0.000 | 0.668 |
| 12/31/1983 | 1.37 | 0.00 | 0.00 | | 29.83 | 5.53 | 24.98 | 0.000 | 0.667 |
| 1/31/1984 | 1.37 | 0.00 | 0.00 | | 29.87 | 5.53 | 24.98 | 0.000 | 0.666 |
| 2/29/1984 | 1.38 | 0.00 | 0.00 | | 29.91 | 5.53 | 24.98 | 0.000 | 0.666 |
| 3/31/1984 | 1.36 | 0.00 | 0.00 | | 29.96 | 5.53 | 24.98 | 0.000 | 0.665 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | WOR m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | VRR | Cum VRR |
|------------|-----------------------------|-------------------------------|--------------|-----------------------------------|---------------------------|-----------------------------|----------------------------|-------|------------|
| 4/30/1984 | 1.31 | 0.00 | 0.00 | | 30.00 | 5.53 | 24.98 | 0.000 | 0.664 |
| 5/31/1984 | 1.43 | 0.00 | 0.00 | | 30.04 | 5.53 | 24.98 | 0.000 | 0.663 |
| 6/30/1984 | 1.36 | 0.00 | 0.00 | | 30.08 | 5.53 | 24.98 | 0.000 | 0.663 |
| 7/31/1984 | 1.34 | 0.00 | 0.00 | | 30.12 | 5.53 | 24.98 | 0.000 | 0.662 |
| 8/31/1984 | 1.31 | 0.00 | 0.00 | | 30.16 | 5.53 | 24.98 | 0.000 | 0.661 |
| 9/30/1984 | 1.32 | 0.00 | 0.00 | | 30.20 | 5.53 | 24.98 | 0.000 | 0.660 |
| 10/31/1984 | 1.37 | 0.00 | 0.00 | | 30.25 | 5.53 | 24.98 | 0.000 | 0.659 |
| 11/30/1984 | 1.33 | 0.00 | 0.00 | | 30.29 | 5.53 | 24.98 | 0.000 | 0.659 |
| 12/31/1984 | 1.56 | 0.33 | 0.21 | | 30.33 | 5.54 | 24.98 | 0.000 | 0.658 |
| 1/31/1985 | 1.51 | 0.87 | 0.58 | | 30.38 | 5.57 | 24.98 | 0.000 | 0.656 |
| 2/28/1985 | 1.31 | 0.00 | 0.00 | | 30.42 | 5.57 | 24.98 | 0.000 | 0.656 |
| 3/31/1985 | 1.48 | 0.46 | 0.31 | | 30.46 | 5.58 | 24.98 | 0.000 | 0.655 |
| 4/30/1985 | 1.49 | 0.76 | 0.51 | | 30.51 | 5.61 | 24.98 | 0.000 | 0.653 |
| 5/31/1985 | 1.32 | 0.00 | 0.00 | | 30.55 | 5.61 | 24.98 | 0.000 | 0.653 |
| 6/30/1985 | 1.23 | 3.79 | 3.08 | | 30.59 | 5.72 | 24.98 | 0.000 | 0.650 |
| 7/31/1985 | 1.32 | 0.00 | 0.00 | | 30.63 | 5.72 | 24.98 | 0.000 | 0.649 |
| 8/31/1985 | 0.97 | 0.00 | 0.00 | | 30.66 | 5.72 | 24.98 | 0.000 | 0.649 |
| 9/30/1985 | 1.35 | 0.00 | 0.00 | | 30.70 | 5.72 | 24.98 | 0.000 | 0.648 |
| 10/31/1985 | 1.06 | 0.00 | 0.00 | | 30.73 | 5.72 | 24.98 | 0.000 | 0.647 |
| 11/30/1985 | 0.89 | 0.03 | 0.03 | | 30.76 | 5.72 | 24.98 | 0.000 | 0.647 |
| 12/31/1985 | 0.99 | 0.03 | 0.03 | | 30.79 | 5.72 | 24.98 | 0.000 | 0.646 |
| 1/31/1986 | 1.01 | 0.03 | 0.03 | | 30.82 | 5.72 | 24.98 | 0.000 | 0.646 |
| 2/28/1986 | 1.20 | 0.03 | 0.02 | | 30.85 | 5.72 | 24.98 | 0.000 | 0.645 |
| 3/31/1986 | 1.34 | 0.05 | 0.04 | | 30.89 | 5.72 | 24.98 | 0.000 | 0.644 |
| 4/30/1986 | 1.32 | 0.06 | 0.05 | | 30.93 | 5.73 | 24.98 | 0.000 | 0.644 |
| 5/31/1986 | 1.27 | 0.03 | 0.03 | | 30.97 | 5.73 | 24.98 | 0.000 | 0.643 |
| 6/30/1986 | 1.43 | 0.03 | 0.02 | | 31.01 | 5.73 | 24.98 | 0.000 | 0.642 |
| 7/31/1986 | 1.25 | 0.06 | 0.05 | | 31.05 | 5.73 | 24.98 | 0.000 | 0.641 |
| 8/31/1986 | 1.33 | 0.06 | 0.04 | | 31.09 | 5.73 | 24.98 | 0.000 | 0.641 |
| 9/30/1986 | 1.34 | 0.06 | 0.04 | | 31.14 | 5.73 | 24.98 | 0.000 | 0.640 |
| 10/31/1986 | 1.34 | 0.06 | 0.04 | | 31.18 | 5.74 | 24.98 | 0.000 | 0.639 |
| 11/30/1986 | 1.34 | 0.07 | 0.05 | | 31.22 | 5.74 | 24.98 | 0.000 | 0.638 |
| 12/31/1986 | 1.35 | 0.06 | 0.04 | | 31.26 | 5.74 | 24.98 | 0.000 | 0.638 |
| 1/31/1987 | 1.34 | 0.06 | 0.04 | | 31.30 | 5.74 | 24.98 | 0.000 | 0.637 |
| 2/28/1987 | 1.35 | 0.06 | 0.04 | | 31.34 | 5.74 | 24.98 | 0.000 | 0.636 |
| 3/31/1987 | 1.34 | 0.06 | 0.04 | | 31.38 | 5.74 | 24.98 | 0.000 | 0.636 |
| 4/30/1987 | 1.34 | 0.06 | 0.04 | | 31.42 | 5.75 | 24.98 | 0.000 | 0.635 |
| 5/31/1987 | 1.29 | 0.06 | 0.04 | | 31.46 | 5.75 | 24.98 | 0.000 | 0.634 |
| 6/30/1987 | 1.29 | 0.06 | 0.05 | | 31.50 | 5.75 | 24.98 | 0.000 | 0.633 |
| 7/31/1987 | 1.31 | 0.06 | 0.04 | | 31.54 | 5.75 | 24.98 | 0.000 | 0.633 |
| 8/31/1987 | 1.34 | 0.06 | 0.04 | | 31.58 | 5.75 | 24.98 | 0.000 | 0.632 |
| 9/30/1987 | 1.36 | 0.07 | 0.05 | | 31.62 | 5.76 | 24.98 | 0.000 | 0.631 |
| 10/31/1987 | 1.17 | 0.05 | 0.04 | | 31.66 | 5.76 | 24.98 | 0.000 | 0.631 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | WOR m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | VRR | Cum VRR |
|------------|-----------------------------|-------------------------------|--------------|-----------------------------------|---------------------------|-----------------------------|----------------------------|-------|------------|
| 11/30/1987 | 1.31 | 0.03 | 0.03 | | 31.70 | 5.76 | 24.98 | 0.000 | 0.630 |
| 12/31/1987 | 1.27 | 0.03 | 0.03 | | 31.74 | 5.76 | 24.98 | 0.000 | 0.629 |
| 1/31/1988 | 1.25 | 0.04 | 0.03 | | 31.78 | 5.76 | 24.98 | 0.000 | 0.629 |
| 2/29/1988 | 0.70 | 0.02 | 0.03 | | 31.80 | 5.76 | 24.98 | 0.000 | 0.628 |
| 3/31/1988 | 0.91 | 0.02 | 0.02 | | 31.82 | 5.76 | 24.98 | 0.000 | 0.628 |
| 4/30/1988 | 0.87 | 0.02 | 0.02 | | 31.85 | 5.76 | 24.98 | 0.000 | 0.627 |
| 5/31/1988 | 1.22 | 0.03 | 0.03 | | 31.89 | 5.76 | 24.98 | 0.000 | 0.627 |
| 6/30/1988 | 1.15 | 0.03 | 0.03 | | 31.92 | 5.76 | 24.98 | 0.000 | 0.626 |
| 7/31/1988 | 1.29 | 0.03 | 0.02 | | 31.96 | 5.77 | 24.98 | 0.000 | 0.625 |
| 8/31/1988 | 1.23 | 0.04 | 0.03 | | 32.00 | 5.77 | 24.98 | 0.000 | 0.625 |
| 9/30/1988 | 1.28 | 0.08 | 0.06 | | 32.04 | 5.77 | 24.98 | 0.000 | 0.624 |
| 10/31/1988 | 1.26 | 0.08 | 0.07 | | 32.08 | 5.77 | 24.98 | 0.000 | 0.623 |
| 11/30/1988 | 1.33 | 0.08 | 0.06 | | 32.12 | 5.77 | 24.98 | 0.000 | 0.623 |
| 12/31/1988 | 1.21 | 0.08 | 0.07 | | 32.16 | 5.78 | 24.98 | 0.000 | 0.622 |
| 1/31/1989 | 1.17 | 0.08 | 0.07 | | 32.19 | 5.78 | 24.98 | 0.000 | 0.621 |
| 2/28/1989 | 1.14 | 0.08 | 0.07 | | 32.22 | 5.78 | 24.98 | 0.000 | 0.621 |
| 3/31/1989 | 0.50 | 0.04 | 0.08 | | 32.24 | 5.78 | 24.98 | 0.000 | 0.620 |
| 4/30/1989 | 0.41 | 0.04 | 0.09 | | 32.25 | 5.78 | 24.98 | 0.000 | 0.620 |
| 5/31/1989 | 1.35 | 0.10 | 0.08 | | 32.29 | 5.79 | 24.98 | 0.000 | 0.620 |
| 6/30/1989 | 1.43 | 0.11 | 0.08 | | 32.34 | 5.79 | 24.98 | 0.000 | 0.619 |
| 7/31/1989 | 1.31 | 0.10 | 0.07 | | 32.38 | 5.79 | 24.98 | 0.000 | 0.618 |
| 8/31/1989 | 1.13 | 0.06 | 0.06 | | 32.41 | 5.79 | 24.98 | 0.000 | 0.617 |
| 9/30/1989 | 1.09 | 0.07 | 0.07 | | 32.44 | 5.80 | 24.98 | 0.000 | 0.617 |
| 10/31/1989 | 1.01 | 0.12 | 0.12 | | 32.48 | 5.80 | 24.98 | 0.000 | 0.616 |
| 11/30/1989 | 1.04 | 0.06 | 0.06 | | 32.51 | 5.80 | 24.98 | 0.000 | 0.616 |
| 12/31/1989 | 1.13 | 0.07 | 0.07 | | 32.54 | 5.80 | 24.98 | 0.000 | 0.615 |
| 1/31/1990 | 0.99 | 0.07 | 0.08 | | 32.57 | 5.81 | 24.98 | 0.000 | 0.615 |
| 2/28/1990 | 1.18 | 0.08 | 0.07 | | 32.61 | 5.81 | 24.98 | 0.000 | 0.614 |
| 3/31/1990 | 1.40 | 0.05 | 0.04 | | 32.65 | 5.81 | 24.98 | 0.000 | 0.613 |
| 4/30/1990 | 1.21 | 0.13 | 0.11 | | 32.69 | 5.82 | 24.98 | 0.000 | 0.613 |
| 5/31/1990 | 1.16 | 0.13 | 0.11 | | 32.72 | 5.82 | 24.98 | 0.000 | 0.612 |
| 6/30/1990 | 1.26 | 4.33 | 3.45 | | 32.76 | 5.95 | 24.98 | 0.000 | 0.610 |
| 7/31/1990 | 1.36 | 0.07 | 0.05 | | 32.80 | 5.95 | 24.98 | 0.000 | 0.609 |
| 8/31/1990 | 1.28 | 0.07 | 0.06 | | 32.84 | 5.95 | 24.98 | 0.000 | 0.608 |
| 9/30/1990 | 1.21 | 0.09 | 0.08 | | 32.88 | 5.96 | 24.98 | 0.000 | 0.608 |
| 10/31/1990 | 1.16 | 0.08 | 0.07 | | 32.91 | 5.96 | 24.98 | 0.000 | 0.607 |
| 11/30/1990 | 1.13 | 0.05 | 0.05 | | 32.95 | 5.96 | 24.98 | 0.000 | 0.606 |
| 12/31/1990 | 1.15 | 0.08 | 0.07 | | 32.98 | 5.96 | 24.98 | 0.000 | 0.606 |
| 1/31/1991 | 1.27 | 0.07 | 0.05 | | 33.02 | 5.96 | 24.98 | 0.000 | 0.605 |
| 2/28/1991 | 1.24 | 0.13 | 0.10 | | 33.06 | 5.97 | 24.98 | 0.000 | 0.605 |
| 3/31/1991 | 1.23 | 0.08 | 0.06 | | 33.09 | 5.97 | 24.98 | 0.000 | 0.604 |
| 4/30/1991 | 1.20 | 0.12 | 0.10 | | 33.13 | 5.97 | 24.98 | 0.000 | 0.603 |
| 5/31/1991 | 1.20 | 0.07 | 0.06 | | 33.17 | 5.98 | 24.98 | 0.000 | 0.603 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | WOR m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | VRR | Cum VRR |
|------------|-----------------------------|-------------------------------|--------------|-----------------------------------|---------------------------|-----------------------------|----------------------------|-------|------------|
| 6/30/1991 | 1.30 | 0.03 | 0.03 | | 33.21 | 5.98 | 24.98 | 0.000 | 0.602 |
| 7/31/1991 | 1.25 | 0.05 | 0.04 | | 33.25 | 5.98 | 24.98 | 0.000 | 0.601 |
| 8/31/1991 | 0.99 | 0.08 | 0.08 | | 33.28 | 5.98 | 24.98 | 0.000 | 0.601 |
| 9/30/1991 | 1.27 | 0.06 | 0.05 | | 33.31 | 5.98 | 24.98 | 0.000 | 0.600 |
| 10/31/1991 | 1.20 | 0.05 | 0.04 | | 33.35 | 5.99 | 24.98 | 0.000 | 0.600 |
| 11/30/1991 | 1.28 | 0.09 | 0.07 | | 33.39 | 5.99 | 24.98 | 0.000 | 0.599 |
| 12/31/1991 | 1.25 | 0.07 | 0.06 | | 33.43 | 5.99 | 24.98 | 0.000 | 0.598 |
| 1/31/1992 | 1.24 | 0.33 | 0.26 | | 33.47 | 6.00 | 24.98 | 0.000 | 0.598 |
| 2/29/1992 | 1.15 | 0.09 | 0.08 | | 33.50 | 6.00 | 24.98 | 0.000 | 0.597 |
| 3/31/1992 | 1.25 | 0.08 | 0.06 | | 33.54 | 6.01 | 24.98 | 0.000 | 0.597 |
| 4/30/1992 | 1.30 | 0.08 | 0.06 | | 33.58 | 6.01 | 24.98 | 0.000 | 0.596 |
| 5/31/1992 | 1.27 | 0.08 | 0.06 | | 33.62 | 6.01 | 24.98 | 0.000 | 0.595 |
| 6/30/1992 | 1.27 | 0.08 | 0.06 | | 33.66 | 6.01 | 24.98 | 0.000 | 0.595 |
| 7/31/1992 | 1.39 | 0.05 | 0.04 | | 33.70 | 6.01 | 24.98 | 0.000 | 0.594 |
| 8/31/1992 | 1.18 | 0.07 | 0.06 | | 33.74 | 6.02 | 24.98 | 0.000 | 0.593 |
| 9/30/1992 | 1.21 | 0.08 | 0.07 | | 33.77 | 6.02 | 24.98 | 0.000 | 0.593 |
| 10/31/1992 | 1.18 | 0.08 | 0.07 | | 33.81 | 6.02 | 24.98 | 0.000 | 0.592 |
| 11/30/1992 | 1.06 | 0.10 | 0.10 | | 33.84 | 6.02 | 24.98 | 0.000 | 0.592 |
| 12/31/1992 | 1.25 | 0.04 | 0.03 | | 33.88 | 6.03 | 24.98 | 0.000 | 0.591 |
| 1/31/1993 | 0.91 | 0.03 | 0.04 | | 33.91 | 6.03 | 24.98 | 0.000 | 0.591 |
| 2/28/1993 | 1.23 | 0.06 | 0.05 | | 33.94 | 6.03 | 24.98 | 0.000 | 0.590 |
| 3/31/1993 | 1.13 | 0.15 | 0.13 | | 33.98 | 6.03 | 24.98 | 0.000 | 0.590 |
| 4/30/1993 | 1.27 | 0.05 | 0.04 | | 34.01 | 6.03 | 24.98 | 0.000 | 0.589 |
| 5/31/1993 | 1.23 | 0.08 | 0.07 | | 34.05 | 6.04 | 24.98 | 0.000 | 0.588 |
| 6/30/1993 | 1.23 | 0.08 | 0.06 | | 34.09 | 6.04 | 24.98 | 0.000 | 0.588 |
| 7/31/1993 | 1.15 | 0.08 | 0.07 | | 34.13 | 6.04 | 24.98 | 0.000 | 0.587 |
| 8/31/1993 | 1.22 | 0.07 | 0.06 | | 34.16 | 6.04 | 24.98 | 0.000 | 0.587 |
| 9/30/1993 | 1.21 | 0.01 | 0.01 | | 34.20 | 6.04 | 24.98 | 0.000 | 0.586 |
| 10/31/1993 | 1.18 | 0.02 | 0.02 | | 34.24 | 6.04 | 24.98 | 0.000 | 0.586 |
| 11/30/1993 | 1.16 | 0.03 | 0.02 | | 34.27 | 6.05 | 24.98 | 0.000 | 0.585 |
| 12/31/1993 | 0.98 | 0.01 | 0.01 | | 34.30 | 6.05 | 24.98 | 0.000 | 0.585 |
| 1/31/1994 | 0.72 | 0.01 | 0.02 | | 34.32 | 6.05 | 24.98 | 0.000 | 0.584 |
| 2/28/1994 | 1.05 | 0.00 | 0.00 | | 34.35 | 6.05 | 24.98 | 0.000 | 0.584 |
| 3/31/1994 | 0.94 | 0.01 | 0.01 | | 34.38 | 6.05 | 24.98 | 0.000 | 0.583 |
| 4/30/1994 | 0.61 | 0.01 | 0.01 | | 34.40 | 6.05 | 24.98 | 0.000 | 0.583 |
| 5/31/1994 | 1.03 | 0.06 | 0.06 | | 34.43 | 6.05 | 24.98 | 0.000 | 0.583 |
| 6/30/1994 | 1.64 | 0.02 | 0.01 | | 34.48 | 6.05 | 24.98 | 0.000 | 0.582 |
| 7/31/1994 | 1.23 | 0.02 | 0.01 | | 34.52 | 6.05 | 24.98 | 0.000 | 0.581 |
| 8/31/1994 | 1.23 | 0.04 | 0.03 | | 34.56 | 6.05 | 24.98 | 0.000 | 0.581 |
| 9/30/1994 | 1.16 | 0.00 | 0.00 | | 34.59 | 6.05 | 24.98 | 0.000 | 0.580 |
| 10/31/1994 | 1.24 | 0.00 | 0.00 | | 34.63 | 6.05 | 24.98 | 0.000 | 0.580 |
| 11/30/1994 | 1.15 | 0.00 | 0.00 | | 34.67 | 6.05 | 24.98 | 0.000 | 0.579 |
| 12/31/1994 | 0.94 | 0.01 | 0.01 | | 34.70 | 6.05 | 24.98 | 0.000 | 0.579 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | WOR m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | VRR | Cum VRR |
|------------|-----------------------------|-------------------------------|--------------|-----------------------------------|---------------------------|-----------------------------|----------------------------|-------|------------|
| 1/31/1995 | 0.87 | 0.04 | 0.05 | | 34.72 | 6.05 | 24.98 | 0.000 | 0.578 |
| 2/28/1995 | 0.90 | 0.02 | 0.02 | | 34.75 | 6.05 | 24.98 | 0.000 | 0.578 |
| 3/31/1995 | 0.89 | 0.03 | 0.04 | | 34.77 | 6.05 | 24.98 | 0.000 | 0.578 |
| 4/30/1995 | 1.25 | 0.08 | 0.06 | | 34.81 | 6.06 | 24.98 | 0.000 | 0.577 |
| 5/31/1995 | 1.31 | 0.02 | 0.02 | | 34.85 | 6.06 | 24.98 | 0.000 | 0.576 |
| 6/30/1995 | 1.33 | 0.02 | 0.02 | | 34.89 | 6.06 | 24.98 | 0.000 | 0.576 |
| 7/31/1995 | 1.22 | 0.02 | 0.02 | | 34.93 | 6.06 | 24.98 | 0.000 | 0.575 |
| 8/31/1995 | 1.32 | 0.02 | 0.01 | | 34.97 | 6.06 | 24.98 | 0.000 | 0.575 |
| 9/30/1995 | 1.18 | 0.05 | 0.05 | | 35.01 | 6.06 | 24.98 | 0.000 | 0.574 |
| 10/31/1995 | 1.12 | 0.05 | 0.04 | | 35.04 | 6.06 | 24.98 | 0.000 | 0.574 |
| 11/30/1995 | 0.89 | 0.06 | 0.06 | | 35.07 | 6.06 | 24.98 | 0.000 | 0.573 |
| 12/31/1995 | 1.05 | 0.06 | 0.06 | | 35.10 | 6.07 | 24.98 | 0.000 | 0.573 |
| 1/31/1996 | 0.98 | 0.05 | 0.05 | | 35.13 | 6.07 | 24.98 | 0.000 | 0.572 |
| 2/29/1996 | 0.93 | 0.05 | 0.06 | | 35.16 | 6.07 | 24.98 | 0.000 | 0.572 |
| 3/31/1996 | 0.99 | 0.04 | 0.04 | | 35.19 | 6.07 | 24.98 | 0.000 | 0.572 |
| 4/30/1996 | 0.92 | 0.05 | 0.05 | | 35.22 | 6.07 | 24.98 | 0.000 | 0.571 |
| 5/31/1996 | 0.63 | 0.04 | 0.06 | | 35.24 | 6.07 | 24.98 | 0.000 | 0.571 |
| 6/30/1996 | 0.69 | 0.05 | 0.07 | | 35.26 | 6.07 | 24.98 | 0.000 | 0.571 |
| 7/31/1996 | 1.08 | 0.04 | 0.04 | | 35.29 | 6.08 | 24.98 | 0.000 | 0.570 |
| 8/31/1996 | 1.06 | 0.06 | 0.05 | | 35.32 | 6.08 | 24.98 | 0.000 | 0.570 |
| 9/30/1996 | 1.21 | 0.08 | 0.06 | | 35.36 | 6.08 | 24.98 | 0.000 | 0.569 |
| 10/31/1996 | 1.23 | 0.09 | 0.07 | | 35.40 | 6.08 | 24.98 | 0.000 | 0.569 |
| 11/30/1996 | 1.22 | 0.08 | 0.07 | | 35.43 | 6.08 | 24.98 | 0.000 | 0.568 |
| 12/31/1996 | 1.13 | 0.12 | 0.10 | | 35.47 | 6.09 | 24.98 | 0.000 | 0.567 |
| 1/31/1997 | 1.34 | 0.09 | 0.07 | | 35.51 | 6.09 | 24.98 | 0.000 | 0.567 |
| 2/28/1997 | 1.21 | 0.12 | 0.10 | | 35.54 | 6.09 | 24.98 | 0.000 | 0.566 |
| 3/31/1997 | 0.97 | 0.14 | 0.15 | | 35.57 | 6.10 | 24.98 | 0.000 | 0.566 |
| 4/30/1997 | 0.95 | 0.09 | 0.10 | | 35.60 | 6.10 | 24.98 | 0.000 | 0.565 |
| 5/31/1997 | 1.10 | 0.05 | 0.05 | | 35.64 | 6.10 | 24.98 | 0.000 | 0.565 |
| 6/30/1997 | 1.15 | 0.06 | 0.05 | | 35.67 | 6.11 | 24.98 | 0.000 | 0.564 |
| 7/31/1997 | 1.02 | 0.06 | 0.06 | | 35.70 | 6.11 | 24.98 | 0.000 | 0.564 |
| 8/31/1997 | 1.19 | 0.05 | 0.04 | | 35.74 | 6.11 | 24.98 | 0.000 | 0.563 |
| 9/30/1997 | 1.19 | 0.05 | 0.04 | | 35.78 | 6.11 | 24.98 | 0.000 | 0.563 |
| 10/31/1997 | 1.02 | 0.06 | 0.06 | | 35.81 | 6.11 | 24.98 | 0.000 | 0.563 |
| 11/30/1997 | 1.05 | 0.08 | 0.08 | | 35.84 | 6.11 | 24.98 | 0.000 | 0.562 |
| 12/31/1997 | 0.88 | 0.05 | 0.05 | | 35.87 | 6.12 | 24.98 | 0.000 | 0.562 |
| 1/31/1998 | 0.85 | 0.06 | 0.07 | | 35.89 | 6.12 | 24.98 | 0.000 | 0.561 |
| 2/28/1998 | 0.83 | 0.05 | 0.06 | | 35.92 | 6.12 | 24.98 | 0.000 | 0.561 |
| 3/31/1998 | 0.85 | 0.04 | 0.04 | | 35.94 | 6.12 | 24.98 | 0.000 | 0.561 |
| 4/30/1998 | 0.92 | 0.06 | 0.07 | | 35.97 | 6.12 | 24.98 | 0.000 | 0.560 |
| 5/31/1998 | 0.90 | 0.05 | 0.06 | | 36.00 | 6.12 | 24.98 | 0.000 | 0.560 |
| 6/30/1998 | 1.32 | 0.08 | 0.06 | | 36.04 | 6.13 | 24.98 | 0.000 | 0.559 |
| 7/31/1998 | 1.38 | 0.09 | 0.07 | | 36.08 | 6.13 | 24.98 | 0.000 | 0.559 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | WOR m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | VRR | Cum VRR |
|------------|-----------------------------|-------------------------------|--------------|-----------------------------------|---------------------------|-----------------------------|----------------------------|-------|------------|
| 8/31/1998 | 1.25 | 0.06 | 0.05 | | 36.12 | 6.13 | 24.98 | 0.000 | 0.558 |
| 9/30/1998 | 1.21 | 0.07 | 0.06 | | 36.16 | 6.13 | 24.98 | 0.000 | 0.558 |
| 10/31/1998 | 1.20 | 0.08 | 0.07 | | 36.19 | 6.14 | 24.98 | 0.000 | 0.557 |
| 11/30/1998 | 1.17 | 0.08 | 0.07 | | 36.23 | 6.14 | 24.98 | 0.000 | 0.557 |
| 12/31/1998 | 0.83 | 0.04 | 0.05 | | 36.25 | 6.14 | 24.98 | 0.000 | 0.556 |
| 1/31/1999 | 0.88 | 0.07 | 0.08 | | 36.28 | 6.14 | 24.98 | 0.000 | 0.556 |
| 2/28/1999 | 0.91 | 0.06 | 0.07 | | 36.31 | 6.14 | 24.98 | 0.000 | 0.555 |
| 3/31/1999 | 0.87 | 0.05 | 0.06 | | 36.33 | 6.14 | 24.98 | 0.000 | 0.555 |
| 4/30/1999 | 1.66 | 0.08 | 0.05 | | 36.38 | 6.15 | 24.98 | 0.000 | 0.554 |
| 5/31/1999 | 1.33 | 0.09 | 0.07 | | 36.42 | 6.15 | 24.98 | 0.000 | 0.554 |
| 6/30/1999 | 1.20 | 0.10 | 0.08 | | 36.46 | 6.15 | 24.98 | 0.000 | 0.553 |
| 7/31/1999 | 1.29 | 0.09 | 0.07 | | 36.50 | 6.16 | 24.98 | 0.000 | 0.553 |
| 8/31/1999 | 1.09 | 0.06 | 0.06 | | 36.53 | 6.16 | 24.98 | 0.000 | 0.552 |
| 9/30/1999 | 1.13 | 0.13 | 0.12 | | 36.57 | 6.16 | 24.98 | 0.000 | 0.552 |
| 10/31/1999 | 1.14 | 0.07 | 0.06 | | 36.60 | 6.16 | 24.98 | 0.000 | 0.551 |
| 11/30/1999 | 1.08 | 0.10 | 0.10 | | 36.64 | 6.17 | 24.98 | 0.000 | 0.551 |
| 12/31/1999 | 1.06 | 0.14 | 0.13 | | 36.67 | 6.17 | 24.98 | 0.000 | 0.550 |
| 1/31/2000 | 1.12 | 0.10 | 0.09 | | 36.70 | 6.17 | 24.98 | 0.000 | 0.550 |
| 2/29/2000 | 1.10 | 0.07 | 0.07 | | 36.73 | 6.18 | 24.98 | 0.000 | 0.549 |
| 3/31/2000 | 1.00 | 0.05 | 0.05 | | 36.77 | 6.18 | 24.98 | 0.000 | 0.549 |
| 4/30/2000 | 1.06 | 0.11 | 0.10 | | 36.80 | 6.18 | 24.98 | 0.000 | 0.549 |
| 5/31/2000 | 0.97 | 0.06 | 0.07 | | 36.83 | 6.18 | 24.98 | 0.000 | 0.548 |
| 6/30/2000 | 0.93 | 0.07 | 0.08 | | 36.86 | 6.19 | 24.98 | 0.000 | 0.548 |
| 7/31/2000 | 1.09 | 0.09 | 0.08 | | 36.89 | 6.19 | 24.98 | 0.000 | 0.547 |
| 8/31/2000 | 1.09 | 0.08 | 0.08 | | 36.92 | 6.19 | 24.98 | 0.000 | 0.547 |
| 9/30/2000 | 0.92 | 0.07 | 0.07 | | 36.95 | 6.19 | 24.98 | 0.000 | 0.546 |
| 10/31/2000 | 1.00 | 0.07 | 0.07 | | 36.98 | 6.19 | 24.98 | 0.000 | 0.546 |
| 11/30/2000 | 1.11 | 0.10 | 0.09 | | 37.02 | 6.20 | 24.98 | 0.000 | 0.546 |
| 12/31/2000 | 1.19 | 0.07 | 0.06 | | 37.05 | 6.20 | 24.98 | 0.000 | 0.545 |
| 1/31/2001 | 1.10 | 0.09 | 0.08 | | 37.09 | 6.20 | 24.98 | 0.000 | 0.545 |
| 2/28/2001 | 1.11 | 0.08 | 0.07 | | 37.12 | 6.20 | 24.98 | 0.000 | 0.544 |
| 3/31/2001 | 1.12 | 0.07 | 0.06 | | 37.15 | 6.21 | 24.98 | 0.000 | 0.544 |
| 4/30/2001 | 1.12 | 0.07 | 0.06 | | 37.19 | 6.21 | 24.98 | 0.000 | 0.543 |
| 5/31/2001 | 0.81 | 0.09 | 0.12 | | 37.21 | 6.21 | 24.98 | 0.000 | 0.543 |
| 6/30/2001 | 0.63 | 0.07 | 0.11 | | 37.23 | 6.21 | 24.98 | 0.000 | 0.543 |
| 7/31/2001 | 0.69 | 0.06 | 0.08 | | 37.25 | 6.22 | 24.98 | 0.000 | 0.542 |
| 8/31/2001 | 0.65 | 0.06 | 0.09 | | 37.27 | 6.22 | 24.98 | 0.000 | 0.542 |
| 9/30/2001 | 0.62 | 0.07 | 0.11 | | 37.29 | 6.22 | 24.98 | 0.000 | 0.542 |
| 10/31/2001 | 0.64 | 0.06 | 0.09 | | 37.31 | 6.22 | 24.98 | 0.000 | 0.542 |
| 11/30/2001 | 0.76 | 0.05 | 0.07 | | 37.33 | 6.22 | 24.98 | 0.000 | 0.541 |
| 12/31/2001 | 0.70 | 0.05 | 0.06 | | 37.35 | 6.22 | 24.98 | 0.000 | 0.541 |
| 1/31/2002 | 0.67 | 0.05 | 0.07 | | 37.37 | 6.23 | 24.98 | 0.000 | 0.541 |
| 2/28/2002 | 0.63 | 0.05 | 0.07 | | 37.39 | 6.23 | 24.98 | 0.000 | 0.541 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | WOR m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | VRR | Cum VRR |
|------------|-----------------------------|-------------------------------|--------------|-----------------------------------|---------------------------|-----------------------------|----------------------------|-------|------------|
| 3/31/2002 | 0.61 | 0.04 | 0.07 | | 37.41 | 6.23 | 24.98 | 0.000 | 0.540 |
| 4/30/2002 | 0.61 | 0.04 | 0.07 | | 37.43 | 6.23 | 24.98 | 0.000 | 0.540 |
| 5/31/2002 | 0.78 | 0.08 | 0.10 | | 37.45 | 6.23 | 24.98 | 0.000 | 0.540 |
| 6/30/2002 | 0.92 | 0.19 | 0.20 | | 37.48 | 6.24 | 24.98 | 0.000 | 0.539 |
| 7/31/2002 | 0.94 | 0.11 | 0.12 | | 37.51 | 6.24 | 24.98 | 0.000 | 0.539 |
| 8/31/2002 | 0.70 | 0.05 | 0.07 | | 37.53 | 6.24 | 24.98 | 0.000 | 0.539 |
| 9/30/2002 | 0.69 | 0.05 | 0.07 | | 37.55 | 6.24 | 24.98 | 0.000 | 0.538 |
| 10/31/2002 | 0.49 | 0.04 | 0.07 | | 37.57 | 6.25 | 24.98 | 0.000 | 0.538 |
| 11/30/2002 | 0.67 | 0.05 | 0.08 | | 37.59 | 6.25 | 24.98 | 0.000 | 0.538 |
| 12/31/2002 | 0.73 | 0.05 | 0.08 | | 37.61 | 6.25 | 24.98 | 0.000 | 0.538 |
| 1/31/2003 | 0.69 | 0.05 | 0.08 | | 37.63 | 6.25 | 24.98 | 0.000 | 0.537 |
| 2/28/2003 | 0.61 | 0.05 | 0.09 | | 37.65 | 6.25 | 24.98 | 0.000 | 0.537 |
| 3/31/2003 | 0.63 | 0.05 | 0.08 | | 37.67 | 6.25 | 24.98 | 0.000 | 0.537 |
| 4/30/2003 | 0.64 | 0.05 | 0.08 | | 37.69 | 6.25 | 24.98 | 0.000 | 0.537 |
| 5/31/2003 | 0.65 | 0.05 | 0.08 | | 37.71 | 6.26 | 24.98 | 0.000 | 0.536 |
| 6/30/2003 | 0.68 | 0.05 | 0.07 | | 37.73 | 6.26 | 24.98 | 0.000 | 0.536 |
| 7/31/2003 | 0.65 | 0.05 | 0.08 | | 37.75 | 6.26 | 24.98 | 0.000 | 0.536 |
| 8/31/2003 | 0.63 | 0.05 | 0.08 | | 37.77 | 6.26 | 24.98 | 0.000 | 0.535 |
| 9/30/2003 | 0.56 | 0.05 | 0.09 | | 37.79 | 6.26 | 24.98 | 0.000 | 0.535 |
| 10/31/2003 | 0.59 | 0.05 | 0.09 | | 37.80 | 6.26 | 24.98 | 0.000 | 0.535 |
| 11/30/2003 | 0.61 | 0.06 | 0.09 | | 37.82 | 6.27 | 24.98 | 0.000 | 0.535 |
| 12/31/2003 | 0.61 | 0.05 | 0.09 | | 37.84 | 6.27 | 24.98 | 0.000 | 0.534 |
| 1/31/2004 | 0.57 | 0.05 | 0.10 | | 37.86 | 6.27 | 24.98 | 0.000 | 0.534 |
| 2/29/2004 | 0.57 | 0.06 | 0.10 | | 37.87 | 6.27 | 24.98 | 0.000 | 0.534 |
| 3/31/2004 | 0.55 | 0.05 | 0.09 | | 37.89 | 6.27 | 24.98 | 0.000 | 0.534 |
| 4/30/2004 | 0.58 | 0.05 | 0.09 | | 37.91 | 6.27 | 24.98 | 0.000 | 0.534 |
| 5/31/2004 | 0.60 | 0.05 | 0.09 | | 37.93 | 6.28 | 24.98 | 0.000 | 0.533 |
| 6/30/2004 | 0.65 | 0.06 | 0.09 | | 37.95 | 6.28 | 24.98 | 0.000 | 0.533 |
| 7/31/2004 | 0.62 | 0.05 | 0.08 | | 37.97 | 6.28 | 24.98 | 0.000 | 0.533 |
| 8/31/2004 | 0.59 | 0.05 | 0.09 | | 37.98 | 6.28 | 24.98 | 0.000 | 0.533 |
| 9/30/2004 | 0.58 | 0.04 | 0.07 | | 38.00 | 6.28 | 24.98 | 0.000 | 0.532 |
| 10/31/2004 | 0.74 | 0.06 | 0.08 | | 38.02 | 6.28 | 24.98 | 0.000 | 0.532 |
| 11/30/2004 | 0.72 | 0.05 | 0.07 | | 38.05 | 6.29 | 24.98 | 0.000 | 0.532 |
| 12/31/2004 | 0.68 | 0.05 | 0.08 | | 38.07 | 6.29 | 24.98 | 0.000 | 0.532 |
| 1/31/2005 | 0.54 | 0.04 | 0.08 | | 38.08 | 6.29 | 24.98 | 0.000 | 0.531 |
| 2/28/2005 | 0.59 | 0.05 | 0.08 | | 38.10 | 6.29 | 24.98 | 0.000 | 0.531 |
| 3/31/2005 | 0.56 | 0.04 | 0.07 | | 38.12 | 6.29 | 24.98 | 0.000 | 0.531 |
| 4/30/2005 | 0.61 | 0.04 | 0.07 | | 38.14 | 6.29 | 24.98 | 0.000 | 0.531 |
| 5/31/2005 | 0.58 | 0.04 | 0.07 | | 38.15 | 6.29 | 24.98 | 0.000 | 0.530 |
| 6/30/2005 | 0.60 | 0.04 | 0.07 | | 38.17 | 6.29 | 24.98 | 0.000 | 0.530 |
| 7/31/2005 | 0.60 | 0.04 | 0.07 | | 38.19 | 6.30 | 24.98 | 0.000 | 0.530 |
| 8/31/2005 | 0.65 | 0.04 | 0.06 | | 38.21 | 6.30 | 24.98 | 0.000 | 0.530 |
| 9/30/2005 | 0.63 | 0.04 | 0.07 | | 38.23 | 6.30 | 24.98 | 0.000 | 0.529 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | WOR m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | VRR | Cum VRR |
|------------|-----------------------------|-------------------------------|--------------|-----------------------------------|---------------------------|-----------------------------|----------------------------|-------|------------|
| 10/31/2005 | 0.61 | 0.04 | 0.06 | | 38.25 | 6.30 | 24.98 | 0.000 | 0.529 |
| 11/30/2005 | 0.63 | 0.04 | 0.06 | | 38.27 | 6.30 | 24.98 | 0.000 | 0.529 |
| 12/31/2005 | 0.64 | 0.04 | 0.07 | | 38.29 | 6.30 | 24.98 | 0.000 | 0.529 |
| 1/31/2006 | 0.71 | 0.04 | 0.06 | | 38.31 | 6.30 | 24.98 | 0.000 | 0.528 |
| 2/28/2006 | 0.61 | 0.04 | 0.06 | | 38.33 | 6.30 | 24.98 | 0.000 | 0.528 |
| 3/31/2006 | 0.57 | 0.04 | 0.07 | | 38.34 | 6.31 | 24.98 | 0.000 | 0.528 |
| 4/30/2006 | 0.56 | 0.04 | 0.07 | | 38.36 | 6.31 | 24.98 | 0.000 | 0.528 |
| 5/31/2006 | 0.56 | 0.05 | 0.08 | | 38.38 | 6.31 | 24.98 | 0.000 | 0.528 |
| 6/30/2006 | 0.63 | 0.05 | 0.08 | | 38.40 | 6.31 | 24.98 | 0.000 | 0.527 |
| 7/31/2006 | 0.58 | 0.05 | 0.08 | | 38.41 | 6.31 | 24.98 | 0.000 | 0.527 |
| 8/31/2006 | 0.62 | 0.05 | 0.08 | | 38.43 | 6.31 | 24.98 | 0.000 | 0.527 |
| 9/30/2006 | 0.64 | 0.05 | 0.07 | | 38.45 | 6.31 | 24.98 | 0.000 | 0.527 |
| 10/31/2006 | 0.61 | 0.05 | 0.09 | | 38.47 | 6.32 | 24.98 | 0.000 | 0.526 |
| 11/30/2006 | 0.67 | 0.05 | 0.07 | | 38.49 | 6.32 | 24.98 | 0.000 | 0.526 |
| 12/31/2006 | 0.62 | 0.04 | 0.06 | | 38.51 | 6.32 | 24.98 | 0.000 | 0.526 |
| 1/31/2007 | 0.61 | 0.05 | 0.08 | | 38.53 | 6.32 | 24.98 | 0.000 | 0.526 |
| 2/28/2007 | 0.59 | 0.05 | 0.08 | | 38.55 | 6.32 | 24.98 | 0.000 | 0.525 |
| 3/31/2007 | 0.59 | 0.04 | 0.06 | | 38.57 | 6.32 | 24.98 | 0.000 | 0.525 |
| 4/30/2007 | 0.56 | 0.05 | 0.08 | | 38.58 | 6.32 | 24.98 | 0.000 | 0.525 |
| 5/31/2007 | 0.53 | 0.05 | 0.10 | | 38.60 | 6.33 | 24.98 | 0.000 | 0.525 |
| 6/30/2007 | 0.60 | 0.05 | 0.09 | | 38.62 | 6.33 | 24.98 | 0.000 | 0.525 |
| 7/31/2007 | 0.53 | 0.07 | 0.13 | | 38.63 | 6.33 | 24.98 | 0.000 | 0.524 |
| 8/31/2007 | 0.58 | 0.08 | 0.15 | | 38.65 | 6.33 | 24.98 | 0.000 | 0.524 |
| 9/30/2007 | 0.50 | 0.08 | 0.16 | | 38.67 | 6.33 | 24.98 | 0.000 | 0.524 |
| 10/31/2007 | 0.54 | 0.10 | 0.19 | | 38.68 | 6.34 | 24.98 | 0.000 | 0.524 |
| 11/30/2007 | 0.56 | 0.10 | 0.18 | | 38.70 | 6.34 | 24.98 | 0.000 | 0.523 |
| 12/31/2007 | 0.56 | 0.10 | 0.18 | | 38.72 | 6.34 | 24.98 | 0.000 | 0.523 |
| 1/31/2008 | 0.55 | 0.10 | 0.17 | | 38.73 | 6.35 | 24.98 | 0.000 | 0.523 |
| 2/29/2008 | 0.58 | 0.10 | 0.17 | | 38.75 | 6.35 | 24.98 | 0.000 | 0.523 |
| 3/31/2008 | 0.58 | 0.10 | 0.17 | | 38.77 | 6.35 | 24.98 | 0.000 | 0.522 |
| 4/30/2008 | 0.67 | 0.04 | 0.06 | | 38.79 | 6.35 | 24.98 | 0.000 | 0.522 |
| 5/31/2008 | 0.69 | 0.02 | 0.03 | | 38.81 | 6.35 | 24.98 | 0.000 | 0.522 |
| 6/30/2008 | 0.70 | 0.02 | 0.03 | | 38.83 | 6.35 | 24.98 | 0.000 | 0.522 |
| 7/31/2008 | 0.65 | 0.02 | 0.03 | | 38.85 | 6.36 | 24.98 | 0.000 | 0.521 |
| 8/31/2008 | 0.70 | 0.02 | 0.03 | | 38.87 | 6.36 | 24.98 | 0.000 | 0.521 |
| 9/30/2008 | 0.71 | 0.02 | 0.03 | | 38.89 | 6.36 | 24.98 | 0.000 | 0.521 |
| 10/31/2008 | 0.70 | 0.02 | 0.02 | | 38.92 | 6.36 | 24.98 | 0.000 | 0.521 |
| 11/30/2008 | 0.72 | 0.02 | 0.03 | | 38.94 | 6.36 | 24.98 | 0.000 | 0.520 |
| 12/31/2008 | 0.38 | 0.01 | 0.03 | | 38.95 | 6.36 | 24.98 | 0.000 | 0.520 |
| 1/31/2009 | 0.67 | 0.02 | 0.03 | | 38.97 | 6.36 | 24.98 | 0.000 | 0.520 |
| 2/28/2009 | 0.59 | 0.03 | 0.05 | | 38.99 | 6.36 | 24.98 | 0.000 | 0.520 |
| 3/31/2009 | 0.76 | 0.10 | 0.13 | | 39.01 | 6.36 | 24.98 | 0.000 | 0.520 |
| 4/30/2009 | 0.77 | 0.11 | 0.14 | | 39.03 | 6.37 | 24.98 | 0.000 | 0.519 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | WOR m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | VRR | Cum VRR |
|------------|-----------------------------|-------------------------------|--------------|-----------------------------------|---------------------------|-----------------------------|----------------------------|-------|------------|
| 5/31/2009 | 0.65 | 0.10 | 0.15 | | 39.05 | 6.37 | 24.98 | 0.000 | 0.519 |
| 7/31/2009 | 1.06 | 0.20 | 0.18 | | 39.09 | 6.38 | 24.98 | 0.000 | 0.519 |
| 8/31/2009 | 1.15 | 0.21 | 0.18 | | 39.12 | 6.38 | 24.98 | 0.000 | 0.518 |
| 9/30/2009 | 1.16 | 0.21 | 0.18 | | 39.16 | 6.39 | 24.98 | 0.000 | 0.518 |
| 10/31/2009 | 1.08 | 0.18 | 0.17 | | 39.19 | 6.39 | 24.98 | 0.000 | 0.517 |
| 11/30/2009 | 1.01 | 0.18 | 0.18 | | 39.22 | 6.40 | 24.98 | 0.000 | 0.517 |
| 12/31/2009 | 1.06 | 0.18 | 0.17 | | 39.25 | 6.40 | 24.98 | 0.000 | 0.516 |
| 1/31/2010 | 0.98 | 0.17 | 0.18 | | 39.28 | 6.41 | 24.98 | 0.000 | 0.516 |
| 2/28/2010 | 1.15 | 0.21 | 0.19 | | 39.32 | 6.42 | 24.98 | 0.000 | 0.515 |
| 3/31/2010 | 1.16 | 0.23 | 0.20 | | 39.35 | 6.42 | 24.98 | 0.000 | 0.515 |
| 4/30/2010 | 1.11 | 0.28 | 0.25 | | 39.39 | 6.43 | 24.98 | 0.000 | 0.514 |
| 5/31/2010 | 0.94 | 0.27 | 0.29 | | 39.42 | 6.44 | 24.98 | 0.000 | 0.514 |
| 6/30/2010 | 0.83 | 0.25 | 0.30 | | 39.44 | 6.45 | 24.98 | 0.000 | 0.514 |
| 7/31/2010 | 0.68 | 0.19 | 0.28 | | 39.46 | 6.45 | 24.98 | 0.000 | 0.513 |
| 8/31/2010 | 1.17 | 0.29 | 0.25 | | 39.50 | 6.46 | 24.98 | 0.000 | 0.513 |
| 9/30/2010 | 1.09 | 0.28 | 0.25 | | 39.53 | 6.47 | 24.98 | 0.000 | 0.512 |
| 10/31/2010 | 1.09 | 0.28 | 0.26 | | 39.56 | 6.48 | 24.98 | 0.000 | 0.512 |
| 11/30/2010 | 1.07 | 0.27 | 0.25 | | 39.60 | 6.49 | 24.98 | 0.000 | 0.512 |
| 12/31/2010 | 1.08 | 0.34 | 0.31 | | 39.63 | 6.50 | 24.98 | 0.000 | 0.511 |
| 1/31/2011 | 1.06 | 0.29 | 0.27 | | 39.66 | 6.51 | 24.98 | 0.000 | 0.511 |
| 2/28/2011 | 1.06 | 0.29 | 0.28 | | 39.69 | 6.51 | 24.98 | 0.000 | 0.510 |
| 3/31/2011 | 1.02 | 0.33 | 0.32 | | 39.72 | 6.52 | 24.98 | 0.000 | 0.510 |
| 4/30/2011 | 1.04 | 0.30 | 0.29 | | 39.76 | 6.53 | 24.98 | 0.000 | 0.509 |
| 5/31/2011 | 1.10 | 0.30 | 0.27 | | 39.79 | 6.54 | 24.98 | 0.000 | 0.509 |
| 6/30/2011 | 1.13 | 0.30 | 0.27 | | 39.82 | 6.55 | 24.98 | 0.000 | 0.508 |
| 7/31/2011 | 0.77 | 0.22 | 0.28 | | 39.85 | 6.56 | 24.98 | 0.000 | 0.508 |
| 8/31/2011 | 1.11 | 0.28 | 0.25 | | 39.88 | 6.57 | 24.98 | 0.000 | 0.508 |
| 9/30/2011 | 0.83 | 0.18 | 0.22 | | 39.91 | 6.57 | 24.98 | 0.000 | 0.507 |
| 10/31/2011 | 0.79 | 0.20 | 0.25 | | 39.93 | 6.58 | 24.98 | 0.000 | 0.507 |
| 11/30/2011 | 0.70 | 0.20 | 0.28 | | 39.95 | 6.59 | 24.98 | 0.000 | 0.507 |
| 12/31/2011 | 0.70 | 0.20 | 0.29 | | 39.97 | 6.59 | 24.98 | 0.000 | 0.506 |
| 1/31/2012 | 0.27 | 0.08 | 0.30 | | 39.98 | 6.59 | 24.98 | 0.000 | 0.506 |
| 2/29/2012 | 0.65 | 0.19 | 0.29 | | 40.00 | 6.60 | 24.98 | 0.000 | 0.506 |
| 3/31/2012 | 0.65 | 0.18 | 0.27 | | 40.02 | 6.60 | 24.98 | 0.000 | 0.506 |
| 4/30/2012 | 0.58 | 0.08 | 0.14 | | 40.04 | 6.61 | 24.98 | 0.000 | 0.505 |
| 5/31/2012 | 0.67 | 0.07 | 0.11 | | 40.06 | 6.61 | 24.98 | 0.000 | 0.505 |
| 6/30/2012 | 0.05 | 0.01 | 0.13 | | 40.06 | 6.61 | 24.98 | 0.000 | 0.505 |
| 7/31/2012 | 0.22 | 0.02 | 0.10 | | 40.07 | 6.61 | 24.98 | 0.000 | 0.505 |
| 8/31/2012 | 1.03 | 0.07 | 0.07 | | 40.10 | 6.61 | 24.98 | 0.000 | 0.505 |
| 9/30/2012 | 0.83 | 0.07 | 0.08 | | 40.12 | 6.61 | 24.98 | 0.000 | 0.504 |
| 10/31/2012 | 1.05 | 0.08 | 0.08 | | 40.16 | 6.62 | 24.98 | 0.000 | 0.504 |
| 11/30/2012 | 0.66 | 0.01 | 0.02 | | 40.18 | 6.62 | 24.98 | 0.000 | 0.504 |
| 12/31/2012 | 0.64 | 0.01 | 0.02 | | 40.20 | 6.62 | 24.98 | 0.000 | 0.504 |

| Date | Oil Rate (CD) m3/d | Water Rate (CD) m3/d | WOR m3/m3 | Water Inj Rate (CD) m3/d | Cum Oil Prod Km3 | Cum Water Prod Km3 | Cum Water Inj Km3 | VRR | Cum VRR |
|------------|-----------------------------|-------------------------------|--------------|-----------------------------------|---------------------------|-----------------------------|----------------------------|-------|------------|
| 1/31/2013 | 0.60 | 0.01 | 0.02 | | 40.21 | 6.62 | 24.98 | 0.000 | 0.503 |
| 2/28/2013 | 0.63 | 0.01 | 0.02 | | 40.23 | 6.62 | 24.98 | 0.000 | 0.503 |
| 3/31/2013 | 0.64 | 0.01 | 0.02 | | 40.25 | 6.62 | 24.98 | 0.000 | 0.503 |
| 4/30/2013 | 0.65 | 0.01 | 0.02 | | 40.27 | 6.62 | 24.98 | 0.000 | 0.503 |
| 5/31/2013 | 0.32 | 0.00 | 0.01 | | 40.28 | 6.62 | 24.98 | 0.000 | 0.503 |
| 6/30/2013 | 0.10 | 0.00 | 0.00 | | 40.28 | 6.62 | 24.98 | 0.000 | 0.503 |
| 7/31/2013 | 0.05 | 0.00 | 0.00 | | 40.29 | 6.62 | 24.98 | 0.000 | 0.503 |
| 8/31/2013 | 0.09 | 0.00 | 0.00 | | 40.29 | 6.62 | 24.98 | 0.000 | 0.503 |
| 9/30/2013 | 0.11 | 0.00 | 0.00 | | 40.29 | 6.62 | 24.98 | 0.000 | 0.503 |
| 10/31/2013 | 0.20 | 0.01 | 0.05 | | 40.30 | 6.62 | 24.98 | 0.000 | 0.502 |
| 11/30/2013 | 0.20 | 0.01 | 0.05 | | 40.30 | 6.62 | 24.98 | 0.000 | 0.502 |
| 12/31/2013 | 0.21 | 0.01 | 0.05 | | 40.31 | 6.62 | 24.98 | 0.000 | 0.502 |
| 1/31/2014 | 0.22 | 0.01 | 0.04 | | 40.32 | 6.62 | 24.98 | 0.000 | 0.502 |
| 2/28/2014 | 0.22 | 0.01 | 0.05 | | 40.32 | 6.62 | 24.98 | 0.000 | 0.502 |
| 3/31/2014 | 0.19 | 0.01 | 0.05 | | 40.33 | 6.62 | 24.98 | 0.000 | 0.502 |
| 4/30/2014 | 0.21 | 0.01 | 0.05 | | 40.34 | 6.62 | 24.98 | 0.000 | 0.502 |
| 5/31/2014 | 0.20 | 0.01 | 0.05 | | 40.34 | 6.62 | 24.98 | 0.000 | 0.502 |
| 6/30/2014 | 0.08 | 0.00 | 0.04 | | 40.34 | 6.62 | 24.98 | 0.000 | 0.502 |