

**NORTH PIERSON UNIT NO. 1
WATERFLOOD EOR PROJECT

ANNUAL REPORT FOR 2016**

July 31, 2017

Tundra Oil and Gas Partnership

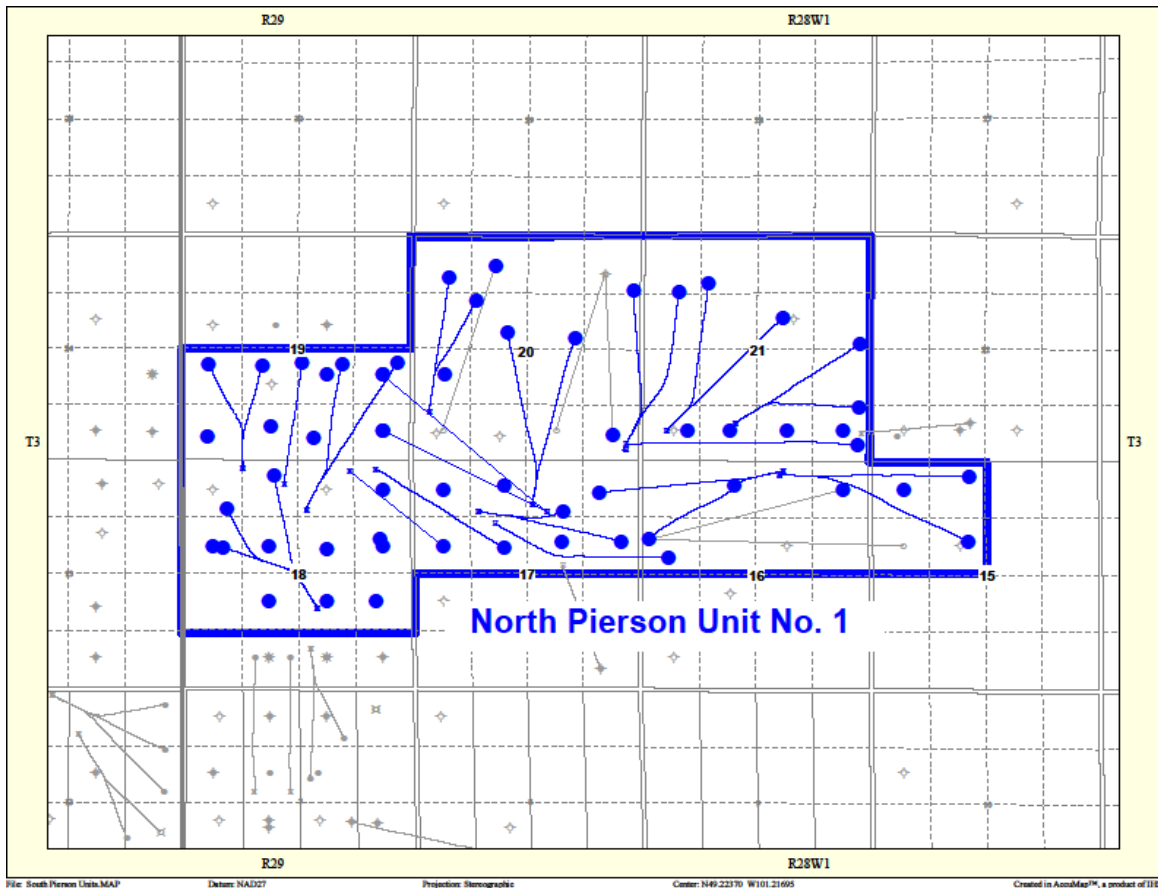
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INTRODUCTION

North Pierson Unit No. 1 Enhanced Oil Recovery (EOR) Waterflood Project was approved under Waterflood Order No. 31, effective January 1st, 2014 with Tundra Oil and Gas as Operator. The EOR project area, outlined in blue in Figure 1, contains 1 deviated, 27 vertical and 30 horizontal wells in 72 LSDs in Township 3, Range 28W1. Well list and well status is available in Appendix A.

Figure 1: North Pierson Unit No. 1 Area Outline



In accordance with Section 73 of the Manitoba Drilling and Production Regulation, Tundra submits the following 2016 Annual Progress Report for North Pierson Unit No. 1 as required by Waterflood Order No. 31.

DISCUSSION

Production History

For the wells included in North Pierson Unit No. 1, production started in November 1965 with the 00/13-17-003-28W1/00 well. Oil production peaked at 74.7 m³/d in March of 2007. In 2016, the average production for the unit was 29.1 m³/d of oil and 160.9 m³/d of water, and the average WOR was 4.67 m³/m³. Water injection commenced in North Pierson Unit No. 1 in February 2014. The rates and WOR are presented in Figure 2.

Figure 2: North Pierson Unit No. 1 Production/Injection Rates and WOR vs. Time

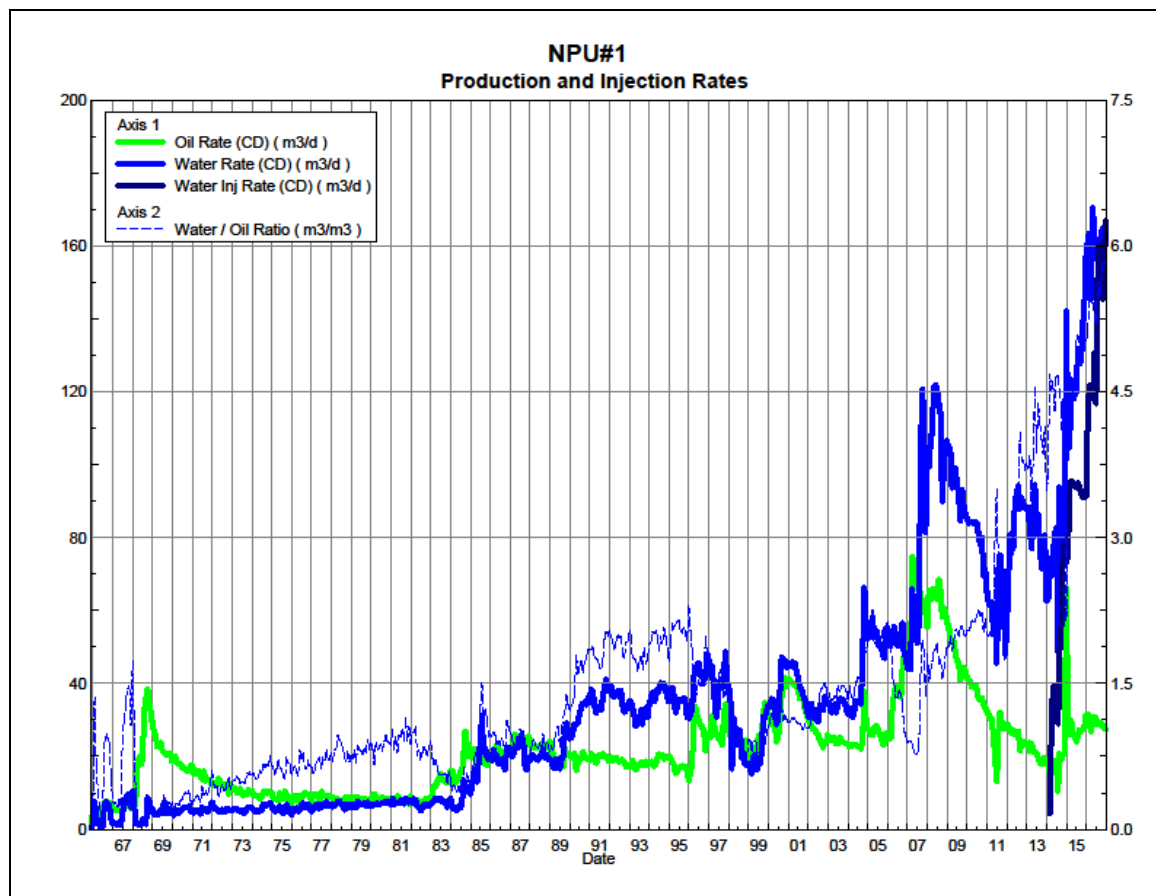
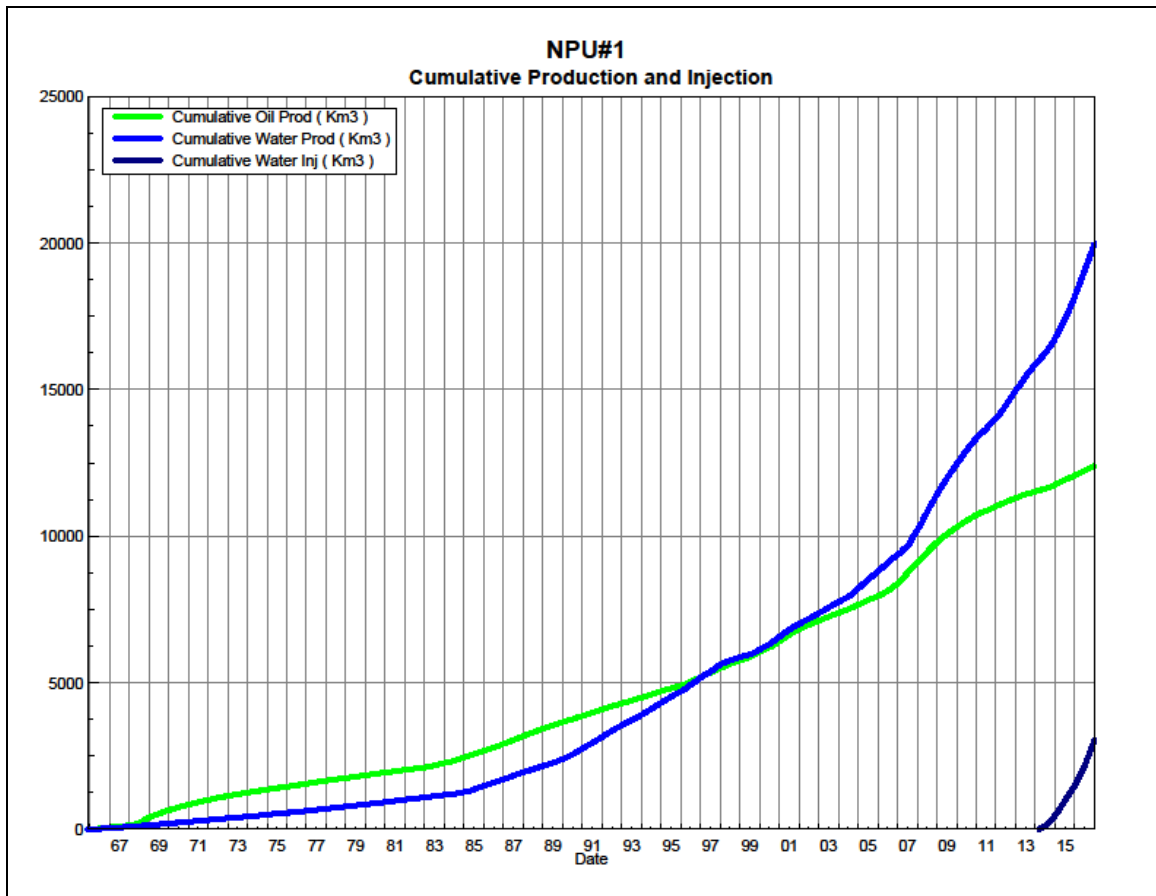


Figure 3 shows the cumulative production for North Pierson Unit No. 1 to the end of December 2016 as 407.0 e³m³ of oil and 655.3 e³m³ of water, representing a 27.6% recovery factor of the OOIP. The cumulative water injected is 99.86 e³m³.

Figure 3: NPU1 Cumulative Oil, Water and Water Injected vs. Time



Waterflood History

North Pierson Unit No. 1 is still in the development phase at the end of 2016. In January 2014, the 00/11-17 and 02/07-19-003-38W1 producers were converted to injectors. In 2016, the 02/10-21 (dual leg) and 03/01-21-003-28W1 horizontal producers were converted to injectors.

Production performance by injector pattern is summarized in Appendix B.

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

Injection water for the proposed North Pierson Unit No. 1 is supplied from the Mannville formation in the 100/03-18-03-28W1 (00/03-18) well. Mannville water is pumped from the 100/03-18 source well to the Pierson 01-18-03-28W1 battery, where it is filtered and then pumped up to injection system pressure.

Injection Wellhead Pressures

Injection started in this Unit in February 2014. The average monthly wellhead injection pressure for each injector is summarized in Appendix C. Since injection in this Unit is still in the early stages, the injectors are still building up to a target injection pressure of 6300 kPaa.

Reservoir Pressure

It is estimated the initial reservoir pressure of the Mission Canyon (Alida) was approximately 9.8 MPa based on early DST's collected from the initial vertical wells drilled within the proposed Unit boundary. Subsequent DST's run with additional drilling indicates pressure depletion over time with fluid withdrawal.

Where practical, Tundra is committed to collecting pressure data from newly drilled injection wells.

Well Servicing

The following table illustrates the maintenance done on the North Pierson Unit 1 wells on 2016.

UWI	Date	Workover
100.11-17-003-28W1.00	9/29/2016	Repair Failed Injection Packer
102.08-19-003-28W1.00	2/4/2016	Upsize BHP

Waterflood Performance Discussion

At the end of 2016, North Pierson Unit No. 1 waterflood area had 4 fairly new injection patterns in place. From January 1 to December 31 in 2016, North Pierson Unit No. 1 produced 69,533 m³ of total fluids (10,652 m³ oil, 58,880 m³ water), and injected 50,758 m³ of source water, giving an annual oil and water voidage replacement ratio (VRR) of 0.729 for this reporting period. The cumulative VRR since injection commenced in Feb 2014 is presently at 0.086.

A summary table of the injector pattern(s) is presented in Appendix B. Plots of the production are presented in Appendix D for each of the injection pattern(s).

List of Appendices

Appendix A: Well List and Well Status

Appendix B: Injection Pattern Summary

Appendix C: Average Monthly Injection Pressure Summary

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

Plot and Table for the following injectors:

00/11-17-003-28W1/0

02/07-19-003-28W1/0

APPENDIX A

UWI	Surface Location	Type	Well Status
102/11-15-003-28W1/2	100/15-16-003-28W1/2	Horizontal	Capable of OIL Prod
100/13-15-003-28W1/0		Vertical	Capable of OIL Prod
100/14-15-003-28W1/0	100/15-16-003-28W1/0	Horizontal	Capable of OIL Prod
100/12-16-003-28W1/0	100/11-17-003-28W1/0	Horizontal	Capable of OIL Prod
102/12-16-003-28W1/0	102/15-16-003-28W1/2	Horizontal	Capable of OIL Prod
100/14-16-003-28W1/0		Vertical	ABD Producer
100/16-16-003-28W1/0		Vertical	ABD Producer
100/09-17-003-28W1/2	100/14-17-003-28W1/0	Horizontal	Capable of OIL Prod
100/10-17-003-28W1/0		Vertical	Capable of OIL Prod
100/11-17-003-28W1/0	100/16-18-003-28W1/0	Horizontal	WTR Injection
100/12-17-003-28W1/0	100/15-18-003-28W1/0	Horizontal	Capable of OIL Prod
100/13-17-003-28W1/0		Vertical	Capable of OIL Prod
100/14-17-003-28W1/0		Vertical	ABD Producer
100/15-17-003-28W1/0	100/14-17-003-28W1/0	Horizontal	Capable of OIL Prod
100/16-17-003-28W1/2	100/15-16-003-28W1/0	Horizontal	Capable of OIL Prod
100/06-18-003-28W1/0		Vertical	Capable of OIL Prod
100/07-18-003-28W1/0		Vertical	ABD Producer
100/08-18-003-28W1/0		Vertical	ABD Producer
100/09-18-003-28W1/0		Vertical	ABD Producer
102/09-18-003-28W1/0		Vertical	ABD Producer
100/10-18-003-28W1/0		Vertical	Capable of OIL Prod
100/11-18-003-28W1/0		Vertical	Capable of OIL Prod
100/12-18-003-28W1/0		Vertical	ABD Producer
102/12-18-003-28W1/2	100/07-18-003-28W1/0	Horizontal	Capable of OIL Prod
102/13-18-003-28W1/3	100/07-18-003-28W1/0	Horizontal	Capable of OIL Prod
100/14-18-003-28W1/0	100/07-18-003-28W1/0	Horizontal	Capable of OIL Prod
100/16-18-003-28W1/0		Vertical	ABD Producer
100/01-19-003-28W1/0	100/01-19-003-28W1/0	Dir/Dev	ABD Producer
102/01-19-003-28W1/0	102/15-17-003-28W1/0	Horizontal	Capable of OIL Prod
100/02-19-003-28W1/0		Vertical	Capable of OIL Prod
100/03-19-003-28W1/0		Vertical	Capable of OIL Prod
100/04-19-003-28W1/0		Vertical	Capable of OIL Prod
102/05-19-003-28W1/0	100/14-18-003-28W1/0	Horizontal	Capable of OIL Prod
100/06-19-003-28W1/2	100/14-18-003-28W1/0	Horizontal	Capable of OIL Prod
100/07-19-003-28W1/0		Vertical	ABD Producer
102/07-19-003-28W1/0	100/14-18-003-28W1/0	Horizontal	WTR Injection
102/07-19-003-28W1/2	100/15-18-003-28W1/0	Horizontal	Capable of OIL Prod
100/08-19-003-28W1/0		Vertical	ABD Producer
102/08-19-003-28W1/0	100/15-18-003-28W1/0	Horizontal	Capable of OIL Prod
103/08-19-003-28W1/2	103/15-17-003-28W1/2	Horizontal	Completing
100/01-20-003-28W1/2		Vertical	ABD Producer
100/05-20-003-28W1/0		Vertical	Capable of OIL Prod
100/07-20-003-28W1/2	100/15-17-003-28W1/0	Horizontal	Capable of OIL Prod
100/11-20-003-28W1/0	100/15-17-003-28W1/0	Horizontal	Capable of OIL Prod
102/11-20-003-28W1/2	100/04-20-003-28W1/0	Horizontal	Capable of OIL Prod
100/13-20-003-28W1/0	100/04-20-003-28W1/0	Horizontal	Capable of OIL Prod
100/14-20-003-28W1/0		Vertical	ABD Producer
100/16-20-003-28W1/2	100/01-20-003-28W1/2	Horizontal	Capable of OIL Prod
100/01-21-003-28W1/0		Vertical	Capable of OIL Prod
102/01-21-003-28W1/0	100/03-21-003-28W1/0	Horizontal	Capable of OIL Prod
103/01-21-003-28W1/0	103/01-20-003-28W1/0	Horizontal	WTR Injection
100/02-21-003-28W1/0		Vertical	ABD Producer
100/03-21-003-28W1/0		Vertical	Capable of OIL Prod
102/04-21-003-28W1/0		Vertical	ABD Producer
100/09-21-003-28W1/2	100/03-21-003-28W1/2	Horizontal	Capable of OIL Prod
102/10-21-003-28W1/0	100/04-21-003-28W1/0	Horizontal	WTR Injection
100/12-21-003-28W1/0	100/01-20-003-28W1/0	Horizontal	Capable of OIL Prod
100/14-21-003-28W1/2	100/04-21-003-28W1/0	Horizontal	WTR Injection

Appendix B

North Pierson Unit No. 1 Pattern Summary as of December 2016

Pattern Name	Injector Location (003-28W1)	Status	No. of Supported Wells	Supported Wells (003-28W1)	Allocation Factor	Pattern Prod Start Month	Inj Start Month	Oil Rate (m³/d)	Water Rate (m³/d)	WOR (m³/m³)	Water Injection (m³/d)	Cum Oil (E³m³)	Cum Water (E³m³)	Cum Inj Water (E³m³)	Monthly VRR	Cum VRR
00/11-17-003-28 Injector	00/16-18	WTR Injection	5	00/15-17 02/01-19, 00/12-17 00/13-17 00/12-16	0.25 0.5 1 0.1	Nov 1965	Feb 2014	4.35	24.72	5.68	55.1	76.3	89.7	41.8	1.8	0.23
03/01-21-003-28 Injector	03/01-21	WTR Injection	7	00/01-21, 00/02-21, 00/03-21,00/04-21 02/01-21 00/16-17 00/14-15	1.0 0.5 0.3 0.25	Jul 1968	Jan 2016	1.90	4.90	2.58	29.2	41.1	32.6	10.3	4.0	0.12
02/10-21-003-28 Injector	02/10-21	WTR Injection	2	02/01-21, 00/12-21	0.5	Feb 2006	Jul 2016	0.54	0.75	1.38	29.9	21.8	4.8	5.2	21.1	0.16
02/07-19-003-28 Injector	00/14-18	WTR Injection	5	00/02-19, 00/03-19, 00/07-19 02/05-19, 02/08-19	1 0.5	Feb 1968	Feb 2014	2.78	36.92	13.28	52.8	45.7	125.8	42.6	1.3	0.23

Pattern allocations were modified from last year's report.

New Pattern

New Pattern

Pattern allocations were modified from last year's report.

Appendix C

Average Monthly Injection Pressures (kPa)

Month	Injection Pressure			
	100/11-17	102/07-19	102/10-21	103/01-21
Jan-14				
Feb-14	76	78		
Mar-14	91	93		
Apr-14	89	50		
May-14	28	-3		
Jun-14	0	-73		
Jul-14	-6	-37		
Aug-14	-53	-65		
Sep-14	-88	-90		
Oct-14	-89	745		
Nov-14	-85	1981		
Dec-14	-86	2000		
Jan-15	-85	2094		
Feb-15	-80	2829		
Mar-15	-60	2996		
Apr-15	428	3000		
May-15	807	3000		
Jun-15	1345	2992		
Jul-15	1765	2990		
Aug-15	2059	2985		
Sep-15	1997	2991		
Oct-15	2000	2997		
Nov-15	2001	2993		
Dec-15	2000	2976		
Jan-16	1999	2819		-56
Feb-16	1998	2789		-89
Mar-16	2000	2816		-34
Apr-16	1980	2778		803
May-16	2470	2852		1950
Jun-16	2738	2878		1984
Jul-16	2902	2907	-78	2365
Aug-16	2947	2936	-83	2983
Sep-16	2977	2921	-83	2974
Oct-16	1838	2728	-83	2980
Nov-16	2166	2785	-84	2994
Dec-16	2491	2917	-85	2985

Oil Formation Vol Factor : 1.24000 Pattern: 11-17-003-28Inj Set: NPU#1

Water Formation Vol Factor : 1.00000 m3/m3

August 01, 2017

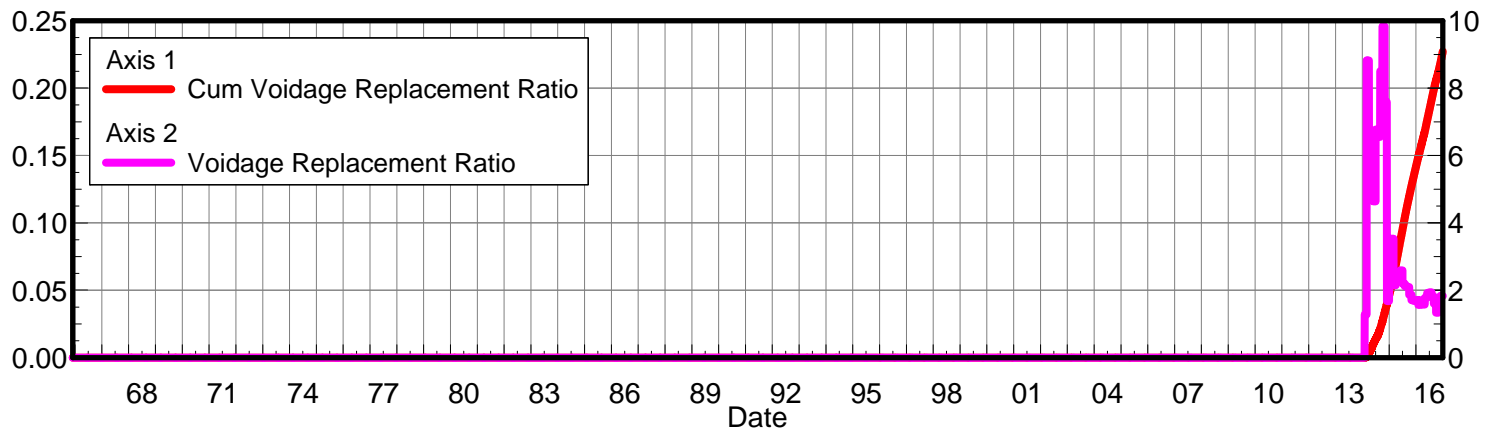
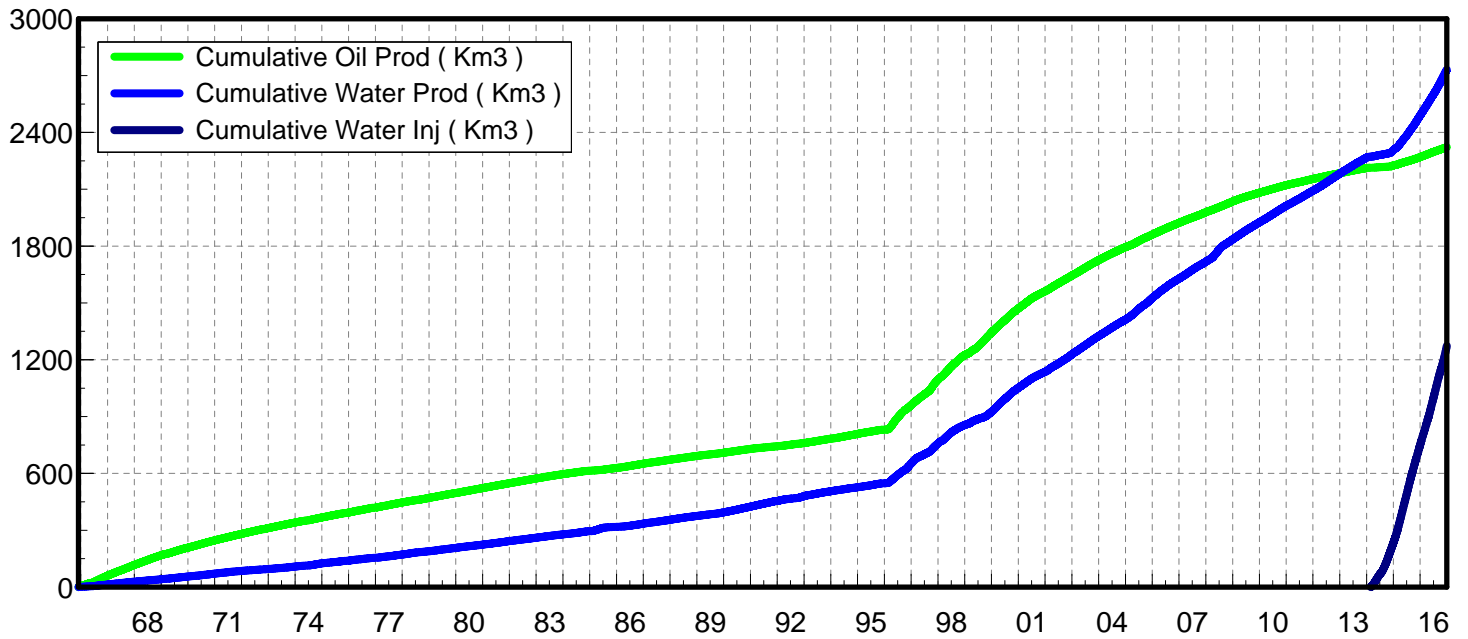
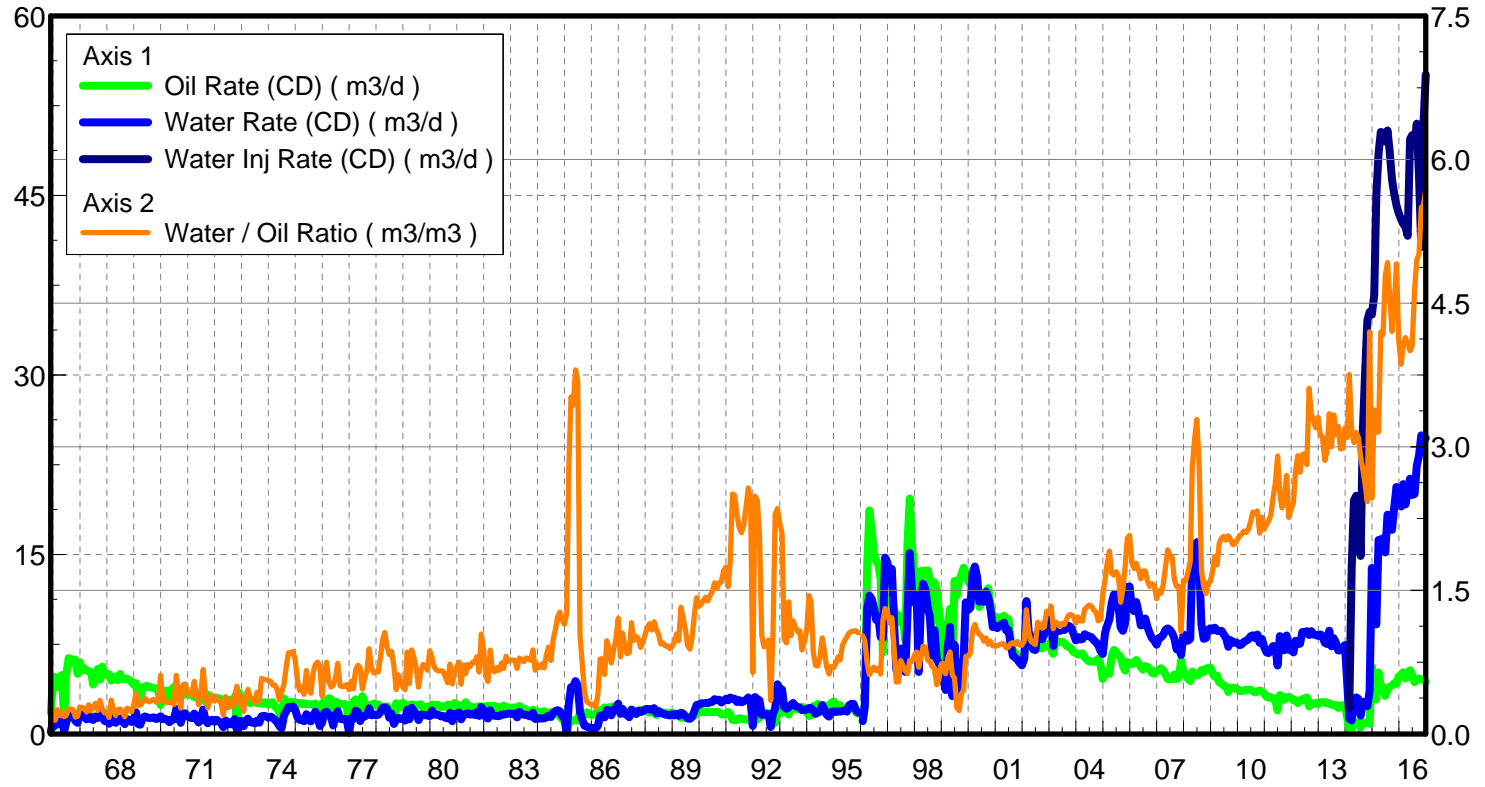
Water / Oil Ratio : 6.03 m3/m3

Operator: TUNDRA_OIL_&_GAS_LIMITED

Oil Rate (CD) : 4.03 m3/d

Water Rate (CD) : 24.30 m3/d

Water Inj Rate (CD) : 59.96 m3/d



Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
1/31/1965					0.00	0.00	0.00		
2/28/1965					0.00	0.00	0.00		
3/31/1965					0.00	0.00	0.00		
4/30/1965					0.00	0.00	0.00		
5/31/1965					0.00	0.00	0.00		
6/30/1965					0.00	0.00	0.00		
7/31/1965					0.00	0.00	0.00		
8/31/1965					0.00	0.00	0.00		
9/30/1965					0.00	0.00	0.00		
10/31/1965					0.00	0.00	0.00		
11/30/1965	1.77	0.18	0.10		0.05	0.01	0.00	0.000	0.000
12/31/1965	4.28	1.00	0.23		0.19	0.04	0.00	0.000	0.000
1/31/1966	4.77	0.68	0.14		0.33	0.06	0.00	0.000	0.000
2/28/1966	3.94	1.00	0.25		0.44	0.09	0.00	0.000	0.000
3/31/1966	4.65	0.89	0.19		0.59	0.11	0.00	0.000	0.000
4/30/1966	4.93	1.15	0.23		0.74	0.15	0.00	0.000	0.000
5/31/1966	1.28	0.23	0.18		0.78	0.16	0.00	0.000	0.000
6/30/1966	4.94	0.95	0.19		0.92	0.18	0.00	0.000	0.000
7/31/1966	6.35	1.65	0.26		1.12	0.23	0.00	0.000	0.000
8/31/1966	5.98	1.56	0.26		1.31	0.28	0.00	0.000	0.000
9/30/1966	6.23	1.57	0.25		1.49	0.33	0.00	0.000	0.000
10/31/1966	6.20	1.10	0.18		1.69	0.36	0.00	0.000	0.000
11/30/1966	5.04	0.93	0.19		1.84	0.39	0.00	0.000	0.000
12/31/1966	6.00	1.70	0.28		2.02	0.45	0.00	0.000	0.000
1/31/1967	5.31	1.43	0.27		2.19	0.49	0.00	0.000	0.000
2/28/1967	5.49	1.50	0.27		2.34	0.53	0.00	0.000	0.000
3/31/1967	5.33	1.23	0.23		2.51	0.57	0.00	0.000	0.000
4/30/1967	5.25	1.61	0.31		2.66	0.62	0.00	0.000	0.000
5/31/1967	5.17	1.25	0.24		2.82	0.66	0.00	0.000	0.000
6/30/1967	4.13	1.17	0.28		2.95	0.69	0.00	0.000	0.000
7/31/1967	4.60	1.47	0.32		3.09	0.74	0.00	0.000	0.000
8/31/1967	5.44	1.33	0.24		3.26	0.78	0.00	0.000	0.000
9/30/1967	4.53	1.59	0.35		3.39	0.83	0.00	0.000	0.000
10/31/1967	5.64	1.49	0.26		3.57	0.87	0.00	0.000	0.000
11/30/1967	4.95	1.10	0.22		3.72	0.91	0.00	0.000	0.000
12/31/1967	5.06	1.15	0.23		3.87	0.94	0.00	0.000	0.000
1/31/1968	4.98	0.85	0.17		4.03	0.97	0.00	0.000	0.000
2/29/1968	4.47	1.58	0.35		4.16	1.01	0.00	0.000	0.000
3/31/1968	4.70	1.17	0.25		4.30	1.05	0.00	0.000	0.000
4/30/1968	4.79	0.93	0.19		4.45	1.08	0.00	0.000	0.000
5/31/1968	4.51	1.15	0.25		4.59	1.11	0.00	0.000	0.000
6/30/1968	5.01	1.30	0.26		4.74	1.15	0.00	0.000	0.000
7/31/1968	4.59	1.05	0.23		4.88	1.18	0.00	0.000	0.000
8/31/1968	4.60	0.83	0.18		5.02	1.21	0.00	0.000	0.000
9/30/1968	4.64	1.25	0.27		5.16	1.25	0.00	0.000	0.000
10/31/1968	4.49	1.16	0.26		5.30	1.28	0.00	0.000	0.000
11/30/1968	4.35	1.01	0.23		5.43	1.31	0.00	0.000	0.000
12/31/1968	4.11	1.25	0.30		5.56	1.35	0.00	0.000	0.000
1/31/1969	4.25	1.81	0.43		5.69	1.41	0.00	0.000	0.000
2/28/1969	2.81	0.84	0.30		5.77	1.43	0.00	0.000	0.000
3/31/1969	2.55	0.77	0.30		5.85	1.46	0.00	0.000	0.000
4/30/1969	3.92	1.31	0.33		5.97	1.50	0.00	0.000	0.000
5/31/1969	3.92	1.46	0.37		6.09	1.54	0.00	0.000	0.000
6/30/1969	4.04	1.40	0.35		6.21	1.58	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	VRR	Cum VRR
7/31/1969	3.91	1.31	0.34		6.33	1.62	0.00	0.000	0.000
8/31/1969	3.87	1.36	0.35		6.45	1.67	0.00	0.000	0.000
9/30/1969	3.84	1.39	0.36		6.56	1.71	0.00	0.000	0.000
10/31/1969	3.75	1.25	0.33		6.68	1.75	0.00	0.000	0.000
11/30/1969	3.70	1.30	0.35		6.79	1.78	0.00	0.000	0.000
12/31/1969	2.41	1.48	0.61		6.87	1.83	0.00	0.000	0.000
1/31/1970	3.64	1.24	0.34		6.98	1.87	0.00	0.000	0.000
2/28/1970	3.62	1.27	0.35		7.08	1.90	0.00	0.000	0.000
3/31/1970	3.62	1.18	0.33		7.19	1.94	0.00	0.000	0.000
4/30/1970	2.95	0.98	0.33		7.28	1.97	0.00	0.000	0.000
5/31/1970	3.73	1.22	0.33		7.40	2.01	0.00	0.000	0.000
6/30/1970	3.92	1.21	0.31		7.51	2.04	0.00	0.000	0.000
7/31/1970	3.39	2.08	0.61		7.62	2.11	0.00	0.000	0.000
8/31/1970	3.48	1.46	0.42		7.73	2.15	0.00	0.000	0.000
9/30/1970	3.43	0.93	0.27		7.83	2.18	0.00	0.000	0.000
10/31/1970	3.37	1.73	0.51		7.93	2.24	0.00	0.000	0.000
11/30/1970	3.28	1.72	0.52		8.03	2.29	0.00	0.000	0.000
12/31/1970	3.33	1.45	0.44		8.14	2.33	0.00	0.000	0.000
1/31/1971	3.33	1.38	0.42		8.24	2.37	0.00	0.000	0.000
2/28/1971	3.21	1.32	0.41		8.33	2.41	0.00	0.000	0.000
3/31/1971	3.10	1.70	0.55		8.43	2.46	0.00	0.000	0.000
4/30/1971	3.04	1.27	0.42		8.52	2.50	0.00	0.000	0.000
5/31/1971	3.14	0.96	0.30		8.61	2.53	0.00	0.000	0.000
6/30/1971	3.08	1.28	0.41		8.71	2.57	0.00	0.000	0.000
7/31/1971	3.03	2.05	0.68		8.80	2.63	0.00	0.000	0.000
8/31/1971	2.70	1.15	0.43		8.88	2.67	0.00	0.000	0.000
9/30/1971	3.29	0.89	0.27		8.98	2.70	0.00	0.000	0.000
10/31/1971	3.03	1.13	0.37		9.08	2.73	0.00	0.000	0.000
11/30/1971	2.92	1.18	0.41		9.16	2.77	0.00	0.000	0.000
12/31/1971	2.99	1.02	0.34		9.26	2.80	0.00	0.000	0.000
1/31/1972	3.04	1.18	0.39		9.35	2.84	0.00	0.000	0.000
2/29/1972	2.97	1.03	0.35		9.44	2.87	0.00	0.000	0.000
3/31/1972	2.91	0.93	0.32		9.53	2.89	0.00	0.000	0.000
4/30/1972	2.83	0.56	0.20		9.61	2.91	0.00	0.000	0.000
5/31/1972	2.89	1.13	0.39		9.70	2.95	0.00	0.000	0.000
6/30/1972	2.86	0.78	0.27		9.79	2.97	0.00	0.000	0.000
7/31/1972	2.83	0.98	0.35		9.88	3.00	0.00	0.000	0.000
8/31/1972	2.77	0.79	0.29		9.96	3.02	0.00	0.000	0.000
9/30/1972	3.08	1.23	0.40		10.05	3.06	0.00	0.000	0.000
10/31/1972	0.69	0.35	0.50		10.08	3.07	0.00	0.000	0.000
11/30/1972	3.45	1.08	0.31		10.18	3.10	0.00	0.000	0.000
12/31/1972	2.77	1.07	0.39		10.27	3.14	0.00	0.000	0.000
1/31/1973	2.75	0.65	0.24		10.35	3.16	0.00	0.000	0.000
2/28/1973	2.75	1.09	0.39		10.43	3.19	0.00	0.000	0.000
3/31/1973	2.75	1.28	0.47		10.51	3.23	0.00	0.000	0.000
4/30/1973	2.57	0.98	0.38		10.59	3.26	0.00	0.000	0.000
5/31/1973	2.74	0.98	0.36		10.67	3.29	0.00	0.000	0.000
6/30/1973	2.67	0.87	0.33		10.75	3.31	0.00	0.000	0.000
7/31/1973	2.58	1.12	0.44		10.83	3.35	0.00	0.000	0.000
8/31/1973	2.72	0.95	0.35		10.92	3.38	0.00	0.000	0.000
9/30/1973	2.53	1.46	0.58		10.99	3.42	0.00	0.000	0.000
10/31/1973	2.66	1.51	0.57		11.08	3.47	0.00	0.000	0.000
11/30/1973	2.62	1.48	0.57		11.16	3.51	0.00	0.000	0.000
12/31/1973	2.44	1.36	0.56		11.23	3.56	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
1/31/1974	2.63	1.45	0.55		11.31	3.60	0.00	0.000	0.000
2/28/1974	2.65	1.35	0.51		11.39	3.64	0.00	0.000	0.000
3/31/1974	2.31	1.18	0.51		11.46	3.67	0.00	0.000	0.000
4/30/1974	2.10	0.98	0.47		11.52	3.70	0.00	0.000	0.000
5/31/1974	1.86	0.66	0.36		11.58	3.72	0.00	0.000	0.000
6/30/1974	1.09	0.48	0.44		11.61	3.74	0.00	0.000	0.000
7/31/1974	2.96	1.55	0.52		11.70	3.79	0.00	0.000	0.000
8/31/1974	2.71	1.91	0.70		11.79	3.85	0.00	0.000	0.000
9/30/1974	2.66	2.26	0.85		11.87	3.91	0.00	0.000	0.000
10/31/1974	2.61	2.21	0.85		11.95	3.98	0.00	0.000	0.000
11/30/1974	2.68	2.31	0.86		12.03	4.05	0.00	0.000	0.000
12/31/1974	2.61	2.03	0.78		12.11	4.11	0.00	0.000	0.000
1/31/1975	2.52	1.42	0.56		12.19	4.16	0.00	0.000	0.000
2/28/1975	2.60	1.18	0.46		12.26	4.19	0.00	0.000	0.000
3/31/1975	2.50	1.23	0.49		12.34	4.23	0.00	0.000	0.000
4/30/1975	2.58	1.07	0.41		12.42	4.26	0.00	0.000	0.000
5/31/1975	2.49	1.65	0.66		12.49	4.31	0.00	0.000	0.000
6/30/1975	2.49	1.18	0.47		12.57	4.35	0.00	0.000	0.000
7/31/1975	2.47	1.05	0.43		12.64	4.38	0.00	0.000	0.000
8/31/1975	2.44	1.55	0.64		12.72	4.43	0.00	0.000	0.000
9/30/1975	2.55	1.85	0.73		12.80	4.48	0.00	0.000	0.000
10/31/1975	1.90	1.43	0.75		12.86	4.53	0.00	0.000	0.000
11/30/1975	0.93	0.66	0.71		12.88	4.55	0.00	0.000	0.000
12/31/1975	2.39	0.95	0.40		12.96	4.58	0.00	0.000	0.000
1/31/1976	2.79	1.77	0.64		13.04	4.63	0.00	0.000	0.000
2/29/1976	2.48	1.87	0.75		13.12	4.69	0.00	0.000	0.000
3/31/1976	2.99	1.64	0.55		13.21	4.74	0.00	0.000	0.000
4/30/1976	2.91	1.43	0.49		13.30	4.78	0.00	0.000	0.000
5/31/1976	1.39	0.71	0.51		13.34	4.80	0.00	0.000	0.000
6/30/1976	2.71	1.59	0.59		13.42	4.85	0.00	0.000	0.000
7/31/1976	2.59	1.91	0.74		13.50	4.91	0.00	0.000	0.000
8/31/1976	2.50	1.27	0.51		13.58	4.95	0.00	0.000	0.000
9/30/1976	2.47	1.22	0.49		13.65	4.98	0.00	0.000	0.000
10/31/1976	2.52	1.26	0.50		13.73	5.02	0.00	0.000	0.000
11/30/1976	2.37	1.22	0.52		13.80	5.06	0.00	0.000	0.000
12/31/1976	0.21	0.10	0.46		13.81	5.06	0.00	0.000	0.000
1/31/1977	2.39	1.32	0.55		13.88	5.10	0.00	0.000	0.000
2/28/1977	2.70	1.28	0.47		13.96	5.14	0.00	0.000	0.000
3/31/1977	2.89	1.95	0.67		14.05	5.20	0.00	0.000	0.000
4/30/1977	2.56	1.84	0.72		14.12	5.26	0.00	0.000	0.000
5/31/1977	1.56	1.08	0.69		14.17	5.29	0.00	0.000	0.000
6/30/1977	3.16	1.48	0.47		14.27	5.33	0.00	0.000	0.000
7/31/1977	2.48	1.45	0.58		14.34	5.38	0.00	0.000	0.000
8/31/1977	2.41	1.59	0.66		14.42	5.43	0.00	0.000	0.000
9/30/1977	2.42	2.15	0.89		14.49	5.49	0.00	0.000	0.000
10/31/1977	2.26	1.56	0.69		14.56	5.54	0.00	0.000	0.000
11/30/1977	2.54	1.62	0.64		14.64	5.59	0.00	0.000	0.000
12/31/1977	2.43	1.57	0.65		14.71	5.64	0.00	0.000	0.000
1/31/1978	2.46	1.59	0.65		14.79	5.69	0.00	0.000	0.000
2/28/1978	2.29	1.81	0.79		14.85	5.74	0.00	0.000	0.000
3/31/1978	2.23	2.19	0.98		14.92	5.81	0.00	0.000	0.000
4/30/1978	2.10	2.23	1.06		14.99	5.87	0.00	0.000	0.000
5/31/1978	2.32	2.11	0.91		15.06	5.94	0.00	0.000	0.000
6/30/1978	1.63	1.36	0.83		15.11	5.98	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
7/31/1978	1.96	1.70	0.86		15.17	6.03	0.00	0.000	0.000
8/31/1978	1.17	0.83	0.71		15.20	6.06	0.00	0.000	0.000
9/30/1978	2.58	1.20	0.46		15.28	6.09	0.00	0.000	0.000
10/31/1978	2.20	1.36	0.62		15.35	6.14	0.00	0.000	0.000
11/30/1978	2.26	1.26	0.56		15.42	6.17	0.00	0.000	0.000
12/31/1978	2.62	1.28	0.49		15.50	6.21	0.00	0.000	0.000
1/31/1979	2.42	1.12	0.46		15.57	6.25	0.00	0.000	0.000
2/28/1979	2.37	2.03	0.86		15.64	6.30	0.00	0.000	0.000
3/31/1979	2.33	1.23	0.53		15.71	6.34	0.00	0.000	0.000
4/30/1979	2.48	2.18	0.88		15.79	6.41	0.00	0.000	0.000
5/31/1979	2.37	1.90	0.80		15.86	6.47	0.00	0.000	0.000
6/30/1979	2.45	1.69	0.69		15.93	6.52	0.00	0.000	0.000
7/31/1979	2.37	1.16	0.49		16.01	6.55	0.00	0.000	0.000
8/31/1979	2.50	1.62	0.65		16.09	6.60	0.00	0.000	0.000
9/30/1979	2.17	1.58	0.73		16.15	6.65	0.00	0.000	0.000
10/31/1979	2.21	1.58	0.71		16.22	6.70	0.00	0.000	0.000
11/30/1979	2.29	1.53	0.67		16.29	6.75	0.00	0.000	0.000
12/31/1979	1.72	1.49	0.87		16.34	6.79	0.00	0.000	0.000
1/31/1980	2.46	1.96	0.80		16.42	6.85	0.00	0.000	0.000
2/29/1980	2.30	1.61	0.70		16.48	6.90	0.00	0.000	0.000
3/31/1980	2.45	1.64	0.67		16.56	6.95	0.00	0.000	0.000
4/30/1980	2.40	1.58	0.66		16.63	7.00	0.00	0.000	0.000
5/31/1980	2.23	1.47	0.66		16.70	7.04	0.00	0.000	0.000
6/30/1980	2.30	1.50	0.65		16.77	7.09	0.00	0.000	0.000
7/31/1980	2.28	1.35	0.59		16.84	7.13	0.00	0.000	0.000
8/31/1980	2.45	1.31	0.53		16.92	7.17	0.00	0.000	0.000
9/30/1980	2.42	1.77	0.73		16.99	7.22	0.00	0.000	0.000
10/31/1980	2.04	1.06	0.52		17.05	7.26	0.00	0.000	0.000
11/30/1980	2.58	1.68	0.65		17.13	7.31	0.00	0.000	0.000
12/31/1980	2.38	1.67	0.70		17.20	7.36	0.00	0.000	0.000
1/31/1981	2.40	1.80	0.75		17.28	7.42	0.00	0.000	0.000
2/28/1981	2.37	1.23	0.52		17.34	7.45	0.00	0.000	0.000
3/31/1981	2.14	1.54	0.72		17.41	7.50	0.00	0.000	0.000
4/30/1981	2.66	1.67	0.63		17.49	7.55	0.00	0.000	0.000
5/31/1981	2.37	1.72	0.73		17.56	7.60	0.00	0.000	0.000
6/30/1981	2.29	1.61	0.70		17.63	7.65	0.00	0.000	0.000
7/31/1981	2.27	1.70	0.75		17.70	7.70	0.00	0.000	0.000
8/31/1981	2.12	1.59	0.75		17.77	7.75	0.00	0.000	0.000
9/30/1981	2.26	1.82	0.81		17.84	7.81	0.00	0.000	0.000
10/31/1981	2.33	1.50	0.65		17.91	7.85	0.00	0.000	0.000
11/30/1981	2.17	2.26	1.04		17.97	7.92	0.00	0.000	0.000
12/31/1981	2.28	1.99	0.87		18.04	7.98	0.00	0.000	0.000
1/31/1982	2.29	1.39	0.61		18.12	8.02	0.00	0.000	0.000
2/28/1982	2.36	1.29	0.55		18.18	8.06	0.00	0.000	0.000
3/31/1982	2.26	1.99	0.88		18.25	8.12	0.00	0.000	0.000
4/30/1982	2.35	1.56	0.66		18.32	8.17	0.00	0.000	0.000
5/31/1982	2.35	1.52	0.65		18.40	8.22	0.00	0.000	0.000
6/30/1982	2.19	1.52	0.69		18.46	8.26	0.00	0.000	0.000
7/31/1982	2.25	1.49	0.66		18.53	8.31	0.00	0.000	0.000
8/31/1982	2.19	1.63	0.74		18.60	8.36	0.00	0.000	0.000
9/30/1982	2.38	1.62	0.68		18.67	8.41	0.00	0.000	0.000
10/31/1982	2.05	1.66	0.81		18.73	8.46	0.00	0.000	0.000
11/30/1982	2.23	1.69	0.76		18.80	8.51	0.00	0.000	0.000
12/31/1982	2.19	1.69	0.77		18.87	8.56	0.00	0.000	0.000

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1/31/1983	2.19	1.68	0.77		18.94	8.61	0.00	0.000	0.000
2/28/1983	2.22	1.71	0.77		19.00	8.66	0.00	0.000	0.000
3/31/1983	2.02	1.38	0.68		19.06	8.70	0.00	0.000	0.000
4/30/1983	2.34	1.86	0.79		19.13	8.76	0.00	0.000	0.000
5/31/1983	2.17	1.69	0.78		19.20	8.81	0.00	0.000	0.000
6/30/1983	2.12	1.60	0.76		19.26	8.86	0.00	0.000	0.000
7/31/1983	2.02	1.60	0.80		19.32	8.91	0.00	0.000	0.000
8/31/1983	1.94	1.52	0.78		19.38	8.96	0.00	0.000	0.000
9/30/1983	1.91	1.47	0.77		19.44	9.00	0.00	0.000	0.000
10/31/1983	2.02	1.78	0.88		19.50	9.06	0.00	0.000	0.000
11/30/1983	1.87	1.25	0.67		19.56	9.09	0.00	0.000	0.000
12/31/1983	1.85	1.34	0.72		19.62	9.14	0.00	0.000	0.000
1/31/1984	1.85	1.28	0.69		19.68	9.18	0.00	0.000	0.000
2/29/1984	1.79	1.31	0.73		19.73	9.21	0.00	0.000	0.000
3/31/1984	1.90	1.31	0.69		19.79	9.25	0.00	0.000	0.000
4/30/1984	1.69	1.39	0.83		19.84	9.30	0.00	0.000	0.000
5/31/1984	1.68	1.53	0.91		19.89	9.34	0.00	0.000	0.000
6/30/1984	1.83	1.41	0.77		19.94	9.39	0.00	0.000	0.000
7/31/1984	1.78	1.75	0.98		20.00	9.44	0.00	0.000	0.000
8/31/1984	1.75	1.90	1.09		20.05	9.50	0.00	0.000	0.000
9/30/1984	1.63	1.99	1.22		20.10	9.56	0.00	0.000	0.000
10/31/1984	1.49	1.89	1.27		20.15	9.62	0.00	0.000	0.000
11/30/1984	1.26	1.50	1.19		20.19	9.66	0.00	0.000	0.000
12/31/1984	1.15	1.32	1.15		20.22	9.70	0.00	0.000	0.000
1/31/1985	0.12	0.15	1.26		20.23	9.71	0.00	0.000	0.000
2/28/1985	0.90	2.50	2.77		20.25	9.78	0.00	0.000	0.000
3/31/1985	1.11	3.91	3.52		20.29	9.90	0.00	0.000	0.000
4/30/1985	1.15	3.94	3.44		20.32	10.02	0.00	0.000	0.000
5/31/1985	1.16	4.42	3.80		20.36	10.15	0.00	0.000	0.000
6/30/1985	1.10	4.06	3.69		20.39	10.28	0.00	0.000	0.000
7/31/1985	1.78	1.84	1.03		20.44	10.33	0.00	0.000	0.000
8/31/1985	1.62	1.19	0.74		20.49	10.37	0.00	0.000	0.000
9/30/1985	1.57	0.69	0.44		20.54	10.39	0.00	0.000	0.000
10/31/1985	1.82	0.61	0.34		20.60	10.41	0.00	0.000	0.000
11/30/1985	1.67	0.54	0.32		20.65	10.43	0.00	0.000	0.000
12/31/1985	1.60	0.49	0.31		20.70	10.44	0.00	0.000	0.000
1/31/1986	1.59	0.50	0.31		20.75	10.46	0.00	0.000	0.000
2/28/1986	1.72	0.47	0.27		20.80	10.47	0.00	0.000	0.000
3/31/1986	1.65	0.69	0.42		20.85	10.49	0.00	0.000	0.000
4/30/1986	1.98	1.55	0.78		20.91	10.54	0.00	0.000	0.000
5/31/1986	1.95	1.53	0.79		20.97	10.58	0.00	0.000	0.000
6/30/1986	2.23	1.39	0.62		21.03	10.63	0.00	0.000	0.000
7/31/1986	2.07	2.02	0.97		21.10	10.69	0.00	0.000	0.000
8/31/1986	2.24	1.95	0.87		21.17	10.75	0.00	0.000	0.000
9/30/1986	2.10	1.56	0.74		21.23	10.80	0.00	0.000	0.000
10/31/1986	2.32	2.05	0.89		21.30	10.86	0.00	0.000	0.000
11/30/1986	2.16	2.15	0.99		21.37	10.92	0.00	0.000	0.000
12/31/1986	2.10	2.54	1.21		21.43	11.00	0.00	0.000	0.000
1/31/1987	2.09	1.68	0.80		21.50	11.06	0.00	0.000	0.000
2/28/1987	1.99	2.10	1.05		21.55	11.11	0.00	0.000	0.000
3/31/1987	1.84	1.70	0.92		21.61	11.17	0.00	0.000	0.000
4/30/1987	1.89	1.58	0.84		21.67	11.21	0.00	0.000	0.000
5/31/1987	1.65	1.40	0.85		21.72	11.26	0.00	0.000	0.000
6/30/1987	1.76	2.05	1.16		21.77	11.32	0.00	0.000	0.000

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7/31/1987	1.91	1.86	0.98		21.83	11.38	0.00	0.000	0.000
8/31/1987	1.65	1.68	1.02		21.88	11.43	0.00	0.000	0.000
9/30/1987	1.95	1.94	0.99		21.94	11.49	0.00	0.000	0.000
10/31/1987	2.03	1.83	0.90		22.00	11.54	0.00	0.000	0.000
11/30/1987	1.99	1.89	0.95		22.06	11.60	0.00	0.000	0.000
12/31/1987	1.98	2.06	1.04		22.12	11.66	0.00	0.000	0.000
1/31/1988	1.87	2.09	1.12		22.18	11.73	0.00	0.000	0.000
2/29/1988	1.79	2.06	1.15		22.23	11.79	0.00	0.000	0.000
3/31/1988	1.86	2.02	1.08		22.29	11.85	0.00	0.000	0.000
4/30/1988	1.84	2.16	1.17		22.35	11.92	0.00	0.000	0.000
5/31/1988	1.58	1.73	1.09		22.39	11.97	0.00	0.000	0.000
6/30/1988	1.85	1.93	1.04		22.45	12.03	0.00	0.000	0.000
7/31/1988	1.85	1.74	0.94		22.51	12.08	0.00	0.000	0.000
8/31/1988	1.80	1.71	0.95		22.56	12.13	0.00	0.000	0.000
9/30/1988	1.76	1.62	0.92		22.62	12.18	0.00	0.000	0.000
10/31/1988	1.74	1.60	0.92		22.67	12.23	0.00	0.000	0.000
11/30/1988	1.74	1.55	0.89		22.72	12.28	0.00	0.000	0.000
12/31/1988	1.80	1.65	0.92		22.78	12.33	0.00	0.000	0.000
1/31/1989	1.61	1.54	0.96		22.83	12.38	0.00	0.000	0.000
2/28/1989	1.62	1.69	1.04		22.87	12.43	0.00	0.000	0.000
3/31/1989	1.56	1.52	0.97		22.92	12.47	0.00	0.000	0.000
4/30/1989	1.34	1.77	1.32		22.96	12.53	0.00	0.000	0.000
5/31/1989	1.41	1.71	1.21		23.00	12.58	0.00	0.000	0.000
6/30/1989	1.36	1.48	1.09		23.05	12.62	0.00	0.000	0.000
7/31/1989	1.40	1.29	0.92		23.09	12.66	0.00	0.000	0.000
8/31/1989	1.42	1.26	0.88		23.13	12.70	0.00	0.000	0.000
9/30/1989	1.43	1.44	1.01		23.18	12.75	0.00	0.000	0.000
10/31/1989	1.54	1.95	1.26		23.22	12.81	0.00	0.000	0.000
11/30/1989	1.70	2.42	1.42		23.27	12.88	0.00	0.000	0.000
12/31/1989	1.83	2.44	1.33		23.33	12.95	0.00	0.000	0.000
1/31/1990	1.88	2.55	1.36		23.39	13.03	0.00	0.000	0.000
2/28/1990	1.83	2.54	1.39		23.44	13.10	0.00	0.000	0.000
3/31/1990	1.82	2.59	1.43		23.50	13.18	0.00	0.000	0.000
4/30/1990	1.85	2.57	1.39		23.55	13.26	0.00	0.000	0.000
5/31/1990	1.84	2.66	1.45		23.61	13.34	0.00	0.000	0.000
6/30/1990	1.81	2.68	1.49		23.66	13.42	0.00	0.000	0.000
7/31/1990	1.84	2.91	1.58		23.72	13.51	0.00	0.000	0.000
8/31/1990	1.86	2.83	1.52		23.78	13.60	0.00	0.000	0.000
9/30/1990	1.82	2.87	1.58		23.83	13.69	0.00	0.000	0.000
10/31/1990	1.65	2.63	1.59		23.88	13.77	0.00	0.000	0.000
11/30/1990	1.61	2.75	1.70		23.93	13.85	0.00	0.000	0.000
12/31/1990	1.68	2.93	1.74		23.99	13.94	0.00	0.000	0.000
1/31/1991	1.83	2.81	1.54		24.04	14.03	0.00	0.000	0.000
2/28/1991	1.70	3.05	1.80		24.09	14.12	0.00	0.000	0.000
3/31/1991	1.18	2.95	2.51		24.13	14.21	0.00	0.000	0.000
4/30/1991	1.18	2.93	2.49		24.16	14.30	0.00	0.000	0.000
5/31/1991	1.16	2.67	2.29		24.20	14.38	0.00	0.000	0.000
6/30/1991	1.31	2.83	2.15		24.24	14.46	0.00	0.000	0.000
7/31/1991	1.26	2.65	2.10		24.28	14.54	0.00	0.000	0.000
8/31/1991	1.25	2.74	2.19		24.31	14.63	0.00	0.000	0.000
9/30/1991	1.21	2.85	2.36		24.35	14.71	0.00	0.000	0.000
10/31/1991	1.19	3.06	2.57		24.39	14.81	0.00	0.000	0.000
11/30/1991	1.14	2.78	2.45		24.42	14.89	0.00	0.000	0.000
12/31/1991	1.06	0.68	0.64		24.45	14.91	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
1/31/1992	1.24	3.08	2.48		24.49	15.01	0.00	0.000	0.000
2/29/1992	1.19	2.91	2.44		24.53	15.09	0.00	0.000	0.000
3/31/1992	1.35	2.81	2.08		24.57	15.18	0.00	0.000	0.000
4/30/1992	1.55	1.60	1.03		24.62	15.23	0.00	0.000	0.000
5/31/1992	1.77	1.61	0.91		24.67	15.28	0.00	0.000	0.000
6/30/1992	1.79	1.65	0.92		24.72	15.33	0.00	0.000	0.000
7/31/1992	1.68	1.65	0.98		24.78	15.38	0.00	0.000	0.000
8/31/1992	1.65	0.58	0.35		24.83	15.40	0.00	0.000	0.000
9/30/1992	1.64	1.71	1.04		24.88	15.45	0.00	0.000	0.000
10/31/1992	0.93	2.13	2.30		24.91	15.51	0.00	0.000	0.000
11/30/1992	1.76	4.15	2.35		24.96	15.64	0.00	0.000	0.000
12/31/1992	1.73	3.81	2.21		25.01	15.76	0.00	0.000	0.000
1/31/1993	1.77	3.71	2.09		25.07	15.87	0.00	0.000	0.000
2/28/1993	2.27	2.26	0.99		25.13	15.94	0.00	0.000	0.000
3/31/1993	2.22	2.11	0.95		25.20	16.00	0.00	0.000	0.000
4/30/1993	1.61	2.22	1.38		25.25	16.07	0.00	0.000	0.000
5/31/1993	2.36	2.42	1.03		25.32	16.14	0.00	0.000	0.000
6/30/1993	2.20	2.59	1.18		25.39	16.22	0.00	0.000	0.000
7/31/1993	2.09	2.34	1.12		25.45	16.29	0.00	0.000	0.000
8/31/1993	2.12	2.26	1.07		25.52	16.36	0.00	0.000	0.000
9/30/1993	2.04	2.19	1.08		25.58	16.43	0.00	0.000	0.000
10/31/1993	2.26	1.98	0.88		25.65	16.49	0.00	0.000	0.000
11/30/1993	2.10	2.03	0.97		25.71	16.55	0.00	0.000	0.000
12/31/1993	1.88	2.03	1.08		25.77	16.61	0.00	0.000	0.000
1/31/1994	1.50	2.17	1.45		25.82	16.68	0.00	0.000	0.000
2/28/1994	1.56	2.16	1.38		25.86	16.74	0.00	0.000	0.000
3/31/1994	2.33	1.99	0.85		25.93	16.80	0.00	0.000	0.000
4/30/1994	2.34	1.68	0.72		26.00	16.85	0.00	0.000	0.000
5/31/1994	2.51	1.78	0.71		26.08	16.91	0.00	0.000	0.000
6/30/1994	2.33	1.87	0.80		26.15	16.96	0.00	0.000	0.000
7/31/1994	2.40	2.41	1.00		26.22	17.04	0.00	0.000	0.000
8/31/1994	2.37	2.04	0.86		26.30	17.10	0.00	0.000	0.000
9/30/1994	2.27	1.59	0.70		26.37	17.15	0.00	0.000	0.000
10/31/1994	2.32	1.45	0.63		26.44	17.20	0.00	0.000	0.000
11/30/1994	2.59	1.82	0.70		26.52	17.25	0.00	0.000	0.000
12/31/1994	2.72	1.88	0.69		26.60	17.31	0.00	0.000	0.000
1/31/1995	2.49	1.84	0.74		26.68	17.37	0.00	0.000	0.000
2/28/1995	2.35	1.89	0.80		26.74	17.42	0.00	0.000	0.000
3/31/1995	2.41	1.86	0.77		26.82	17.48	0.00	0.000	0.000
4/30/1995	2.08	1.92	0.92		26.88	17.53	0.00	0.000	0.000
5/31/1995	2.00	1.95	0.98		26.94	17.59	0.00	0.000	0.000
6/30/1995	1.85	1.88	1.01		27.00	17.65	0.00	0.000	0.000
7/31/1995	2.28	2.41	1.06		27.07	17.73	0.00	0.000	0.000
8/31/1995	2.35	2.52	1.07		27.14	17.80	0.00	0.000	0.000
9/30/1995	2.34	2.51	1.07		27.21	17.88	0.00	0.000	0.000
10/31/1995	1.82	1.96	1.08		27.27	17.94	0.00	0.000	0.000
11/30/1995	1.69	1.78	1.06		27.32	17.99	0.00	0.000	0.000
12/31/1995					27.32	17.99	0.00		0.000
1/31/1996	1.05	1.08	1.03		27.35	18.03	0.00	0.000	0.000
2/29/1996	2.34	2.28	0.97		27.42	18.09	0.00	0.000	0.000
3/31/1996	14.14	10.44	0.74		27.86	18.42	0.00	0.000	0.000
4/30/1996	18.69	11.56	0.62		28.42	18.76	0.00	0.000	0.000
5/31/1996	17.05	11.28	0.66		28.95	19.11	0.00	0.000	0.000
6/30/1996	15.08	10.53	0.70		29.40	19.43	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	VRR	Cum VRR
7/31/1996	14.43	9.53	0.66		29.85	19.72	0.00	0.000	0.000
8/31/1996	14.19	9.75	0.69		30.29	20.03	0.00	0.000	0.000
9/30/1996	12.92	8.09	0.63		30.67	20.27	0.00	0.000	0.000
10/31/1996	6.77	8.02	1.18		30.88	20.52	0.00	0.000	0.000
11/30/1996	11.24	14.74	1.31		31.22	20.96	0.00	0.000	0.000
12/31/1996	11.22	14.31	1.28		31.57	21.40	0.00	0.000	0.000
1/31/1997	11.42	13.23	1.16		31.92	21.81	0.00	0.000	0.000
2/28/1997	11.35	13.79	1.21		32.24	22.20	0.00	0.000	0.000
3/31/1997	10.40	9.29	0.89		32.56	22.49	0.00	0.000	0.000
4/30/1997	9.87	5.36	0.54		32.86	22.65	0.00	0.000	0.000
5/31/1997	9.91	5.39	0.54		33.17	22.82	0.00	0.000	0.000
6/30/1997	9.32	7.14	0.77		33.44	23.03	0.00	0.000	0.000
7/31/1997	9.52	6.79	0.71		33.74	23.24	0.00	0.000	0.000
8/31/1997	7.84	5.18	0.66		33.98	23.40	0.00	0.000	0.000
9/30/1997	15.98	10.07	0.63		34.46	23.70	0.00	0.000	0.000
10/31/1997	19.67	15.12	0.77		35.07	24.17	0.00	0.000	0.000
11/30/1997	15.72	11.92	0.76		35.54	24.53	0.00	0.000	0.000
12/31/1997	13.40	10.99	0.82		35.96	24.87	0.00	0.000	0.000
1/31/1998	13.51	11.58	0.86		36.38	25.23	0.00	0.000	0.000
2/28/1998	7.45	5.19	0.70		36.59	25.37	0.00	0.000	0.000
3/31/1998	13.60	10.97	0.81		37.01	25.71	0.00	0.000	0.000
4/30/1998	13.67	12.56	0.92		37.42	26.09	0.00	0.000	0.000
5/31/1998	13.39	12.05	0.90		37.83	26.46	0.00	0.000	0.000
6/30/1998	13.67	10.57	0.77		38.24	26.78	0.00	0.000	0.000
7/31/1998	12.90	9.79	0.76		38.64	27.08	0.00	0.000	0.000
8/31/1998	9.32	6.55	0.70		38.93	27.29	0.00	0.000	0.000
9/30/1998	12.70	8.69	0.68		39.31	27.55	0.00	0.000	0.000
10/31/1998	12.09	6.22	0.51		39.69	27.74	0.00	0.000	0.000
11/30/1998	10.44	5.90	0.57		40.00	27.92	0.00	0.000	0.000
12/31/1998	7.65	5.61	0.73		40.24	28.09	0.00	0.000	0.000
1/31/1999	6.20	4.55	0.73		40.43	28.23	0.00	0.000	0.000
2/28/1999	5.85	3.67	0.63		40.59	28.34	0.00	0.000	0.000
3/31/1999	9.22	7.32	0.79		40.88	28.56	0.00	0.000	0.000
4/30/1999	10.46	8.96	0.86		41.19	28.83	0.00	0.000	0.000
5/31/1999	5.13	3.17	0.62		41.35	28.93	0.00	0.000	0.000
6/30/1999	12.79	7.46	0.58		41.74	29.15	0.00	0.000	0.000
7/31/1999	11.55	3.15	0.27		42.09	29.25	0.00	0.000	0.000
8/31/1999	12.86	3.13	0.24		42.49	29.35	0.00	0.000	0.000
9/30/1999	13.28	5.55	0.42		42.89	29.51	0.00	0.000	0.000
10/31/1999	13.89	6.40	0.46		43.32	29.71	0.00	0.000	0.000
11/30/1999	13.55	11.00	0.81		43.73	30.04	0.00	0.000	0.000
12/31/1999	12.75	10.35	0.81		44.12	30.36	0.00	0.000	0.000
1/31/2000	12.50	10.55	0.84		44.51	30.69	0.00	0.000	0.000
2/29/2000	12.41	13.41	1.08		44.87	31.08	0.00	0.000	0.000
3/31/2000	12.24	14.00	1.14		45.25	31.51	0.00	0.000	0.000
4/30/2000	12.21	13.21	1.08		45.62	31.91	0.00	0.000	0.000
5/31/2000	10.61	11.05	1.04		45.95	32.25	0.00	0.000	0.000
6/30/2000	11.12	11.36	1.02		46.28	32.59	0.00	0.000	0.000
7/31/2000	11.40	11.04	0.97		46.63	32.94	0.00	0.000	0.000
8/31/2000	11.85	11.90	1.00		47.00	33.30	0.00	0.000	0.000
9/30/2000	12.19	11.41	0.94		47.37	33.65	0.00	0.000	0.000
10/31/2000	10.73	10.40	0.97		47.70	33.97	0.00	0.000	0.000
11/30/2000	9.70	8.92	0.92		47.99	34.24	0.00	0.000	0.000
12/31/2000	9.84	9.04	0.92		48.29	34.52	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
1/31/2001	9.62	8.85	0.92		48.59	34.79	0.00	0.000	0.000
2/28/2001	9.64	9.02	0.94		48.86	35.04	0.00	0.000	0.000
3/31/2001	9.77	9.18	0.94		49.17	35.33	0.00	0.000	0.000
4/30/2001	9.87	9.30	0.94		49.46	35.61	0.00	0.000	0.000
5/31/2001	9.63	8.64	0.90		49.76	35.88	0.00	0.000	0.000
6/30/2001	9.60	8.71	0.91		50.05	36.14	0.00	0.000	0.000
7/31/2001	7.86	7.43	0.95		50.29	36.37	0.00	0.000	0.000
8/31/2001	6.84	6.52	0.95		50.50	36.57	0.00	0.000	0.000
9/30/2001	6.82	6.38	0.94		50.71	36.76	0.00	0.000	0.000
10/31/2001	6.42	6.21	0.97		50.91	36.95	0.00	0.000	0.000
11/30/2001	6.41	5.95	0.93		51.10	37.13	0.00	0.000	0.000
12/31/2001	6.19	5.73	0.93		51.29	37.31	0.00	0.000	0.000
1/31/2002	6.49	6.31	0.97		51.49	37.50	0.00	0.000	0.000
2/28/2002	8.56	11.11	1.30		51.73	37.82	0.00	0.000	0.000
3/31/2002	8.01	8.58	1.07		51.98	38.08	0.00	0.000	0.000
4/30/2002	7.94	7.67	0.97		52.22	38.31	0.00	0.000	0.000
5/31/2002	7.41	7.06	0.95		52.45	38.53	0.00	0.000	0.000
6/30/2002	7.51	7.01	0.93		52.67	38.74	0.00	0.000	0.000
7/31/2002	7.27	8.50	1.17		52.90	39.00	0.00	0.000	0.000
8/31/2002	7.19	8.27	1.15		53.12	39.26	0.00	0.000	0.000
9/30/2002	7.15	7.91	1.11		53.34	39.50	0.00	0.000	0.000
10/31/2002	7.44	8.31	1.12		53.57	39.76	0.00	0.000	0.000
11/30/2002	7.34	9.40	1.28		53.79	40.04	0.00	0.000	0.000
12/31/2002	7.57	9.58	1.27		54.02	40.33	0.00	0.000	0.000
1/31/2003	7.11	9.49	1.33		54.24	40.63	0.00	0.000	0.000
2/28/2003	6.69	7.35	1.10		54.43	40.83	0.00	0.000	0.000
3/31/2003	7.75	9.06	1.17		54.67	41.11	0.00	0.000	0.000
4/30/2003	7.75	8.96	1.16		54.90	41.38	0.00	0.000	0.000
5/31/2003	7.68	8.60	1.12		55.14	41.65	0.00	0.000	0.000
6/30/2003	7.70	8.90	1.16		55.37	41.92	0.00	0.000	0.000
7/31/2003	7.60	8.69	1.14		55.61	42.19	0.00	0.000	0.000
8/31/2003	7.37	8.85	1.20		55.84	42.46	0.00	0.000	0.000
9/30/2003	7.26	9.03	1.24		56.05	42.73	0.00	0.000	0.000
10/31/2003	7.12	8.88	1.25		56.27	43.01	0.00	0.000	0.000
11/30/2003	6.84	8.39	1.23		56.48	43.26	0.00	0.000	0.000
12/31/2003	6.75	7.82	1.16		56.69	43.50	0.00	0.000	0.000
1/31/2004	6.62	8.10	1.22		56.89	43.75	0.00	0.000	0.000
2/29/2004	6.68	7.89	1.18		57.09	43.98	0.00	0.000	0.000
3/31/2004	6.73	7.94	1.18		57.30	44.23	0.00	0.000	0.000
4/30/2004	6.41	8.34	1.30		57.49	44.48	0.00	0.000	0.000
5/31/2004	6.19	8.22	1.33		57.68	44.73	0.00	0.000	0.000
6/30/2004	6.04	8.15	1.35		57.86	44.98	0.00	0.000	0.000
7/31/2004	6.05	8.08	1.33		58.05	45.23	0.00	0.000	0.000
8/31/2004	6.06	7.84	1.29		58.24	45.47	0.00	0.000	0.000
9/30/2004	6.02	7.65	1.27		58.42	45.70	0.00	0.000	0.000
10/31/2004	6.29	7.43	1.18		58.61	45.93	0.00	0.000	0.000
11/30/2004	5.82	6.95	1.19		58.79	46.14	0.00	0.000	0.000
12/31/2004	4.59	6.68	1.46		58.93	46.35	0.00	0.000	0.000
1/31/2005	5.24	8.47	1.62		59.09	46.61	0.00	0.000	0.000
2/28/2005	5.09	9.01	1.77		59.23	46.86	0.00	0.000	0.000
3/31/2005	5.02	9.60	1.91		59.39	47.16	0.00	0.000	0.000
4/30/2005	6.50	10.92	1.68		59.59	47.49	0.00	0.000	0.000
5/31/2005	7.02	11.65	1.66		59.80	47.85	0.00	0.000	0.000
6/30/2005	6.87	11.64	1.70		60.01	48.20	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
7/31/2005	6.55	10.81	1.65		60.21	48.53	0.00	0.000	0.000
8/31/2005	6.48	8.91	1.38		60.41	48.81	0.00	0.000	0.000
9/30/2005	5.70	8.61	1.51		60.58	49.07	0.00	0.000	0.000
10/31/2005	5.29	9.26	1.75		60.75	49.35	0.00	0.000	0.000
11/30/2005	6.01	12.30	2.05		60.93	49.72	0.00	0.000	0.000
12/31/2005	5.94	12.32	2.07		61.11	50.10	0.00	0.000	0.000
1/31/2006	5.84	10.46	1.79		61.29	50.43	0.00	0.000	0.000
2/28/2006	5.94	10.26	1.73		61.46	50.71	0.00	0.000	0.000
3/31/2006	6.18	11.02	1.78		61.65	51.06	0.00	0.000	0.000
4/30/2006	5.93	10.17	1.71		61.83	51.36	0.00	0.000	0.000
5/31/2006	5.60	9.07	1.62		62.00	51.64	0.00	0.000	0.000
6/30/2006	5.37	9.14	1.70		62.16	51.92	0.00	0.000	0.000
7/31/2006	5.67	9.65	1.70		62.34	52.22	0.00	0.000	0.000
8/31/2006	5.60	8.94	1.60		62.51	52.49	0.00	0.000	0.000
9/30/2006	5.45	8.41	1.54		62.68	52.75	0.00	0.000	0.000
10/31/2006	5.10	8.01	1.57		62.84	52.99	0.00	0.000	0.000
11/30/2006	5.03	7.81	1.55		62.99	53.23	0.00	0.000	0.000
12/31/2006	5.27	7.45	1.41		63.15	53.46	0.00	0.000	0.000
1/31/2007	5.36	8.01	1.49		63.32	53.71	0.00	0.000	0.000
2/28/2007	5.49	8.07	1.47		63.47	53.93	0.00	0.000	0.000
3/31/2007	5.32	8.27	1.55		63.63	54.19	0.00	0.000	0.000
4/30/2007	5.01	8.70	1.74		63.78	54.45	0.00	0.000	0.000
5/31/2007	4.59	8.82	1.92		63.93	54.72	0.00	0.000	0.000
6/30/2007	4.65	8.69	1.87		64.07	54.99	0.00	0.000	0.000
7/31/2007	4.57	8.44	1.85		64.21	55.25	0.00	0.000	0.000
8/31/2007	4.97	7.97	1.60		64.36	55.49	0.00	0.000	0.000
9/30/2007	4.59	7.07	1.54		64.50	55.71	0.00	0.000	0.000
10/31/2007	4.73	7.28	1.54		64.65	55.93	0.00	0.000	0.000
11/30/2007	6.16	6.60	1.07		64.83	56.13	0.00	0.000	0.000
12/31/2007	5.18	8.31	1.61		64.99	56.39	0.00	0.000	0.000
1/31/2008	4.96	7.95	1.60		65.15	56.63	0.00	0.000	0.000
2/29/2008	4.63	7.79	1.68		65.28	56.86	0.00	0.000	0.000
3/31/2008	4.42	7.95	1.80		65.42	57.11	0.00	0.000	0.000
4/30/2008	5.23	14.61	2.80		65.57	57.54	0.00	0.000	0.000
5/31/2008	5.07	15.68	3.09		65.73	58.03	0.00	0.000	0.000
6/30/2008	4.88	16.02	3.29		65.88	58.51	0.00	0.000	0.000
7/31/2008	5.00	14.01	2.80		66.03	58.95	0.00	0.000	0.000
8/31/2008	5.34	9.13	1.71		66.20	59.23	0.00	0.000	0.000
9/30/2008	5.15	7.95	1.54		66.35	59.47	0.00	0.000	0.000
10/31/2008	5.46	8.01	1.47		66.52	59.72	0.00	0.000	0.000
11/30/2008	5.51	8.71	1.58		66.69	59.98	0.00	0.000	0.000
12/31/2008	5.55	8.83	1.59		66.86	60.25	0.00	0.000	0.000
1/31/2009	5.08	8.66	1.70		67.02	60.52	0.00	0.000	0.000
2/28/2009	4.79	8.88	1.86		67.15	60.77	0.00	0.000	0.000
3/31/2009	4.88	8.62	1.77		67.30	61.03	0.00	0.000	0.000
4/30/2009	4.32	8.60	1.99		67.43	61.29	0.00	0.000	0.000
5/31/2009	4.21	8.61	2.05		67.56	61.56	0.00	0.000	0.000
6/30/2009	4.01	8.29	2.07		67.68	61.81	0.00	0.000	0.000
7/31/2009	3.98	8.05	2.02		67.81	62.06	0.00	0.000	0.000
8/31/2009	3.52	7.28	2.07		67.91	62.28	0.00	0.000	0.000
9/30/2009	3.86	7.84	2.03		68.03	62.52	0.00	0.000	0.000
10/31/2009	3.86	7.63	1.98		68.15	62.76	0.00	0.000	0.000
11/30/2009	3.86	7.66	1.99		68.27	62.99	0.00	0.000	0.000
12/31/2009	3.75	7.61	2.03		68.38	63.22	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	VRR	Cum VRR
1/31/2010	3.59	7.42	2.07		68.49	63.45	0.00	0.000	0.000
2/28/2010	3.59	7.48	2.08		68.59	63.66	0.00	0.000	0.000
3/31/2010	3.64	7.71	2.12		68.71	63.90	0.00	0.000	0.000
4/30/2010	3.70	7.79	2.10		68.82	64.13	0.00	0.000	0.000
5/31/2010	3.70	7.91	2.14		68.93	64.38	0.00	0.000	0.000
6/30/2010	3.68	8.18	2.22		69.04	64.62	0.00	0.000	0.000
7/31/2010	3.56	8.25	2.32		69.15	64.88	0.00	0.000	0.000
8/31/2010	3.47	8.00	2.30		69.26	65.13	0.00	0.000	0.000
9/30/2010	3.57	8.31	2.33		69.37	65.38	0.00	0.000	0.000
10/31/2010	3.63	7.62	2.10		69.48	65.61	0.00	0.000	0.000
11/30/2010	3.51	7.95	2.26		69.59	65.85	0.00	0.000	0.000
12/31/2010	3.40	7.28	2.14		69.69	66.08	0.00	0.000	0.000
1/31/2011	3.12	6.82	2.19		69.79	66.29	0.00	0.000	0.000
2/28/2011	3.03	6.76	2.23		69.87	66.48	0.00	0.000	0.000
3/31/2011	3.08	7.04	2.28		69.97	66.70	0.00	0.000	0.000
4/30/2011	2.97	7.35	2.47		70.06	66.92	0.00	0.000	0.000
5/31/2011	2.79	7.30	2.62		70.14	67.14	0.00	0.000	0.000
6/30/2011	1.97	5.72	2.90		70.20	67.31	0.00	0.000	0.000
7/31/2011	3.25	8.17	2.51		70.30	67.57	0.00	0.000	0.000
8/31/2011	3.16	7.46	2.36		70.40	67.80	0.00	0.000	0.000
9/30/2011	2.86	7.00	2.45		70.49	68.01	0.00	0.000	0.000
10/31/2011	3.05	8.23	2.70		70.58	68.26	0.00	0.000	0.000
11/30/2011	3.11	7.03	2.26		70.68	68.48	0.00	0.000	0.000
12/31/2011	3.00	7.05	2.35		70.77	68.69	0.00	0.000	0.000
1/31/2012	2.82	6.81	2.42		70.86	68.90	0.00	0.000	0.000
2/29/2012	2.83	7.79	2.75		70.94	69.13	0.00	0.000	0.000
3/31/2012	2.59	7.54	2.91		71.02	69.36	0.00	0.000	0.000
4/30/2012	2.75	7.53	2.73		71.10	69.59	0.00	0.000	0.000
5/31/2012	2.92	8.52	2.92		71.19	69.85	0.00	0.000	0.000
6/30/2012	2.88	8.41	2.93		71.28	70.11	0.00	0.000	0.000
7/31/2012	3.06	8.60	2.81		71.37	70.37	0.00	0.000	0.000
8/31/2012	2.29	8.27	3.61		71.44	70.63	0.00	0.000	0.000
9/30/2012	2.57	8.59	3.35		71.52	70.89	0.00	0.000	0.000
10/31/2012	2.54	8.30	3.26		71.60	71.14	0.00	0.000	0.000
11/30/2012	2.59	8.28	3.20		71.68	71.39	0.00	0.000	0.000
12/31/2012	2.48	8.19	3.31		71.75	71.65	0.00	0.000	0.000
1/31/2013	2.67	8.33	3.12		71.84	71.91	0.00	0.000	0.000
2/28/2013	2.64	8.20	3.11		71.91	72.13	0.00	0.000	0.000
3/31/2013	2.66	7.61	2.86		71.99	72.37	0.00	0.000	0.000
4/30/2013	2.56	7.53	2.94		72.07	72.60	0.00	0.000	0.000
5/31/2013	2.58	8.63	3.34		72.15	72.86	0.00	0.000	0.000
6/30/2013	2.44	7.32	3.00		72.22	73.08	0.00	0.000	0.000
7/31/2013	2.40	8.00	3.33		72.30	73.33	0.00	0.000	0.000
8/31/2013	2.43	7.61	3.13		72.37	73.57	0.00	0.000	0.000
9/30/2013	2.17	6.98	3.22		72.44	73.78	0.00	0.000	0.000
10/31/2013	2.35	7.00	2.98		72.51	73.99	0.00	0.000	0.000
11/30/2013	2.42	7.22	2.99		72.58	74.21	0.00	0.000	0.000
12/31/2013	2.33	7.43	3.20		72.65	74.44	0.00	0.000	0.000
1/31/2014	1.32	4.07	3.10		72.70	74.57	0.00	0.000	0.000
2/28/2014	0.34	1.28	3.75	2.18	72.71	74.60	0.06	1.282	0.000
3/31/2014	0.36	1.13	3.16	13.84	72.72	74.64	0.49	8.823	0.003
4/30/2014	0.93	2.83	3.04	19.50	72.74	74.72	1.08	4.890	0.007
5/31/2014	0.97	3.06	3.15	19.90	72.77	74.82	1.69	4.666	0.010
6/30/2014	0.95	2.94	3.10	19.10	72.80	74.91	2.27	4.636	0.014

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
7/31/2014	0.53	1.54	2.90	14.87	72.82	74.95	2.73	6.772	0.016
8/31/2014	0.97	2.68	2.76	25.42	72.85	75.04	3.51	6.552	0.021
9/30/2014	0.92	2.40	2.61	30.17	72.88	75.11	4.42	8.506	0.027
10/31/2014	0.96	2.33	2.43	34.55	72.91	75.18	5.49	9.835	0.033
11/30/2014	0.85	3.59	4.20	35.27	72.93	75.29	6.55	7.586	0.040
12/31/2014	5.64	13.88	2.46	35.03	73.11	75.72	7.63	1.679	0.046
1/31/2015	2.93	9.92	3.39	36.68	73.20	76.03	8.77	2.705	0.053
2/28/2015	2.90	9.15	3.15	45.00	73.28	76.28	10.03	3.530	0.060
3/31/2015	5.14	16.21	3.15	48.52	73.44	76.79	11.54	2.148	0.069
4/30/2015	3.87	16.25	4.20	50.30	73.55	77.27	13.04	2.390	0.077
5/31/2015	3.92	16.35	4.17	50.23	73.68	77.78	14.60	2.368	0.086
6/30/2015	3.17	15.17	4.78	49.50	73.77	78.23	16.09	2.592	0.095
7/31/2015	3.72	18.33	4.93	50.42	73.89	78.80	17.65	2.198	0.104
8/31/2015	3.94	18.02	4.57	48.61	74.01	79.36	19.16	2.122	0.112
9/30/2015	4.05	17.05	4.20	46.33	74.13	79.87	20.55	2.099	0.120
10/31/2015	4.25	18.94	4.46	45.13	74.26	80.46	21.95	1.864	0.127
11/30/2015	4.20	20.63	4.91	44.17	74.39	81.08	23.27	1.709	0.134
12/31/2015	4.82	19.86	4.12	43.52	74.54	81.69	24.62	1.684	0.141
1/31/2016	4.92	19.01	3.86	43.00	74.69	82.28	25.95	1.712	0.148
2/29/2016	5.15	20.87	4.05	42.62	74.84	82.89	27.19	1.563	0.155
3/31/2016	4.63	19.18	4.14	42.39	74.98	83.48	28.50	1.701	0.162
4/30/2016	4.96	20.27	4.08	41.63	75.13	84.09	29.75	1.575	0.168
5/31/2016	5.33	21.33	4.00	49.71	75.30	84.75	31.29	1.779	0.176
6/30/2016	4.92	19.97	4.06	50.03	75.45	85.35	32.79	1.919	0.183
7/31/2016	4.33	20.05	4.63	49.32	75.58	85.97	34.32	1.940	0.191
8/31/2016	4.53	22.42	4.95	51.00	75.72	86.67	35.90	1.819	0.199
9/30/2016	4.64	23.28	5.02	46.53	75.86	87.37	37.30	1.602	0.206
10/31/2016	4.54	24.95	5.50	40.68	76.00	88.14	38.56	1.330	0.211
11/30/2016	4.50	24.86	5.52	51.03	76.13	88.89	40.09	1.676	0.219
12/31/2016	4.35	24.72	5.68	55.10	76.27	89.65	41.80	1.830	0.227

Oil Formation Vol Factor : 1.24000 Pattern: 07-19-003-28Inj Set: NPU#1

Water Formation Vol Factor : 1.00000 m3/m3

August 01, 2017

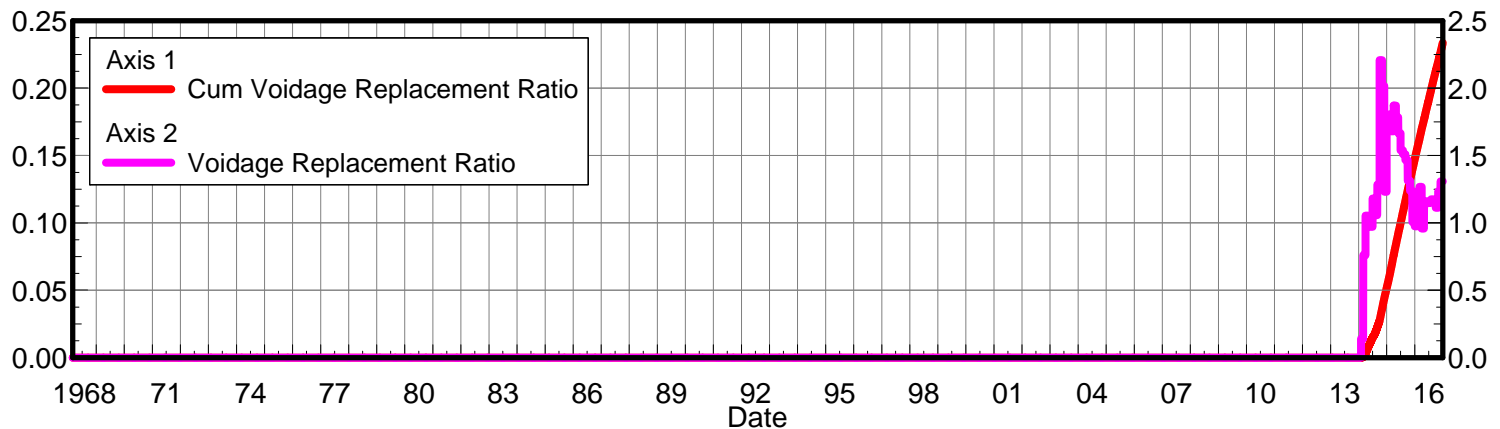
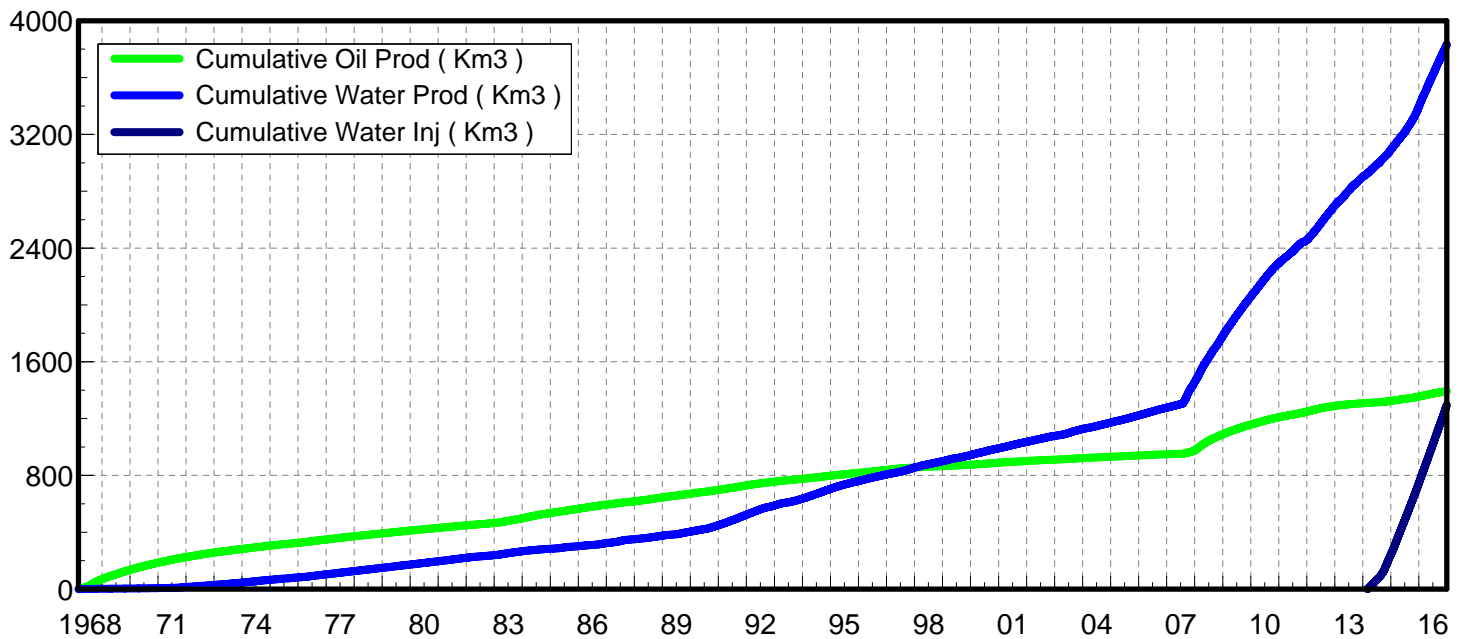
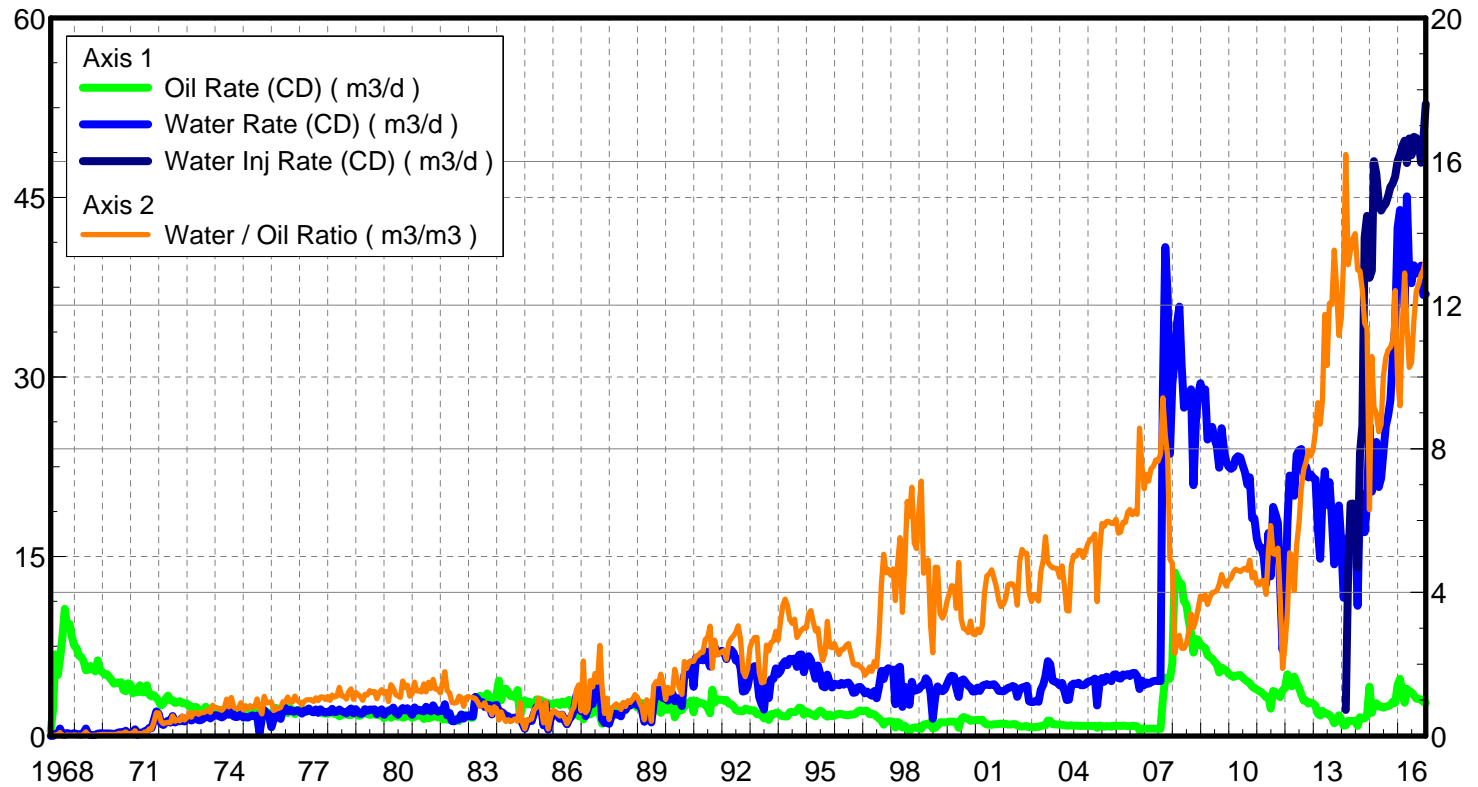
Water / Oil Ratio : 13.62 m3/m3

Operator: TUNDRA_OIL_&_GAS_LIMITED

Oil Rate (CD) : 2.45 m3/d

Water Rate (CD) : 33.37 m3/d

Water Inj Rate (CD) : 58.64 m3/d



Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
1/31/1965					0.00	0.00	0.00		
2/28/1965					0.00	0.00	0.00		
3/31/1965					0.00	0.00	0.00		
4/30/1965					0.00	0.00	0.00		
5/31/1965					0.00	0.00	0.00		
6/30/1965					0.00	0.00	0.00		
7/31/1965					0.00	0.00	0.00		
8/31/1965					0.00	0.00	0.00		
9/30/1965					0.00	0.00	0.00		
10/31/1965					0.00	0.00	0.00		
11/30/1965					0.00	0.00	0.00		
12/31/1965					0.00	0.00	0.00		
1/31/1966					0.00	0.00	0.00		
2/28/1966					0.00	0.00	0.00		
3/31/1966					0.00	0.00	0.00		
4/30/1966					0.00	0.00	0.00		
5/31/1966					0.00	0.00	0.00		
6/30/1966					0.00	0.00	0.00		
7/31/1966					0.00	0.00	0.00		
8/31/1966					0.00	0.00	0.00		
9/30/1966					0.00	0.00	0.00		
10/31/1966					0.00	0.00	0.00		
11/30/1966					0.00	0.00	0.00		
12/31/1966					0.00	0.00	0.00		
1/31/1967					0.00	0.00	0.00		
2/28/1967					0.00	0.00	0.00		
3/31/1967					0.00	0.00	0.00		
4/30/1967					0.00	0.00	0.00		
5/31/1967					0.00	0.00	0.00		
6/30/1967					0.00	0.00	0.00		
7/31/1967					0.00	0.00	0.00		
8/31/1967					0.00	0.00	0.00		
9/30/1967					0.00	0.00	0.00		
10/31/1967					0.00	0.00	0.00		
11/30/1967					0.00	0.00	0.00		
12/31/1967					0.00	0.00	0.00		
1/31/1968					0.00	0.00	0.00		
2/29/1968	0.39	0.01	0.04		0.01	0.00	0.00	0.000	0.000
3/31/1968	2.26	0.01	0.00		0.08	0.00	0.00	0.000	0.000
4/30/1968	6.82	0.17	0.02		0.29	0.01	0.00	0.000	0.000
5/31/1968	5.09	0.16	0.03		0.44	0.01	0.00	0.000	0.000
6/30/1968	6.43	0.62	0.10		0.64	0.03	0.00	0.000	0.000
7/31/1968	8.24	0.16	0.02		0.89	0.03	0.00	0.000	0.000
8/31/1968	10.62	0.09	0.01		1.22	0.04	0.00	0.000	0.000
9/30/1968	9.09	0.25	0.03		1.49	0.04	0.00	0.000	0.000
10/31/1968	9.35	0.18	0.02		1.78	0.05	0.00	0.000	0.000
11/30/1968	8.29	0.16	0.02		2.03	0.06	0.00	0.000	0.000
12/31/1968	7.53	0.23	0.03		2.27	0.06	0.00	0.000	0.000
1/31/1969	7.34	0.15	0.02		2.49	0.07	0.00	0.000	0.000
2/28/1969	6.70	0.14	0.02		2.68	0.07	0.00	0.000	0.000
3/31/1969	6.60	0.12	0.02		2.89	0.07	0.00	0.000	0.000
4/30/1969	6.26	0.27	0.04		3.07	0.08	0.00	0.000	0.000
5/31/1969	5.49	0.62	0.11		3.24	0.10	0.00	0.000	0.000
6/30/1969	5.53	0.16	0.03		3.41	0.11	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
7/31/1969	5.85	0.09	0.01		3.59	0.11	0.00	0.000	0.000
8/31/1969	5.59	0.08	0.01		3.76	0.11	0.00	0.000	0.000
9/30/1969	5.40	0.11	0.02		3.93	0.11	0.00	0.000	0.000
10/31/1969	6.32	0.19	0.03		4.12	0.12	0.00	0.000	0.000
11/30/1969	5.52	0.22	0.04		4.29	0.13	0.00	0.000	0.000
12/31/1969	5.32	0.22	0.04		4.45	0.13	0.00	0.000	0.000
1/31/1970	5.12	0.21	0.04		4.61	0.14	0.00	0.000	0.000
2/28/1970	5.17	0.20	0.04		4.76	0.15	0.00	0.000	0.000
3/31/1970	4.91	0.21	0.04		4.91	0.15	0.00	0.000	0.000
4/30/1970	4.65	0.20	0.04		5.05	0.16	0.00	0.000	0.000
5/31/1970	4.36	0.18	0.04		5.18	0.16	0.00	0.000	0.000
6/30/1970	4.46	0.19	0.04		5.32	0.17	0.00	0.000	0.000
7/31/1970	4.43	0.31	0.07		5.45	0.18	0.00	0.000	0.000
8/31/1970	4.51	0.32	0.07		5.59	0.19	0.00	0.000	0.000
9/30/1970	3.83	0.31	0.08		5.71	0.20	0.00	0.000	0.000
10/31/1970	3.74	0.43	0.12		5.83	0.21	0.00	0.000	0.000
11/30/1970	4.41	0.24	0.05		5.96	0.22	0.00	0.000	0.000
12/31/1970	4.29	0.24	0.06		6.09	0.23	0.00	0.000	0.000
1/31/1971	3.57	0.32	0.09		6.20	0.24	0.00	0.000	0.000
2/28/1971	3.88	0.56	0.14		6.31	0.25	0.00	0.000	0.000
3/31/1971	3.65	0.09	0.03		6.42	0.25	0.00	0.000	0.000
4/30/1971	4.24	0.29	0.07		6.55	0.26	0.00	0.000	0.000
5/31/1971	3.64	0.15	0.04		6.66	0.27	0.00	0.000	0.000
6/30/1971	3.67	0.40	0.11		6.77	0.28	0.00	0.000	0.000
7/31/1971	4.23	0.43	0.10		6.90	0.29	0.00	0.000	0.000
8/31/1971	3.44	0.67	0.20		7.01	0.31	0.00	0.000	0.000
9/30/1971	3.29	0.65	0.20		7.11	0.33	0.00	0.000	0.000
10/31/1971	3.42	1.34	0.39		7.22	0.38	0.00	0.000	0.000
11/30/1971	3.19	2.06	0.65		7.31	0.44	0.00	0.000	0.000
12/31/1971	2.90	1.87	0.64		7.40	0.49	0.00	0.000	0.000
1/31/1972	2.55	1.02	0.40		7.48	0.53	0.00	0.000	0.000
2/29/1972	2.70	0.92	0.34		7.56	0.55	0.00	0.000	0.000
3/31/1972	3.12	1.15	0.37		7.66	0.59	0.00	0.000	0.000
4/30/1972	3.38	1.27	0.38		7.76	0.63	0.00	0.000	0.000
5/31/1972	2.98	1.11	0.37		7.85	0.66	0.00	0.000	0.000
6/30/1972	2.99	1.67	0.56		7.94	0.71	0.00	0.000	0.000
7/31/1972	2.77	1.13	0.41		8.02	0.75	0.00	0.000	0.000
8/31/1972	2.80	1.27	0.45		8.11	0.79	0.00	0.000	0.000
9/30/1972	2.91	1.23	0.42		8.20	0.82	0.00	0.000	0.000
10/31/1972	2.73	1.53	0.56		8.28	0.87	0.00	0.000	0.000
11/30/1972	2.72	1.21	0.44		8.37	0.91	0.00	0.000	0.000
12/31/1972	2.72	1.38	0.51		8.45	0.95	0.00	0.000	0.000
1/31/1973	2.47	1.62	0.65		8.53	1.00	0.00	0.000	0.000
2/28/1973	2.47	1.29	0.52		8.60	1.04	0.00	0.000	0.000
3/31/1973	2.18	1.39	0.64		8.66	1.08	0.00	0.000	0.000
4/30/1973	2.42	1.57	0.65		8.74	1.13	0.00	0.000	0.000
5/31/1973	2.20	1.32	0.60		8.80	1.17	0.00	0.000	0.000
6/30/1973	2.01	1.31	0.65		8.86	1.21	0.00	0.000	0.000
7/31/1973	2.22	1.44	0.65		8.93	1.25	0.00	0.000	0.000
8/31/1973	2.44	1.65	0.67		9.01	1.30	0.00	0.000	0.000
9/30/1973	2.28	1.67	0.73		9.08	1.35	0.00	0.000	0.000
10/31/1973	2.24	1.47	0.66		9.15	1.40	0.00	0.000	0.000
11/30/1973	1.93	1.65	0.86		9.20	1.45	0.00	0.000	0.000
12/31/1973	2.20	1.73	0.79		9.27	1.50	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
1/31/1974	2.21	1.72	0.78		9.34	1.55	0.00	0.000	0.000
2/28/1974	2.18	1.64	0.75		9.40	1.60	0.00	0.000	0.000
3/31/1974	2.16	1.55	0.72		9.47	1.65	0.00	0.000	0.000
4/30/1974	2.13	1.69	0.79		9.53	1.70	0.00	0.000	0.000
5/31/1974	2.04	2.09	1.03		9.60	1.76	0.00	0.000	0.000
6/30/1974	2.19	1.78	0.81		9.66	1.82	0.00	0.000	0.000
7/31/1974	2.00	2.15	1.07		9.72	1.88	0.00	0.000	0.000
8/31/1974	2.05	1.65	0.80		9.79	1.93	0.00	0.000	0.000
9/30/1974	2.06	1.57	0.76		9.85	1.98	0.00	0.000	0.000
10/31/1974	2.14	1.63	0.76		9.92	2.03	0.00	0.000	0.000
11/30/1974	1.95	1.81	0.93		9.97	2.09	0.00	0.000	0.000
12/31/1974	2.12	1.54	0.72		10.04	2.13	0.00	0.000	0.000
1/31/1975	1.89	1.59	0.84		10.10	2.18	0.00	0.000	0.000
2/28/1975	1.98	1.53	0.77		10.15	2.23	0.00	0.000	0.000
3/31/1975	1.95	1.64	0.84		10.21	2.28	0.00	0.000	0.000
4/30/1975	2.16	1.72	0.79		10.28	2.33	0.00	0.000	0.000
5/31/1975	1.96	1.64	0.83		10.34	2.38	0.00	0.000	0.000
6/30/1975	1.65	1.70	1.03		10.39	2.43	0.00	0.000	0.000
7/31/1975	0.32	0.24	0.76		10.40	2.44	0.00	0.000	0.000
8/31/1975	2.40	1.47	0.61		10.47	2.48	0.00	0.000	0.000
9/30/1975	1.96	2.16	1.10		10.53	2.55	0.00	0.000	0.000
10/31/1975	2.02	1.86	0.92		10.59	2.61	0.00	0.000	0.000
11/30/1975	1.92	1.80	0.93		10.65	2.66	0.00	0.000	0.000
12/31/1975	0.76	0.73	0.95		10.68	2.68	0.00	0.000	0.000
1/31/1976	1.98	1.41	0.71		10.74	2.73	0.00	0.000	0.000
2/29/1976	2.34	1.76	0.75		10.81	2.78	0.00	0.000	0.000
3/31/1976	2.16	1.66	0.77		10.87	2.83	0.00	0.000	0.000
4/30/1976	1.80	1.43	0.79		10.93	2.87	0.00	0.000	0.000
5/31/1976	2.38	2.28	0.96		11.00	2.94	0.00	0.000	0.000
6/30/1976	2.45	2.34	0.95		11.07	3.01	0.00	0.000	0.000
7/31/1976	1.91	2.07	1.08		11.13	3.08	0.00	0.000	0.000
8/31/1976	2.32	2.19	0.94		11.21	3.14	0.00	0.000	0.000
9/30/1976	2.18	2.06	0.94		11.27	3.21	0.00	0.000	0.000
10/31/1976	1.83	2.04	1.11		11.33	3.27	0.00	0.000	0.000
11/30/1976	2.17	2.15	0.99		11.39	3.33	0.00	0.000	0.000
12/31/1976	2.17	2.04	0.94		11.46	3.40	0.00	0.000	0.000
1/31/1977	2.15	1.86	0.87		11.53	3.45	0.00	0.000	0.000
2/28/1977	2.21	2.12	0.96		11.59	3.51	0.00	0.000	0.000
3/31/1977	2.03	2.05	1.01		11.65	3.58	0.00	0.000	0.000
4/30/1977	2.28	2.30	1.01		11.72	3.65	0.00	0.000	0.000
5/31/1977	2.05	2.07	1.01		11.78	3.71	0.00	0.000	0.000
6/30/1977	2.05	1.97	0.96		11.84	3.77	0.00	0.000	0.000
7/31/1977	2.08	2.21	1.06		11.91	3.84	0.00	0.000	0.000
8/31/1977	1.97	1.94	0.98		11.97	3.90	0.00	0.000	0.000
9/30/1977	2.06	2.23	1.08		12.03	3.96	0.00	0.000	0.000
10/31/1977	1.88	2.04	1.08		12.09	4.03	0.00	0.000	0.000
11/30/1977	1.91	1.94	1.02		12.15	4.09	0.00	0.000	0.000
12/31/1977	1.85	2.03	1.10		12.20	4.15	0.00	0.000	0.000
1/31/1978	2.01	1.99	0.99		12.27	4.21	0.00	0.000	0.000
2/28/1978	1.99	2.27	1.14		12.32	4.27	0.00	0.000	0.000
3/31/1978	1.84	2.00	1.09		12.38	4.34	0.00	0.000	0.000
4/30/1978	1.82	2.03	1.11		12.43	4.40	0.00	0.000	0.000
5/31/1978	1.64	2.21	1.35		12.49	4.47	0.00	0.000	0.000
6/30/1978	1.85	2.07	1.12		12.54	4.53	0.00	0.000	0.000

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7/31/1978	1.79	1.99	1.11		12.60	4.59	0.00	0.000	0.000
8/31/1978	1.83	1.88	1.03		12.65	4.65	0.00	0.000	0.000
9/30/1978	1.74	2.14	1.23		12.71	4.71	0.00	0.000	0.000
10/31/1978	1.75	2.29	1.31		12.76	4.78	0.00	0.000	0.000
11/30/1978	1.84	1.89	1.02		12.81	4.84	0.00	0.000	0.000
12/31/1978	1.86	2.25	1.21		12.87	4.91	0.00	0.000	0.000
1/31/1979	1.70	1.95	1.15		12.93	4.97	0.00	0.000	0.000
2/28/1979	1.69	1.86	1.10		12.97	5.02	0.00	0.000	0.000
3/31/1979	1.91	1.89	0.99		13.03	5.08	0.00	0.000	0.000
4/30/1979	1.93	2.24	1.16		13.09	5.15	0.00	0.000	0.000
5/31/1979	1.83	2.09	1.14		13.15	5.21	0.00	0.000	0.000
6/30/1979	1.76	2.22	1.26		13.20	5.28	0.00	0.000	0.000
7/31/1979	1.83	2.21	1.21		13.26	5.35	0.00	0.000	0.000
8/31/1979	1.79	2.23	1.24		13.31	5.42	0.00	0.000	0.000
9/30/1979	1.75	1.82	1.04		13.36	5.47	0.00	0.000	0.000
10/31/1979	1.73	2.07	1.20		13.42	5.53	0.00	0.000	0.000
11/30/1979	1.73	2.23	1.29		13.47	5.60	0.00	0.000	0.000
12/31/1979	1.48	1.75	1.19		13.51	5.66	0.00	0.000	0.000
1/31/1980	1.64	2.03	1.24		13.57	5.72	0.00	0.000	0.000
2/29/1980	2.17	2.08	0.96		13.63	5.78	0.00	0.000	0.000
3/31/1980	1.52	2.17	1.43		13.68	5.85	0.00	0.000	0.000
4/30/1980	1.79	2.37	1.33		13.73	5.92	0.00	0.000	0.000
5/31/1980	1.68	1.94	1.15		13.78	5.98	0.00	0.000	0.000
6/30/1980	1.60	1.78	1.11		13.83	6.03	0.00	0.000	0.000
7/31/1980	1.97	2.11	1.07		13.89	6.10	0.00	0.000	0.000
8/31/1980	1.53	2.34	1.53		13.94	6.17	0.00	0.000	0.000
9/30/1980	1.58	2.14	1.35		13.98	6.23	0.00	0.000	0.000
10/31/1980	1.64	2.32	1.41		14.04	6.30	0.00	0.000	0.000
11/30/1980	1.82	2.02	1.11		14.09	6.37	0.00	0.000	0.000
12/31/1980	1.50	1.76	1.18		14.14	6.42	0.00	0.000	0.000
1/31/1981	1.60	2.39	1.50		14.19	6.49	0.00	0.000	0.000
2/28/1981	1.69	2.12	1.26		14.23	6.55	0.00	0.000	0.000
3/31/1981	1.74	2.20	1.27		14.29	6.62	0.00	0.000	0.000
4/30/1981	1.71	2.09	1.22		14.34	6.68	0.00	0.000	0.000
5/31/1981	1.42	2.05	1.45		14.38	6.75	0.00	0.000	0.000
6/30/1981	1.99	2.45	1.23		14.44	6.82	0.00	0.000	0.000
7/31/1981	1.46	2.19	1.50		14.49	6.89	0.00	0.000	0.000
8/31/1981	1.55	2.05	1.32		14.54	6.95	0.00	0.000	0.000
9/30/1981	1.62	2.56	1.57		14.58	7.03	0.00	0.000	0.000
10/31/1981	1.69	2.20	1.30		14.64	7.10	0.00	0.000	0.000
11/30/1981	1.55	2.02	1.31		14.68	7.16	0.00	0.000	0.000
12/31/1981	1.79	2.14	1.19		14.74	7.22	0.00	0.000	0.000
1/31/1982	1.37	2.07	1.51		14.78	7.29	0.00	0.000	0.000
2/28/1982	1.49	2.66	1.79		14.82	7.36	0.00	0.000	0.000
3/31/1982	1.36	1.72	1.26		14.87	7.42	0.00	0.000	0.000
4/30/1982	1.61	1.92	1.20		14.91	7.47	0.00	0.000	0.000
5/31/1982	1.34	1.25	0.93		14.95	7.51	0.00	0.000	0.000
6/30/1982	1.34	1.23	0.92		15.00	7.55	0.00	0.000	0.000
7/31/1982	1.45	1.35	0.93		15.04	7.59	0.00	0.000	0.000
8/31/1982	1.25	1.39	1.11		15.08	7.63	0.00	0.000	0.000
9/30/1982	1.68	1.80	1.07		15.13	7.69	0.00	0.000	0.000
10/31/1982	1.77	1.46	0.82		15.18	7.73	0.00	0.000	0.000
11/30/1982	1.59	1.71	1.07		15.23	7.79	0.00	0.000	0.000
12/31/1982	1.56	1.71	1.10		15.28	7.84	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
1/31/1983	1.53	1.63	1.06		15.33	7.89	0.00	0.000	0.000
2/28/1983	1.53	1.63	1.07		15.37	7.93	0.00	0.000	0.000
3/31/1983	3.13	3.27	1.05		15.47	8.04	0.00	0.000	0.000
4/30/1983	3.24	3.07	0.95		15.57	8.13	0.00	0.000	0.000
5/31/1983	3.35	2.74	0.82		15.67	8.21	0.00	0.000	0.000
6/30/1983	3.30	2.83	0.86		15.77	8.30	0.00	0.000	0.000
7/31/1983	2.61	2.42	0.93		15.85	8.37	0.00	0.000	0.000
8/31/1983	3.55	2.60	0.73		15.96	8.45	0.00	0.000	0.000
9/30/1983	3.27	2.59	0.79		16.06	8.53	0.00	0.000	0.000
10/31/1983	3.03	1.80	0.60		16.15	8.59	0.00	0.000	0.000
11/30/1983	3.12	2.54	0.81		16.24	8.66	0.00	0.000	0.000
12/31/1983	3.43	2.60	0.76		16.35	8.74	0.00	0.000	0.000
1/31/1984	4.63	2.06	0.44		16.49	8.81	0.00	0.000	0.000
2/29/1984	2.99	2.01	0.67		16.58	8.87	0.00	0.000	0.000
3/31/1984	3.79	1.90	0.50		16.70	8.92	0.00	0.000	0.000
4/30/1984	3.95	1.59	0.40		16.82	8.97	0.00	0.000	0.000
5/31/1984	3.66	1.65	0.45		16.93	9.02	0.00	0.000	0.000
6/30/1984	3.34	1.35	0.40		17.03	9.06	0.00	0.000	0.000
7/31/1984	3.43	1.52	0.44		17.14	9.11	0.00	0.000	0.000
8/31/1984	3.20	1.52	0.48		17.24	9.16	0.00	0.000	0.000
9/30/1984	3.81	1.57	0.41		17.35	9.21	0.00	0.000	0.000
10/31/1984	1.54	1.43	0.92		17.40	9.25	0.00	0.000	0.000
11/30/1984	2.79	1.05	0.38		17.48	9.28	0.00	0.000	0.000
12/31/1984	2.98	0.59	0.20		17.57	9.30	0.00	0.000	0.000
1/31/1985	2.65	1.18	0.45		17.66	9.34	0.00	0.000	0.000
2/28/1985	2.86	1.26	0.44		17.74	9.37	0.00	0.000	0.000
3/31/1985	2.62	1.25	0.48		17.82	9.41	0.00	0.000	0.000
4/30/1985	2.56	1.87	0.73		17.89	9.47	0.00	0.000	0.000
5/31/1985	3.05	2.43	0.80		17.99	9.54	0.00	0.000	0.000
6/30/1985	2.39	2.53	1.06		18.06	9.62	0.00	0.000	0.000
7/31/1985	2.99	2.42	0.81		18.15	9.69	0.00	0.000	0.000
8/31/1985	2.48	0.90	0.36		18.23	9.72	0.00	0.000	0.000
9/30/1985	2.82	2.68	0.95		18.32	9.80	0.00	0.000	0.000
10/31/1985	2.74	0.54	0.20		18.40	9.82	0.00	0.000	0.000
11/30/1985	2.66	1.39	0.52		18.48	9.86	0.00	0.000	0.000
12/31/1985	2.66	1.88	0.71		18.56	9.92	0.00	0.000	0.000
1/31/1986	2.75	1.89	0.69		18.65	9.98	0.00	0.000	0.000
2/28/1986	2.81	1.70	0.61		18.73	10.02	0.00	0.000	0.000
3/31/1986	2.57	1.43	0.56		18.81	10.07	0.00	0.000	0.000
4/30/1986	2.86	1.79	0.63		18.89	10.12	0.00	0.000	0.000
5/31/1986	2.63	1.33	0.51		18.97	10.16	0.00	0.000	0.000
6/30/1986	2.89	0.97	0.34		19.06	10.19	0.00	0.000	0.000
7/31/1986	3.02	1.40	0.46		19.15	10.24	0.00	0.000	0.000
8/31/1986	2.40	1.66	0.69		19.23	10.29	0.00	0.000	0.000
9/30/1986	2.65	2.12	0.80		19.31	10.35	0.00	0.000	0.000
10/31/1986	2.62	3.35	1.28		19.39	10.45	0.00	0.000	0.000
11/30/1986	1.65	2.35	1.42		19.44	10.52	0.00	0.000	0.000
12/31/1986	2.95	2.06	0.70		19.53	10.59	0.00	0.000	0.000
1/31/1987	1.39	2.90	2.09		19.57	10.68	0.00	0.000	0.000
2/28/1987	2.55	1.65	0.65		19.64	10.73	0.00	0.000	0.000
3/31/1987	3.03	2.25	0.74		19.74	10.79	0.00	0.000	0.000
4/30/1987	1.80	2.77	1.54		19.79	10.88	0.00	0.000	0.000
5/31/1987	1.96	2.67	1.37		19.85	10.96	0.00	0.000	0.000
6/30/1987	2.22	3.87	1.74		19.92	11.08	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	VRR	Cum VRR
7/31/1987	2.71	4.05	1.50		20.00	11.20	0.00	0.000	0.000
8/31/1987	1.82	4.60	2.53		20.06	11.35	0.00	0.000	0.000
9/30/1987	1.03	1.38	1.34		20.09	11.39	0.00	0.000	0.000
10/31/1987	1.74	1.09	0.63		20.14	11.42	0.00	0.000	0.000
11/30/1987	2.23	2.35	1.05		20.21	11.49	0.00	0.000	0.000
12/31/1987	2.23	1.02	0.46		20.28	11.52	0.00	0.000	0.000
1/31/1988	2.16	1.65	0.77		20.35	11.57	0.00	0.000	0.000
2/29/1988	2.27	1.88	0.83		20.41	11.63	0.00	0.000	0.000
3/31/1988	2.00	1.79	0.89		20.47	11.68	0.00	0.000	0.000
4/30/1988	2.16	1.82	0.84		20.54	11.74	0.00	0.000	0.000
5/31/1988	2.24	1.65	0.74		20.61	11.79	0.00	0.000	0.000
6/30/1988	2.61	2.44	0.93		20.69	11.86	0.00	0.000	0.000
7/31/1988	2.65	2.18	0.82		20.77	11.93	0.00	0.000	0.000
8/31/1988	2.62	2.57	0.98		20.85	12.01	0.00	0.000	0.000
9/30/1988	2.72	2.54	0.94		20.93	12.09	0.00	0.000	0.000
10/31/1988	2.86	2.93	1.02		21.02	12.18	0.00	0.000	0.000
11/30/1988	2.53	2.92	1.15		21.10	12.26	0.00	0.000	0.000
12/31/1988	2.37	2.55	1.08		21.17	12.34	0.00	0.000	0.000
1/31/1989	2.77	2.52	0.91		21.26	12.42	0.00	0.000	0.000
2/28/1989	2.75	2.17	0.79		21.33	12.48	0.00	0.000	0.000
3/31/1989	2.65	1.18	0.45		21.42	12.52	0.00	0.000	0.000
4/30/1989	1.89	1.91	1.01		21.47	12.58	0.00	0.000	0.000
5/31/1989	1.83	1.69	0.92		21.53	12.63	0.00	0.000	0.000
6/30/1989	2.78	1.14	0.41		21.61	12.66	0.00	0.000	0.000
7/31/1989	2.01	2.83	1.40		21.67	12.75	0.00	0.000	0.000
8/31/1989	2.30	3.50	1.52		21.75	12.86	0.00	0.000	0.000
9/30/1989	2.69	3.91	1.45		21.83	12.98	0.00	0.000	0.000
10/31/1989	1.94	3.34	1.72		21.89	13.08	0.00	0.000	0.000
11/30/1989	2.17	3.17	1.46		21.95	13.17	0.00	0.000	0.000
12/31/1989	3.07	3.13	1.02		22.05	13.27	0.00	0.000	0.000
1/31/1990	2.18	2.95	1.35		22.11	13.36	0.00	0.000	0.000
2/28/1990	3.06	3.65	1.19		22.20	13.46	0.00	0.000	0.000
3/31/1990	2.89	3.54	1.22		22.29	13.57	0.00	0.000	0.000
4/30/1990	1.56	2.90	1.86		22.34	13.66	0.00	0.000	0.000
5/31/1990	2.00	3.16	1.58		22.40	13.76	0.00	0.000	0.000
6/30/1990	2.17	2.89	1.33		22.46	13.85	0.00	0.000	0.000
7/31/1990	2.15	2.49	1.16		22.53	13.92	0.00	0.000	0.000
8/31/1990	2.45	5.07	2.08		22.61	14.08	0.00	0.000	0.000
9/30/1990	2.71	5.10	1.88		22.69	14.23	0.00	0.000	0.000
10/31/1990	2.72	5.61	2.06		22.77	14.41	0.00	0.000	0.000
11/30/1990	2.96	6.14	2.08		22.86	14.59	0.00	0.000	0.000
12/31/1990	1.98	4.12	2.08		22.92	14.72	0.00	0.000	0.000
1/31/1991	2.94	6.53	2.22		23.01	14.92	0.00	0.000	0.000
2/28/1991	2.81	6.33	2.25		23.09	15.10	0.00	0.000	0.000
3/31/1991	2.76	6.44	2.33		23.18	15.30	0.00	0.000	0.000
4/30/1991	2.71	6.31	2.33		23.26	15.49	0.00	0.000	0.000
5/31/1991	2.64	7.08	2.69		23.34	15.71	0.00	0.000	0.000
6/30/1991	2.33	6.39	2.75		23.41	15.90	0.00	0.000	0.000
7/31/1991	1.90	5.80	3.06		23.47	16.08	0.00	0.000	0.000
8/31/1991	3.88	7.33	1.89		23.59	16.31	0.00	0.000	0.000
9/30/1991	2.79	7.43	2.67		23.67	16.53	0.00	0.000	0.000
10/31/1991	3.06	6.91	2.26		23.77	16.74	0.00	0.000	0.000
11/30/1991	3.05	6.98	2.29		23.86	16.95	0.00	0.000	0.000
12/31/1991	3.03	7.12	2.35		23.95	17.17	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
1/31/1992	2.93	6.98	2.38		24.04	17.39	0.00	0.000	0.000
2/29/1992	3.01	6.42	2.14		24.13	17.58	0.00	0.000	0.000
3/31/1992	2.69	6.99	2.60		24.22	17.79	0.00	0.000	0.000
4/30/1992	2.65	7.20	2.72		24.29	18.01	0.00	0.000	0.000
5/31/1992	2.49	6.95	2.79		24.37	18.22	0.00	0.000	0.000
6/30/1992	2.18	6.31	2.89		24.44	18.41	0.00	0.000	0.000
7/31/1992	2.09	6.43	3.07		24.50	18.61	0.00	0.000	0.000
8/31/1992	2.10	5.62	2.68		24.57	18.79	0.00	0.000	0.000
9/30/1992	2.05	3.71	1.81		24.63	18.90	0.00	0.000	0.000
10/31/1992	2.28	3.76	1.65		24.70	19.02	0.00	0.000	0.000
11/30/1992	2.23	4.15	1.86		24.77	19.14	0.00	0.000	0.000
12/31/1992	2.11	5.23	2.48		24.83	19.30	0.00	0.000	0.000
1/31/1993	2.15	5.70	2.65		24.90	19.48	0.00	0.000	0.000
2/28/1993	2.13	5.84	2.74		24.96	19.64	0.00	0.000	0.000
3/31/1993	1.82	4.98	2.74		25.01	19.80	0.00	0.000	0.000
4/30/1993	1.82	3.24	1.78		25.07	19.89	0.00	0.000	0.000
5/31/1993	1.79	2.65	1.48		25.12	19.98	0.00	0.000	0.000
6/30/1993	1.46	2.20	1.50		25.17	20.04	0.00	0.000	0.000
7/31/1993	1.72	4.35	2.53		25.22	20.18	0.00	0.000	0.000
8/31/1993	1.33	3.16	2.37		25.26	20.27	0.00	0.000	0.000
9/30/1993	1.82	4.74	2.60		25.32	20.42	0.00	0.000	0.000
10/31/1993	1.80	4.76	2.65		25.37	20.56	0.00	0.000	0.000
11/30/1993	1.94	5.65	2.92		25.43	20.73	0.00	0.000	0.000
12/31/1993	1.94	5.17	2.66		25.49	20.89	0.00	0.000	0.000
1/31/1994	1.71	5.42	3.18		25.54	21.06	0.00	0.000	0.000
2/28/1994	1.65	5.99	3.63		25.59	21.23	0.00	0.000	0.000
3/31/1994	1.64	6.26	3.81		25.64	21.42	0.00	0.000	0.000
4/30/1994	1.63	5.92	3.64		25.69	21.60	0.00	0.000	0.000
5/31/1994	1.99	6.45	3.24		25.75	21.80	0.00	0.000	0.000
6/30/1994	2.01	6.30	3.14		25.81	21.99	0.00	0.000	0.000
7/31/1994	1.99	6.48	3.26		25.87	22.19	0.00	0.000	0.000
8/31/1994	2.10	5.77	2.74		25.94	22.37	0.00	0.000	0.000
9/30/1994	2.37	6.79	2.86		26.01	22.57	0.00	0.000	0.000
10/31/1994	2.31	6.81	2.95		26.08	22.78	0.00	0.000	0.000
11/30/1994	1.77	5.33	3.01		26.13	22.94	0.00	0.000	0.000
12/31/1994	2.03	6.09	3.00		26.20	23.13	0.00	0.000	0.000
1/31/1995	1.96	6.66	3.40		26.26	23.34	0.00	0.000	0.000
2/28/1995	1.81	6.34	3.49		26.31	23.52	0.00	0.000	0.000
3/31/1995	1.75	5.53	3.17		26.36	23.69	0.00	0.000	0.000
4/30/1995	1.64	4.78	2.92		26.41	23.83	0.00	0.000	0.000
5/31/1995	1.97	5.89	2.99		26.47	24.01	0.00	0.000	0.000
6/30/1995	2.12	5.16	2.43		26.54	24.17	0.00	0.000	0.000
7/31/1995	1.98	4.16	2.10		26.60	24.30	0.00	0.000	0.000
8/31/1995	1.76	4.05	2.30		26.65	24.42	0.00	0.000	0.000
9/30/1995	1.61	5.13	3.19		26.70	24.58	0.00	0.000	0.000
10/31/1995	1.79	4.45	2.48		26.76	24.72	0.00	0.000	0.000
11/30/1995	1.65	4.05	2.46		26.81	24.84	0.00	0.000	0.000
12/31/1995	1.69	4.36	2.58		26.86	24.97	0.00	0.000	0.000
1/31/1996	1.80	4.32	2.40		26.91	25.11	0.00	0.000	0.000
2/29/1996	1.87	4.24	2.27		26.97	25.23	0.00	0.000	0.000
3/31/1996	1.84	4.43	2.41		27.03	25.37	0.00	0.000	0.000
4/30/1996	1.77	4.28	2.42		27.08	25.49	0.00	0.000	0.000
5/31/1996	1.75	4.42	2.52		27.13	25.63	0.00	0.000	0.000
6/30/1996	1.73	4.45	2.57		27.18	25.77	0.00	0.000	0.000

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7/31/1996	1.82	4.17	2.29		27.24	25.89	0.00	0.000	0.000
8/31/1996	1.79	3.60	2.01		27.30	26.01	0.00	0.000	0.000
9/30/1996	1.85	3.64	1.97		27.35	26.12	0.00	0.000	0.000
10/31/1996	2.05	4.07	1.99		27.42	26.24	0.00	0.000	0.000
11/30/1996	2.13	4.10	1.92		27.48	26.36	0.00	0.000	0.000
12/31/1996	2.07	3.86	1.86		27.54	26.48	0.00	0.000	0.000
1/31/1997	2.10	3.56	1.69		27.61	26.60	0.00	0.000	0.000
2/28/1997	2.09	3.71	1.77		27.67	26.70	0.00	0.000	0.000
3/31/1997	1.81	3.48	1.93		27.72	26.81	0.00	0.000	0.000
4/30/1997	1.87	3.36	1.80		27.78	26.91	0.00	0.000	0.000
5/31/1997	1.80	3.75	2.08		27.84	27.02	0.00	0.000	0.000
6/30/1997	1.63	3.15	1.93		27.88	27.12	0.00	0.000	0.000
7/31/1997	1.47	4.13	2.82		27.93	27.25	0.00	0.000	0.000
8/31/1997	1.28	5.44	4.24		27.97	27.41	0.00	0.000	0.000
9/30/1997	0.94	4.76	5.06		28.00	27.56	0.00	0.000	0.000
10/31/1997	1.20	5.47	4.55		28.04	27.73	0.00	0.000	0.000
11/30/1997	1.22	5.66	4.64		28.07	27.90	0.00	0.000	0.000
12/31/1997	1.23	5.49	4.48		28.11	28.07	0.00	0.000	0.000
1/31/1998	1.19	5.54	4.66		28.15	28.24	0.00	0.000	0.000
2/28/1998	0.70	2.65	3.77		28.17	28.31	0.00	0.000	0.000
3/31/1998	1.17	5.65	4.84		28.20	28.49	0.00	0.000	0.000
4/30/1998	1.05	5.78	5.52		28.23	28.66	0.00	0.000	0.000
5/31/1998	0.71	2.43	3.44		28.26	28.74	0.00	0.000	0.000
6/30/1998	0.86	4.12	4.79		28.28	28.86	0.00	0.000	0.000
7/31/1998	0.58	3.77	6.53		28.30	28.98	0.00	0.000	0.000
8/31/1998	0.43	2.60	6.11		28.31	29.06	0.00	0.000	0.000
9/30/1998	0.65	4.53	6.93		28.33	29.19	0.00	0.000	0.000
10/31/1998	0.70	3.78	5.37		28.35	29.31	0.00	0.000	0.000
11/30/1998	0.73	3.83	5.22		28.38	29.43	0.00	0.000	0.000
12/31/1998	0.62	3.89	6.29		28.40	29.55	0.00	0.000	0.000
1/31/1999	0.59	4.19	7.10		28.41	29.68	0.00	0.000	0.000
2/28/1999	0.94	4.28	4.53		28.44	29.80	0.00	0.000	0.000
3/31/1999	1.00	4.83	4.83		28.47	29.95	0.00	0.000	0.000
4/30/1999	0.93	4.58	4.90		28.50	30.08	0.00	0.000	0.000
5/31/1999	1.15	3.56	3.09		28.53	30.19	0.00	0.000	0.000
6/30/1999	0.62	1.44	2.32		28.55	30.24	0.00	0.000	0.000
7/31/1999	0.69	3.25	4.70		28.57	30.34	0.00	0.000	0.000
8/31/1999	0.88	4.14	4.70		28.60	30.47	0.00	0.000	0.000
9/30/1999	1.15	3.92	3.41		28.64	30.58	0.00	0.000	0.000
10/31/1999	1.14	3.74	3.28		28.67	30.70	0.00	0.000	0.000
11/30/1999	1.13	3.87	3.41		28.71	30.82	0.00	0.000	0.000
12/31/1999	1.16	4.35	3.75		28.74	30.95	0.00	0.000	0.000
1/31/2000	1.20	4.79	3.98		28.78	31.10	0.00	0.000	0.000
2/29/2000	1.20	5.04	4.19		28.81	31.24	0.00	0.000	0.000
3/31/2000	1.19	4.97	4.16		28.85	31.40	0.00	0.000	0.000
4/30/2000	1.13	4.01	3.56		28.88	31.52	0.00	0.000	0.000
5/31/2000	0.67	3.26	4.83		28.91	31.62	0.00	0.000	0.000
6/30/2000	1.42	4.63	3.27		28.95	31.76	0.00	0.000	0.000
7/31/2000	1.58	4.73	2.99		29.00	31.91	0.00	0.000	0.000
8/31/2000	1.50	4.45	2.97		29.04	32.04	0.00	0.000	0.000
9/30/2000	1.46	4.19	2.88		29.09	32.17	0.00	0.000	0.000
10/31/2000	1.27	4.06	3.20		29.13	32.29	0.00	0.000	0.000
11/30/2000	1.30	3.71	2.85		29.17	32.41	0.00	0.000	0.000
12/31/2000	1.32	3.72	2.82		29.21	32.52	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
1/31/2001	1.36	4.05	2.97		29.25	32.65	0.00	0.000	0.000
2/28/2001	1.31	3.76	2.88		29.29	32.75	0.00	0.000	0.000
3/31/2001	1.36	4.17	3.06		29.33	32.88	0.00	0.000	0.000
4/30/2001	1.07	4.28	3.98		29.36	33.01	0.00	0.000	0.000
5/31/2001	0.97	4.31	4.45		29.39	33.14	0.00	0.000	0.000
6/30/2001	0.94	4.25	4.52		29.42	33.27	0.00	0.000	0.000
7/31/2001	0.93	4.29	4.63		29.45	33.40	0.00	0.000	0.000
8/31/2001	0.99	4.33	4.39		29.48	33.54	0.00	0.000	0.000
9/30/2001	0.99	4.12	4.16		29.51	33.66	0.00	0.000	0.000
10/31/2001	1.00	3.77	3.78		29.54	33.78	0.00	0.000	0.000
11/30/2001	1.04	3.75	3.60		29.57	33.89	0.00	0.000	0.000
12/31/2001	1.02	3.73	3.67		29.60	34.01	0.00	0.000	0.000
1/31/2002	1.01	3.86	3.83		29.63	34.13	0.00	0.000	0.000
2/28/2002	0.95	4.01	4.21		29.66	34.24	0.00	0.000	0.000
3/31/2002	0.96	4.06	4.24		29.69	34.36	0.00	0.000	0.000
4/30/2002	0.99	4.18	4.23		29.72	34.49	0.00	0.000	0.000
5/31/2002	0.99	4.08	4.11		29.75	34.62	0.00	0.000	0.000
6/30/2002	0.90	3.27	3.64		29.78	34.71	0.00	0.000	0.000
7/31/2002	0.80	3.89	4.86		29.80	34.83	0.00	0.000	0.000
8/31/2002	0.78	4.05	5.19		29.82	34.96	0.00	0.000	0.000
9/30/2002	0.80	4.09	5.09		29.85	35.08	0.00	0.000	0.000
10/31/2002	0.83	4.20	5.08		29.87	35.21	0.00	0.000	0.000
11/30/2002	0.72	2.89	4.00		29.90	35.30	0.00	0.000	0.000
12/31/2002	0.75	2.83	3.75		29.92	35.39	0.00	0.000	0.000
1/31/2003	0.72	2.84	3.93		29.94	35.48	0.00	0.000	0.000
2/28/2003	0.76	2.94	3.87		29.96	35.56	0.00	0.000	0.000
3/31/2003	0.76	2.85	3.76		29.99	35.65	0.00	0.000	0.000
4/30/2003	0.84	3.86	4.57		30.01	35.76	0.00	0.000	0.000
5/31/2003	0.87	4.27	4.88		30.04	35.89	0.00	0.000	0.000
6/30/2003	0.90	4.98	5.55		30.07	36.04	0.00	0.000	0.000
7/31/2003	1.29	6.25	4.84		30.11	36.24	0.00	0.000	0.000
8/31/2003	1.26	6.00	4.74		30.15	36.42	0.00	0.000	0.000
9/30/2003	0.99	4.63	4.68		30.18	36.56	0.00	0.000	0.000
10/31/2003	0.97	4.53	4.68		30.20	36.70	0.00	0.000	0.000
11/30/2003	0.96	4.47	4.66		30.23	36.84	0.00	0.000	0.000
12/31/2003	0.96	4.23	4.42		30.26	36.97	0.00	0.000	0.000
1/31/2004	0.94	4.43	4.73		30.29	37.11	0.00	0.000	0.000
2/29/2004	0.90	3.77	4.21		30.32	37.22	0.00	0.000	0.000
3/31/2004	0.86	3.00	3.50		30.35	37.31	0.00	0.000	0.000
4/30/2004	0.87	3.03	3.48		30.37	37.40	0.00	0.000	0.000
5/31/2004	0.89	4.25	4.76		30.40	37.53	0.00	0.000	0.000
6/30/2004	0.87	4.38	5.03		30.43	37.66	0.00	0.000	0.000
7/31/2004	0.87	4.35	5.01		30.45	37.80	0.00	0.000	0.000
8/31/2004	0.86	4.45	5.17		30.48	37.93	0.00	0.000	0.000
9/30/2004	0.82	4.25	5.16		30.50	38.06	0.00	0.000	0.000
10/31/2004	0.85	4.23	4.97		30.53	38.19	0.00	0.000	0.000
11/30/2004	0.84	4.33	5.15		30.55	38.32	0.00	0.000	0.000
12/31/2004	0.85	4.52	5.35		30.58	38.46	0.00	0.000	0.000
1/31/2005	0.84	4.58	5.47		30.61	38.61	0.00	0.000	0.000
2/28/2005	0.84	4.64	5.51		30.63	38.74	0.00	0.000	0.000
3/31/2005	0.85	4.79	5.63		30.66	38.88	0.00	0.000	0.000
4/30/2005	0.68	2.54	3.74		30.68	38.96	0.00	0.000	0.000
5/31/2005	0.86	4.41	5.10		30.70	39.10	0.00	0.000	0.000
6/30/2005	0.82	4.83	5.92		30.73	39.24	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
7/31/2005	0.77	4.52	5.84		30.75	39.38	0.00	0.000	0.000
8/31/2005	0.83	4.95	5.97		30.78	39.54	0.00	0.000	0.000
9/30/2005	0.81	4.84	5.98		30.80	39.68	0.00	0.000	0.000
10/31/2005	0.77	4.58	5.92		30.83	39.82	0.00	0.000	0.000
11/30/2005	0.86	5.11	5.92		30.85	39.98	0.00	0.000	0.000
12/31/2005	0.85	5.16	6.04		30.88	40.14	0.00	0.000	0.000
1/31/2006	0.85	4.83	5.65		30.91	40.29	0.00	0.000	0.000
2/28/2006	0.84	4.79	5.68		30.93	40.42	0.00	0.000	0.000
3/31/2006	0.86	5.15	5.96		30.96	40.58	0.00	0.000	0.000
4/30/2006	0.85	5.05	5.94		30.98	40.73	0.00	0.000	0.000
5/31/2006	0.83	5.16	6.23		31.01	40.89	0.00	0.000	0.000
6/30/2006	0.79	5.01	6.31		31.03	41.04	0.00	0.000	0.000
7/31/2006	0.85	5.25	6.16		31.06	41.20	0.00	0.000	0.000
8/31/2006	0.84	5.28	6.27		31.08	41.37	0.00	0.000	0.000
9/30/2006	0.81	5.00	6.17		31.11	41.52	0.00	0.000	0.000
10/31/2006	0.46	3.93	8.58		31.12	41.64	0.00	0.000	0.000
11/30/2006	0.61	4.63	7.60		31.14	41.78	0.00	0.000	0.000
12/31/2006	0.62	4.24	6.88		31.16	41.91	0.00	0.000	0.000
1/31/2007	0.61	4.47	7.29		31.18	42.05	0.00	0.000	0.000
2/28/2007	0.61	4.36	7.10		31.20	42.17	0.00	0.000	0.000
3/31/2007	0.60	4.49	7.44		31.21	42.31	0.00	0.000	0.000
4/30/2007	0.61	4.58	7.51		31.23	42.45	0.00	0.000	0.000
5/31/2007	0.60	4.61	7.69		31.25	42.59	0.00	0.000	0.000
6/30/2007	0.60	4.59	7.65		31.27	42.73	0.00	0.000	0.000
7/31/2007	0.58	4.58	7.85		31.29	42.87	0.00	0.000	0.000
8/31/2007	3.07	28.89	9.42		31.38	43.77	0.00	0.000	0.000
9/30/2007	4.88	40.85	8.37		31.53	44.99	0.00	0.000	0.000
10/31/2007	4.72	36.73	7.78		31.68	46.13	0.00	0.000	0.000
11/30/2007	4.79	23.56	4.92		31.82	46.84	0.00	0.000	0.000
12/31/2007	6.11	29.41	4.82		32.01	47.75	0.00	0.000	0.000
1/31/2008	13.67	31.40	2.30		32.43	48.72	0.00	0.000	0.000
2/29/2008	13.23	34.45	2.60		32.82	49.72	0.00	0.000	0.000
3/31/2008	12.81	35.88	2.80		33.21	50.83	0.00	0.000	0.000
4/30/2008	12.70	31.04	2.45		33.59	51.76	0.00	0.000	0.000
5/31/2008	11.24	27.43	2.44		33.94	52.61	0.00	0.000	0.000
6/30/2008	10.98	28.05	2.55		34.27	53.46	0.00	0.000	0.000
7/31/2008	9.58	27.86	2.91		34.57	54.32	0.00	0.000	0.000
8/31/2008	8.52	28.96	3.40		34.83	55.22	0.00	0.000	0.000
9/30/2008	6.96	20.96	3.01		35.04	55.85	0.00	0.000	0.000
10/31/2008	8.10	26.17	3.23		35.29	56.66	0.00	0.000	0.000
11/30/2008	8.04	28.49	3.54		35.53	57.51	0.00	0.000	0.000
12/31/2008	7.57	29.48	3.90		35.77	58.43	0.00	0.000	0.000
1/31/2009	7.47	28.44	3.81		36.00	59.31	0.00	0.000	0.000
2/28/2009	7.36	28.97	3.94		36.21	60.12	0.00	0.000	0.000
3/31/2009	6.77	24.77	3.66		36.42	60.89	0.00	0.000	0.000
4/30/2009	6.59	25.40	3.85		36.61	61.65	0.00	0.000	0.000
5/31/2009	6.47	25.83	3.99		36.81	62.45	0.00	0.000	0.000
6/30/2009	6.20	24.86	4.01		37.00	63.20	0.00	0.000	0.000
7/31/2009	5.99	24.22	4.04		37.19	63.95	0.00	0.000	0.000
8/31/2009	5.31	22.41	4.22		37.35	64.64	0.00	0.000	0.000
9/30/2009	5.71	25.71	4.50		37.52	65.41	0.00	0.000	0.000
10/31/2009	5.55	23.88	4.30		37.69	66.15	0.00	0.000	0.000
11/30/2009	5.49	22.89	4.17		37.86	66.84	0.00	0.000	0.000
12/31/2009	5.18	22.49	4.34		38.02	67.54	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	VRR	Cum VRR
1/31/2010	5.08	22.33	4.39		38.18	68.23	0.00	0.000	0.000
2/28/2010	4.93	22.45	4.56		38.31	68.86	0.00	0.000	0.000
3/31/2010	5.00	23.18	4.64		38.47	69.58	0.00	0.000	0.000
4/30/2010	5.07	23.39	4.61		38.62	70.28	0.00	0.000	0.000
5/31/2010	5.08	23.27	4.58		38.78	71.00	0.00	0.000	0.000
6/30/2010	4.89	22.65	4.63		38.93	71.68	0.00	0.000	0.000
7/31/2010	4.71	22.04	4.67		39.07	72.36	0.00	0.000	0.000
8/31/2010	4.55	21.00	4.62		39.21	73.01	0.00	0.000	0.000
9/30/2010	4.42	21.62	4.89		39.35	73.66	0.00	0.000	0.000
10/31/2010	4.13	18.17	4.40		39.47	74.22	0.00	0.000	0.000
11/30/2010	3.99	18.18	4.56		39.59	74.77	0.00	0.000	0.000
12/31/2010	3.88	16.49	4.25		39.71	75.28	0.00	0.000	0.000
1/31/2011	3.75	15.79	4.21		39.83	75.77	0.00	0.000	0.000
2/28/2011	3.65	15.76	4.32		39.93	76.21	0.00	0.000	0.000
3/31/2011	3.46	14.96	4.33		40.04	76.68	0.00	0.000	0.000
4/30/2011	3.22	12.71	3.94		40.14	77.06	0.00	0.000	0.000
5/31/2011	3.28	16.96	5.18		40.24	77.58	0.00	0.000	0.000
6/30/2011	2.28	13.34	5.86		40.31	77.98	0.00	0.000	0.000
7/31/2011	3.77	19.14	5.08		40.42	78.58	0.00	0.000	0.000
8/31/2011	3.66	18.52	5.06		40.54	79.15	0.00	0.000	0.000
9/30/2011	3.40	17.80	5.23		40.64	79.68	0.00	0.000	0.000
10/31/2011	3.24	12.54	3.87		40.74	80.07	0.00	0.000	0.000
11/30/2011	3.81	7.17	1.88		40.85	80.29	0.00	0.000	0.000
12/31/2011	3.98	10.03	2.52		40.98	80.60	0.00	0.000	0.000
1/31/2012	5.16	17.64	3.42		41.14	81.15	0.00	0.000	0.000
2/29/2012	4.26	21.76	5.10		41.26	81.78	0.00	0.000	0.000
3/31/2012	4.16	20.89	5.02		41.39	82.42	0.00	0.000	0.000
4/30/2012	4.96	20.07	4.05		41.54	83.03	0.00	0.000	0.000
5/31/2012	4.42	23.50	5.32		41.67	83.76	0.00	0.000	0.000
6/30/2012	4.02	23.88	5.94		41.79	84.47	0.00	0.000	0.000
7/31/2012	3.47	23.97	6.90		41.90	85.22	0.00	0.000	0.000
8/31/2012	2.96	21.95	7.42		41.99	85.90	0.00	0.000	0.000
9/30/2012	2.95	22.51	7.63		42.08	86.57	0.00	0.000	0.000
10/31/2012	2.71	21.60	7.96		42.17	87.24	0.00	0.000	0.000
11/30/2012	2.80	21.85	7.80		42.25	87.90	0.00	0.000	0.000
12/31/2012	2.70	21.57	7.98		42.33	88.56	0.00	0.000	0.000
1/31/2013	2.52	21.44	8.51		42.41	89.23	0.00	0.000	0.000
2/28/2013	1.88	17.45	9.28		42.47	89.72	0.00	0.000	0.000
3/31/2013	1.70	14.80	8.68		42.52	90.18	0.00	0.000	0.000
4/30/2013	2.11	19.67	9.34		42.58	90.77	0.00	0.000	0.000
5/31/2013	1.88	22.12	11.74		42.64	91.45	0.00	0.000	0.000
6/30/2013	1.87	19.31	10.32		42.70	92.03	0.00	0.000	0.000
7/31/2013	1.76	21.21	12.05		42.75	92.69	0.00	0.000	0.000
8/31/2013	1.52	18.28	12.02		42.80	93.26	0.00	0.000	0.000
9/30/2013	1.06	14.35	13.53		42.83	93.69	0.00	0.000	0.000
10/31/2013	1.25	15.55	12.45		42.87	94.17	0.00	0.000	0.000
11/30/2013	1.73	19.26	11.15		42.92	94.75	0.00	0.000	0.000
12/31/2013	1.39	16.14	11.64		42.96	95.25	0.00	0.000	0.000
1/31/2014	0.87	11.55	13.31		42.99	95.60	0.00	0.000	0.000
2/28/2014	0.88	14.32	16.20	2.18	43.01	96.01	0.06	0.141	0.000
3/31/2014	1.26	16.55	13.13	13.77	43.05	96.52	0.49	0.760	0.003
4/30/2014	1.25	16.86	13.54	19.40	43.09	97.02	1.07	1.054	0.007
5/31/2014	1.24	17.21	13.86	19.42	43.13	97.56	1.67	1.035	0.011
6/30/2014	1.29	18.00	13.99	19.03	43.17	98.10	2.24	0.971	0.015

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
7/31/2014	0.84	10.87	12.99	14.06	43.19	98.44	2.68	1.181	0.018
8/31/2014	1.57	20.37	12.95	23.61	43.24	99.07	3.41	1.058	0.022
9/30/2014	1.48	18.36	12.40	25.93	43.29	99.62	4.19	1.284	0.027
10/31/2014	1.48	17.03	11.50	41.65	43.33	100.15	5.48	2.208	0.036
11/30/2014	1.71	19.43	11.35	43.47	43.38	100.73	6.78	2.017	0.044
12/31/2014	4.12	25.99	6.30	38.29	43.51	101.53	7.97	1.231	0.051
1/31/2015	1.93	20.41	10.57	38.87	43.57	102.17	9.18	1.705	0.059
2/28/2015	2.56	23.45	9.16	48.04	43.64	102.82	10.52	1.804	0.067
3/31/2015	2.73	24.57	8.99	46.97	43.73	103.58	11.98	1.680	0.076
4/30/2015	2.45	20.80	8.48	44.60	43.80	104.21	13.32	1.871	0.084
5/31/2015	2.48	21.54	8.68	43.90	43.88	104.88	14.68	1.784	0.092
6/30/2015	2.36	23.64	10.02	44.23	43.95	105.58	16.00	1.665	0.100
7/31/2015	2.46	25.88	10.53	44.48	44.03	106.39	17.38	1.538	0.108
8/31/2015	2.49	26.79	10.75	45.13	44.10	107.22	18.78	1.510	0.116
9/30/2015	2.59	28.05	10.82	45.87	44.18	108.06	20.16	1.467	0.124
10/31/2015	2.87	31.64	11.01	46.19	44.27	109.04	21.59	1.312	0.132
11/30/2015	2.77	34.33	12.41	46.77	44.35	110.07	22.99	1.239	0.139
12/31/2015	4.27	42.46	9.95	48.03	44.49	111.39	24.48	1.006	0.147
1/31/2016	4.78	43.96	9.20	48.61	44.63	112.75	25.99	0.974	0.155
2/29/2016	3.70	42.17	11.39	49.28	44.74	113.97	27.42	1.054	0.162
3/31/2016	2.78	35.81	12.89	49.74	44.83	115.08	28.96	1.267	0.170
4/30/2016	3.94	45.09	11.46	47.87	44.95	116.43	30.40	0.958	0.177
5/31/2016	3.74	38.39	10.27	49.94	45.06	117.62	31.94	1.161	0.184
6/30/2016	3.64	37.83	10.39	48.53	45.17	118.76	33.40	1.146	0.191
7/31/2016	3.40	39.34	11.58	50.06	45.28	119.98	34.95	1.150	0.198
8/31/2016	3.12	38.65	12.39	49.97	45.37	121.18	36.50	1.175	0.206
9/30/2016	3.08	38.81	12.59	49.63	45.46	122.34	37.99	1.164	0.213
10/31/2016	3.06	39.30	12.85	47.90	45.56	123.56	39.47	1.112	0.219
11/30/2016	2.84	36.84	12.99	49.83	45.64	124.66	40.97	1.235	0.226
12/31/2016	2.78	36.92	13.28	52.81	45.73	125.81	42.61	1.308	0.233

Oil Formation Vol Factor : 1.2400 Pattern: 03/01-21-03-28Inj Set: NPU#1

Water Formation Vol Factor : 1.00000 m3/m3

August 01, 2017

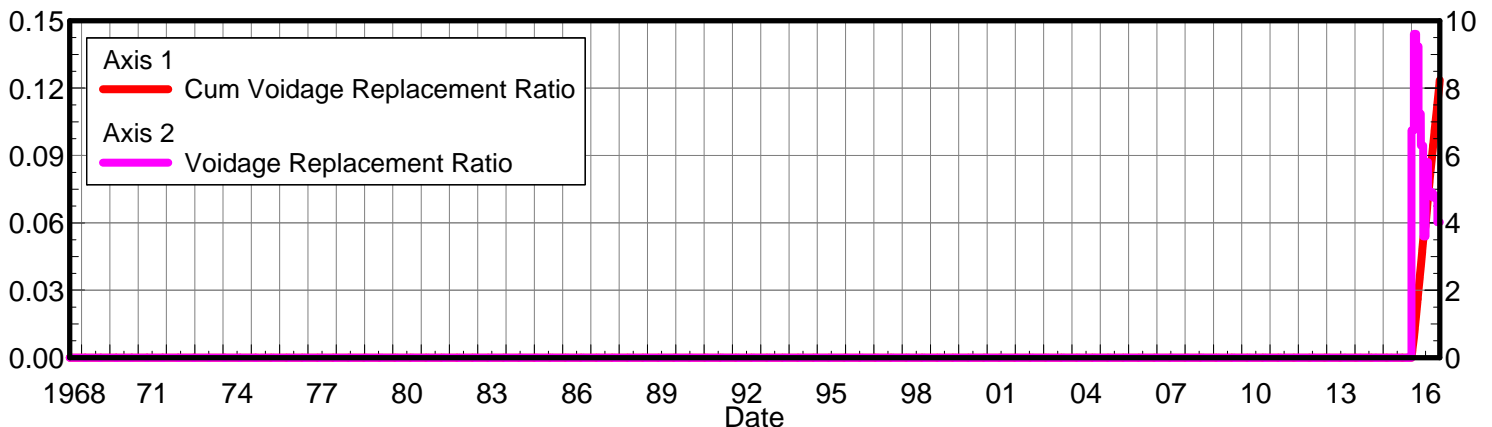
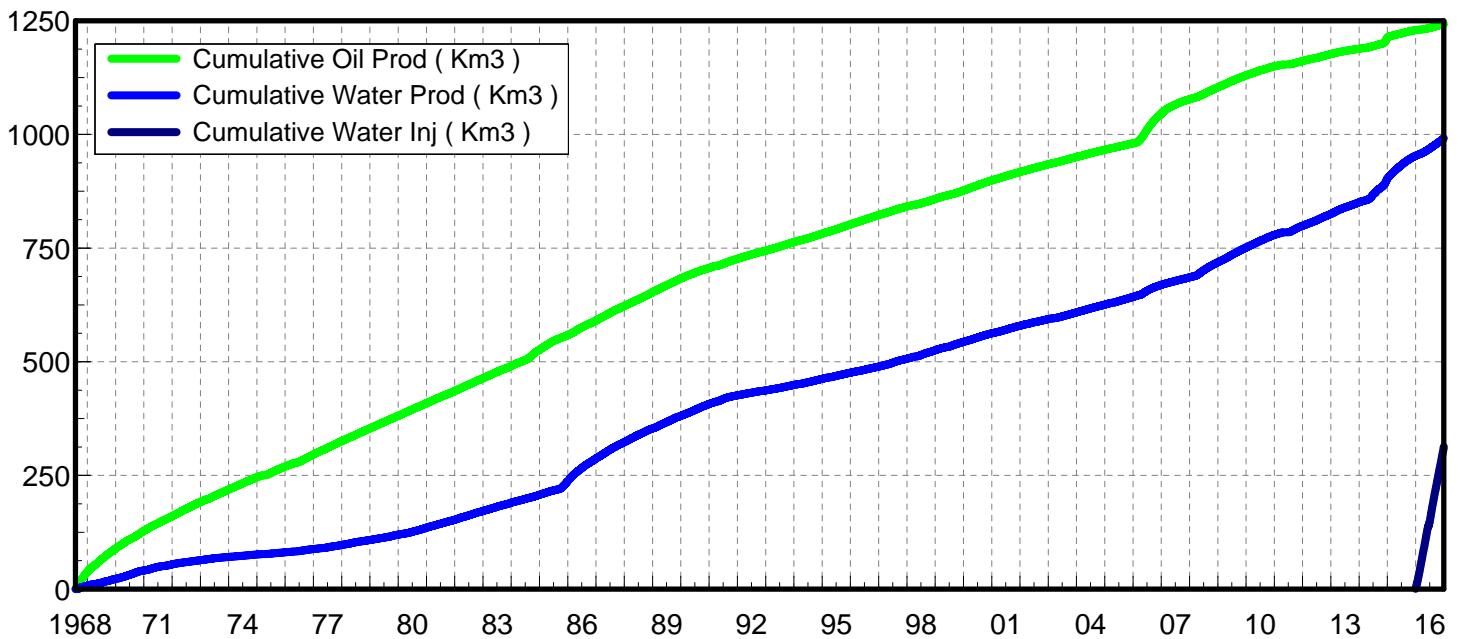
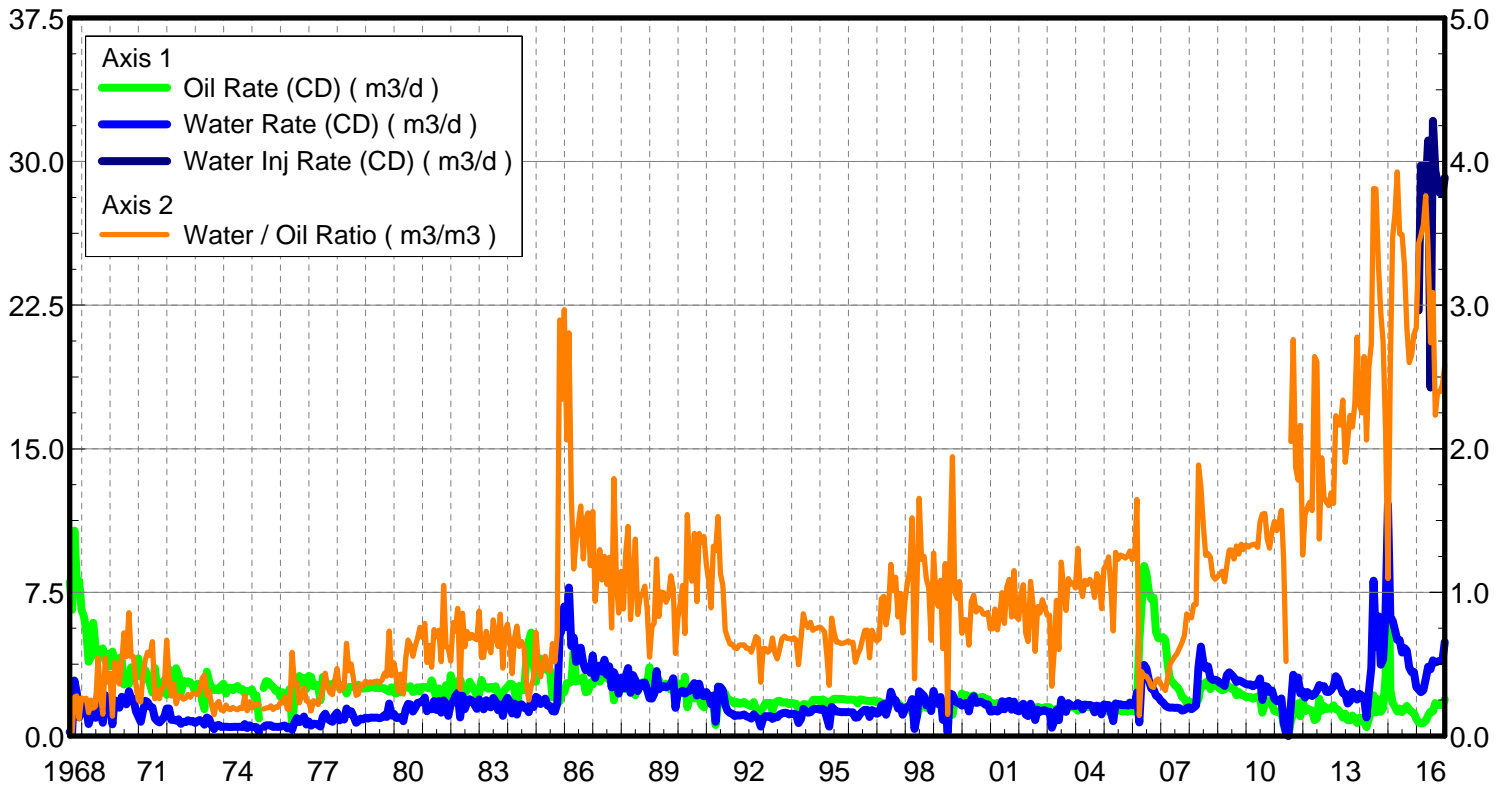
Water / Oil Ratio : 4.59 m3/m3

Operator: TUNDRA_OIL_ & GAS_LIMITED

Oil Rate (CD) : 1.91 m3/d

Water Rate (CD) : 8.78 m3/d

Water Inj Rate (CD) : 28.46 m3/d



Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
1/31/1965					0.00	0.00	0.00		
2/28/1965					0.00	0.00	0.00		
3/31/1965					0.00	0.00	0.00		
4/30/1965					0.00	0.00	0.00		
5/31/1965					0.00	0.00	0.00		
6/30/1965					0.00	0.00	0.00		
7/31/1965					0.00	0.00	0.00		
8/31/1965					0.00	0.00	0.00		
9/30/1965					0.00	0.00	0.00		
10/31/1965					0.00	0.00	0.00		
11/30/1965					0.00	0.00	0.00		
12/31/1965					0.00	0.00	0.00		
1/31/1966					0.00	0.00	0.00		
2/28/1966					0.00	0.00	0.00		
3/31/1966					0.00	0.00	0.00		
4/30/1966					0.00	0.00	0.00		
5/31/1966					0.00	0.00	0.00		
6/30/1966					0.00	0.00	0.00		
7/31/1966					0.00	0.00	0.00		
8/31/1966					0.00	0.00	0.00		
9/30/1966					0.00	0.00	0.00		
10/31/1966					0.00	0.00	0.00		
11/30/1966					0.00	0.00	0.00		
12/31/1966					0.00	0.00	0.00		
1/31/1967					0.00	0.00	0.00		
2/28/1967					0.00	0.00	0.00		
3/31/1967					0.00	0.00	0.00		
4/30/1967					0.00	0.00	0.00		
5/31/1967					0.00	0.00	0.00		
6/30/1967					0.00	0.00	0.00		
7/31/1967					0.00	0.00	0.00		
8/31/1967					0.00	0.00	0.00		
9/30/1967					0.00	0.00	0.00		
10/31/1967					0.00	0.00	0.00		
11/30/1967					0.00	0.00	0.00		
12/31/1967					0.00	0.00	0.00		
1/31/1968					0.00	0.00	0.00		
2/29/1968					0.00	0.00	0.00		
3/31/1968					0.00	0.00	0.00		
4/30/1968					0.00	0.00	0.00		
5/31/1968					0.00	0.00	0.00		
6/30/1968					0.00	0.00	0.00		
7/31/1968	8.03	0.20	0.03		0.25	0.01	0.00	0.000	0.000
8/31/1968	6.59	0.16	0.02		0.45	0.01	0.00	0.000	0.000
9/30/1968	10.72	2.89	0.27		0.78	0.10	0.00	0.000	0.000
10/31/1968	8.16	2.28	0.28		1.03	0.17	0.00	0.000	0.000
11/30/1968	8.10	0.97	0.12		1.27	0.20	0.00	0.000	0.000
12/31/1968	6.58	1.74	0.26		1.48	0.25	0.00	0.000	0.000
1/31/1969	6.23	1.58	0.25		1.67	0.30	0.00	0.000	0.000
2/28/1969	5.51	1.45	0.26		1.82	0.34	0.00	0.000	0.000
3/31/1969	3.87	0.63	0.16		1.94	0.36	0.00	0.000	0.000
4/30/1969	4.14	1.03	0.25		2.07	0.39	0.00	0.000	0.000
5/31/1969	5.91	1.15	0.19		2.25	0.43	0.00	0.000	0.000
6/30/1969	4.55	0.95	0.21		2.39	0.46	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
7/31/1969	4.14	2.26	0.55		2.51	0.53	0.00	0.000	0.000
8/31/1969	4.48	1.29	0.29		2.65	0.57	0.00	0.000	0.000
9/30/1969	4.58	0.69	0.15		2.79	0.59	0.00	0.000	0.000
10/31/1969	3.94	2.13	0.54		2.91	0.65	0.00	0.000	0.000
11/30/1969	4.29	1.61	0.37		3.04	0.70	0.00	0.000	0.000
12/31/1969	3.63	1.58	0.44		3.15	0.75	0.00	0.000	0.000
1/31/1970	4.41	0.61	0.14		3.29	0.77	0.00	0.000	0.000
2/28/1970	3.64	1.87	0.51		3.39	0.82	0.00	0.000	0.000
3/31/1970	3.33	1.66	0.50		3.50	0.87	0.00	0.000	0.000
4/30/1970	4.07	1.47	0.36		3.62	0.92	0.00	0.000	0.000
5/31/1970	3.98	2.05	0.51		3.74	0.98	0.00	0.000	0.000
6/30/1970	2.69	1.93	0.72		3.82	1.04	0.00	0.000	0.000
7/31/1970	2.99	1.65	0.55		3.91	1.09	0.00	0.000	0.000
8/31/1970	2.72	2.33	0.86		4.00	1.16	0.00	0.000	0.000
9/30/1970	3.58	1.98	0.55		4.11	1.22	0.00	0.000	0.000
10/31/1970	3.46	1.91	0.55		4.21	1.28	0.00	0.000	0.000
11/30/1970	3.67	1.29	0.35		4.32	1.32	0.00	0.000	0.000
12/31/1970	4.05	1.01	0.25		4.45	1.35	0.00	0.000	0.000
1/31/1971	3.12	0.74	0.24		4.55	1.37	0.00	0.000	0.000
2/28/1971	3.02	1.28	0.42		4.63	1.41	0.00	0.000	0.000
3/31/1971	3.44	1.84	0.53		4.74	1.47	0.00	0.000	0.000
4/30/1971	3.04	1.77	0.58		4.83	1.52	0.00	0.000	0.000
5/31/1971	2.71	1.52	0.56		4.91	1.57	0.00	0.000	0.000
6/30/1971	2.27	1.49	0.66		4.98	1.61	0.00	0.000	0.000
7/31/1971	3.55	0.92	0.26		5.09	1.64	0.00	0.000	0.000
8/31/1971	2.46	0.78	0.32		5.17	1.66	0.00	0.000	0.000
9/30/1971	2.74	0.71	0.26		5.25	1.68	0.00	0.000	0.000
10/31/1971	2.58	0.86	0.33		5.33	1.71	0.00	0.000	0.000
11/30/1971	2.92	1.00	0.34		5.42	1.74	0.00	0.000	0.000
12/31/1971	2.15	1.44	0.67		5.48	1.79	0.00	0.000	0.000
1/31/1972	3.48	1.44	0.41		5.59	1.83	0.00	0.000	0.000
2/29/1972	3.04	0.84	0.28		5.68	1.85	0.00	0.000	0.000
3/31/1972	2.38	0.86	0.36		5.75	1.88	0.00	0.000	0.000
4/30/1972	3.54	0.80	0.22		5.86	1.91	0.00	0.000	0.000
5/31/1972	3.19	0.88	0.28		5.96	1.93	0.00	0.000	0.000
6/30/1972	2.25	0.63	0.28		6.03	1.95	0.00	0.000	0.000
7/31/1972	2.89	0.74	0.26		6.11	1.97	0.00	0.000	0.000
8/31/1972	2.75	0.73	0.26		6.20	2.00	0.00	0.000	0.000
9/30/1972	2.86	0.83	0.29		6.29	2.02	0.00	0.000	0.000
10/31/1972	2.80	0.75	0.27		6.37	2.04	0.00	0.000	0.000
11/30/1972	2.63	0.78	0.30		6.45	2.07	0.00	0.000	0.000
12/31/1972	2.30	0.68	0.30		6.52	2.09	0.00	0.000	0.000
1/31/1973	2.73	0.78	0.29		6.61	2.11	0.00	0.000	0.000
2/28/1973	2.64	0.83	0.31		6.68	2.14	0.00	0.000	0.000
3/31/1973	1.84	0.74	0.40		6.74	2.16	0.00	0.000	0.000
4/30/1973	1.40	0.59	0.42		6.78	2.18	0.00	0.000	0.000
5/31/1973	3.35	0.96	0.29		6.88	2.21	0.00	0.000	0.000
6/30/1973	2.81	0.88	0.31		6.97	2.23	0.00	0.000	0.000
7/31/1973	2.52	0.54	0.21		7.05	2.25	0.00	0.000	0.000
8/31/1973	2.39	0.35	0.15		7.12	2.26	0.00	0.000	0.000
9/30/1973	2.48	0.55	0.22		7.19	2.28	0.00	0.000	0.000
10/31/1973	2.37	0.57	0.24		7.27	2.30	0.00	0.000	0.000
11/30/1973	2.62	0.48	0.18		7.35	2.31	0.00	0.000	0.000
12/31/1973	2.73	0.48	0.17		7.43	2.33	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
1/31/1974	2.21	0.48	0.22		7.50	2.34	0.00	0.000	0.000
2/28/1974	2.51	0.47	0.19		7.57	2.35	0.00	0.000	0.000
3/31/1974	2.52	0.46	0.18		7.65	2.37	0.00	0.000	0.000
4/30/1974	2.40	0.48	0.20		7.72	2.38	0.00	0.000	0.000
5/31/1974	2.54	0.48	0.19		7.80	2.40	0.00	0.000	0.000
6/30/1974	2.61	0.48	0.18		7.88	2.41	0.00	0.000	0.000
7/31/1974	2.41	0.48	0.20		7.95	2.43	0.00	0.000	0.000
8/31/1974	2.44	0.47	0.19		8.03	2.44	0.00	0.000	0.000
9/30/1974	2.23	0.63	0.28		8.09	2.46	0.00	0.000	0.000
10/31/1974	2.35	0.41	0.18		8.17	2.47	0.00	0.000	0.000
11/30/1974	2.34	0.56	0.24		8.24	2.49	0.00	0.000	0.000
12/31/1974	2.43	0.47	0.19		8.31	2.50	0.00	0.000	0.000
1/31/1975	2.04	0.46	0.23		8.38	2.52	0.00	0.000	0.000
2/28/1975	2.11	0.46	0.22		8.44	2.53	0.00	0.000	0.000
3/31/1975	0.92	0.20	0.22		8.46	2.54	0.00	0.000	0.000
4/30/1975					8.46	2.54	0.00		0.000
5/31/1975	2.51	0.47	0.19		8.54	2.55	0.00	0.000	0.000
6/30/1975	2.86	0.56	0.19		8.63	2.57	0.00	0.000	0.000
7/31/1975	2.83	0.55	0.20		8.72	2.58	0.00	0.000	0.000
8/31/1975	2.64	0.55	0.21		8.80	2.60	0.00	0.000	0.000
9/30/1975	2.58	0.48	0.18		8.87	2.62	0.00	0.000	0.000
10/31/1975	2.35	0.48	0.20		8.95	2.63	0.00	0.000	0.000
11/30/1975	2.39	0.48	0.20		9.02	2.65	0.00	0.000	0.000
12/31/1975	2.05	0.48	0.23		9.08	2.66	0.00	0.000	0.000
1/31/1976	2.29	0.53	0.23		9.15	2.68	0.00	0.000	0.000
2/29/1976	2.02	0.55	0.27		9.21	2.69	0.00	0.000	0.000
3/31/1976	2.15	0.40	0.19		9.28	2.71	0.00	0.000	0.000
4/30/1976	2.45	0.47	0.19		9.35	2.72	0.00	0.000	0.000
5/31/1976	0.55	0.32	0.58		9.37	2.73	0.00	0.000	0.000
6/30/1976	1.97	0.70	0.36		9.43	2.75	0.00	0.000	0.000
7/31/1976	2.55	0.94	0.37		9.51	2.78	0.00	0.000	0.000
8/31/1976	3.13	0.72	0.23		9.60	2.80	0.00	0.000	0.000
9/30/1976	2.78	0.78	0.28		9.69	2.82	0.00	0.000	0.000
10/31/1976	3.03	1.02	0.34		9.78	2.86	0.00	0.000	0.000
11/30/1976	2.45	0.60	0.24		9.86	2.87	0.00	0.000	0.000
12/31/1976	3.14	0.75	0.24		9.95	2.90	0.00	0.000	0.000
1/31/1977	3.09	0.54	0.17		10.05	2.91	0.00	0.000	0.000
2/28/1977	2.60	0.64	0.25		10.12	2.93	0.00	0.000	0.000
3/31/1977	2.69	0.64	0.24		10.20	2.95	0.00	0.000	0.000
4/30/1977	2.61	0.57	0.22		10.28	2.97	0.00	0.000	0.000
5/31/1977	1.86	0.49	0.26		10.34	2.98	0.00	0.000	0.000
6/30/1977	3.08	1.01	0.33		10.43	3.01	0.00	0.000	0.000
7/31/1977	2.66	1.16	0.44		10.52	3.05	0.00	0.000	0.000
8/31/1977	2.66	0.91	0.34		10.60	3.08	0.00	0.000	0.000
9/30/1977	2.70	0.81	0.30		10.68	3.10	0.00	0.000	0.000
10/31/1977	2.56	0.74	0.29		10.76	3.13	0.00	0.000	0.000
11/30/1977	2.80	1.07	0.38		10.84	3.16	0.00	0.000	0.000
12/31/1977	2.59	1.22	0.47		10.92	3.20	0.00	0.000	0.000
1/31/1978	2.60	0.82	0.31		11.00	3.22	0.00	0.000	0.000
2/28/1978	2.51	0.91	0.36		11.07	3.25	0.00	0.000	0.000
3/31/1978	2.58	0.86	0.33		11.15	3.27	0.00	0.000	0.000
4/30/1978	2.22	1.43	0.65		11.22	3.32	0.00	0.000	0.000
5/31/1978	2.55	1.16	0.45		11.30	3.35	0.00	0.000	0.000
6/30/1978	2.57	1.29	0.50		11.38	3.39	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
7/31/1978	2.58	1.02	0.39		11.46	3.42	0.00	0.000	0.000
8/31/1978	2.46	0.69	0.28		11.53	3.44	0.00	0.000	0.000
9/30/1978	2.68	0.78	0.29		11.61	3.47	0.00	0.000	0.000
10/31/1978	2.52	0.90	0.36		11.69	3.50	0.00	0.000	0.000
11/30/1978	2.47	0.87	0.35		11.77	3.52	0.00	0.000	0.000
12/31/1978	2.50	0.95	0.38		11.84	3.55	0.00	0.000	0.000
1/31/1979	2.49	0.91	0.36		11.92	3.58	0.00	0.000	0.000
2/28/1979	2.53	0.95	0.38		11.99	3.61	0.00	0.000	0.000
3/31/1979	2.56	0.95	0.37		12.07	3.64	0.00	0.000	0.000
4/30/1979	2.51	0.95	0.38		12.15	3.66	0.00	0.000	0.000
5/31/1979	2.51	0.96	0.38		12.22	3.69	0.00	0.000	0.000
6/30/1979	2.49	0.92	0.37		12.30	3.72	0.00	0.000	0.000
7/31/1979	2.50	0.97	0.39		12.38	3.75	0.00	0.000	0.000
8/31/1979	2.48	1.08	0.44		12.45	3.78	0.00	0.000	0.000
9/30/1979	2.38	0.99	0.42		12.52	3.81	0.00	0.000	0.000
10/31/1979	2.32	1.70	0.73		12.60	3.87	0.00	0.000	0.000
11/30/1979	2.53	1.06	0.42		12.67	3.90	0.00	0.000	0.000
12/31/1979	2.28	1.16	0.51		12.74	3.94	0.00	0.000	0.000
1/31/1980	2.22	0.94	0.42		12.81	3.96	0.00	0.000	0.000
2/29/1980	3.12	0.96	0.31		12.90	3.99	0.00	0.000	0.000
3/31/1980	2.27	0.98	0.43		12.97	4.02	0.00	0.000	0.000
4/30/1980	2.65	0.77	0.29		13.05	4.05	0.00	0.000	0.000
5/31/1980	2.55	1.38	0.54		13.13	4.09	0.00	0.000	0.000
6/30/1980	2.51	1.68	0.67		13.21	4.14	0.00	0.000	0.000
7/31/1980	2.60	1.64	0.63		13.29	4.19	0.00	0.000	0.000
8/31/1980	2.30	1.27	0.55		13.36	4.23	0.00	0.000	0.000
9/30/1980	2.34	1.46	0.62		13.43	4.27	0.00	0.000	0.000
10/31/1980	2.54	1.73	0.68		13.51	4.33	0.00	0.000	0.000
11/30/1980	2.33	1.76	0.76		13.58	4.38	0.00	0.000	0.000
12/31/1980	2.57	1.76	0.69		13.66	4.43	0.00	0.000	0.000
1/31/1981	2.56	2.01	0.78		13.74	4.50	0.00	0.000	0.000
2/28/1981	2.52	1.29	0.51		13.81	4.53	0.00	0.000	0.000
3/31/1981	2.48	1.56	0.63		13.88	4.58	0.00	0.000	0.000
4/30/1981	2.91	1.39	0.48		13.97	4.62	0.00	0.000	0.000
5/31/1981	2.46	1.82	0.74		14.05	4.68	0.00	0.000	0.000
6/30/1981	1.96	1.36	0.69		14.11	4.72	0.00	0.000	0.000
7/31/1981	2.48	1.83	0.74		14.18	4.78	0.00	0.000	0.000
8/31/1981	2.36	1.22	0.52		14.26	4.81	0.00	0.000	0.000
9/30/1981	1.77	1.86	1.05		14.31	4.87	0.00	0.000	0.000
10/31/1981	2.65	1.65	0.62		14.39	4.92	0.00	0.000	0.000
11/30/1981	1.72	1.05	0.61		14.44	4.95	0.00	0.000	0.000
12/31/1981	3.17	1.65	0.52		14.54	5.00	0.00	0.000	0.000
1/31/1982	2.28	1.80	0.79		14.61	5.06	0.00	0.000	0.000
2/28/1982	2.85	2.08	0.73		14.69	5.12	0.00	0.000	0.000
3/31/1982	2.53	2.25	0.89		14.77	5.19	0.00	0.000	0.000
4/30/1982	2.97	0.97	0.33		14.86	5.22	0.00	0.000	0.000
5/31/1982	2.45	2.10	0.86		14.94	5.28	0.00	0.000	0.000
6/30/1982	2.25	1.40	0.62		15.00	5.32	0.00	0.000	0.000
7/31/1982	2.42	1.76	0.73		15.08	5.38	0.00	0.000	0.000
8/31/1982	2.83	1.92	0.68		15.17	5.44	0.00	0.000	0.000
9/30/1982	2.60	1.84	0.71		15.24	5.49	0.00	0.000	0.000
10/31/1982	2.42	1.65	0.68		15.32	5.54	0.00	0.000	0.000
11/30/1982	2.11	1.41	0.67		15.38	5.59	0.00	0.000	0.000
12/31/1982	2.20	1.91	0.87		15.45	5.65	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	VRR	Cum VRR
1/31/1983	2.92	1.59	0.55		15.54	5.70	0.00	0.000	0.000
2/28/1983	2.54	1.39	0.55		15.61	5.73	0.00	0.000	0.000
3/31/1983	2.56	1.86	0.73		15.69	5.79	0.00	0.000	0.000
4/30/1983	2.46	1.56	0.63		15.77	5.84	0.00	0.000	0.000
5/31/1983	2.57	1.49	0.58		15.85	5.89	0.00	0.000	0.000
6/30/1983	2.45	1.98	0.81		15.92	5.94	0.00	0.000	0.000
7/31/1983	2.60	1.79	0.69		16.00	6.00	0.00	0.000	0.000
8/31/1983	2.17	1.35	0.62		16.07	6.04	0.00	0.000	0.000
9/30/1983	1.93	1.64	0.85		16.12	6.09	0.00	0.000	0.000
10/31/1983	2.22	1.05	0.47		16.19	6.12	0.00	0.000	0.000
11/30/1983	2.43	1.78	0.73		16.27	6.18	0.00	0.000	0.000
12/31/1983	2.56	1.99	0.78		16.35	6.24	0.00	0.000	0.000
1/31/1984	2.73	1.78	0.65		16.43	6.29	0.00	0.000	0.000
2/29/1984	2.71	1.18	0.43		16.51	6.33	0.00	0.000	0.000
3/31/1984	2.48	1.69	0.68		16.59	6.38	0.00	0.000	0.000
4/30/1984	1.46	1.12	0.77		16.63	6.41	0.00	0.000	0.000
5/31/1984	2.61	1.63	0.62		16.71	6.46	0.00	0.000	0.000
6/30/1984	2.51	1.65	0.66		16.79	6.51	0.00	0.000	0.000
7/31/1984	2.40	1.47	0.61		16.86	6.56	0.00	0.000	0.000
8/31/1984	4.14	1.47	0.35		16.99	6.61	0.00	0.000	0.000
9/30/1984	4.97	1.24	0.25		17.14	6.64	0.00	0.000	0.000
10/31/1984	5.40	1.86	0.35		17.31	6.70	0.00	0.000	0.000
11/30/1984	3.77	1.51	0.40		17.42	6.75	0.00	0.000	0.000
12/31/1984	2.83	2.04	0.72		17.51	6.81	0.00	0.000	0.000
1/31/1985	3.87	1.96	0.51		17.63	6.87	0.00	0.000	0.000
2/28/1985	4.04	1.66	0.41		17.74	6.92	0.00	0.000	0.000
3/31/1985	3.64	1.79	0.49		17.85	6.97	0.00	0.000	0.000
4/30/1985	3.51	1.95	0.56		17.96	7.03	0.00	0.000	0.000
5/31/1985	3.42	1.58	0.46		18.06	7.08	0.00	0.000	0.000
6/30/1985	3.44	1.56	0.45		18.17	7.13	0.00	0.000	0.000
7/31/1985	2.02	1.30	0.64		18.23	7.17	0.00	0.000	0.000
8/31/1985	2.46	1.27	0.52		18.31	7.21	0.00	0.000	0.000
9/30/1985	2.37	1.68	0.71		18.38	7.26	0.00	0.000	0.000
10/31/1985	1.81	5.25	2.90		18.43	7.42	0.00	0.000	0.000
11/30/1985	2.39	5.60	2.34		18.51	7.59	0.00	0.000	0.000
12/31/1985	2.28	6.76	2.97		18.58	7.80	0.00	0.000	0.000
1/31/1986	2.76	5.70	2.06		18.66	7.97	0.00	0.000	0.000
2/28/1986	2.76	7.75	2.81		18.74	8.19	0.00	0.000	0.000
3/31/1986	2.83	4.70	1.66		18.83	8.34	0.00	0.000	0.000
4/30/1986	4.41	5.13	1.16		18.96	8.49	0.00	0.000	0.000
5/31/1986	2.84	3.86	1.36		19.05	8.61	0.00	0.000	0.000
6/30/1986	2.96	4.36	1.47		19.14	8.74	0.00	0.000	0.000
7/31/1986	2.88	4.61	1.60		19.23	8.88	0.00	0.000	0.000
8/31/1986	3.07	3.78	1.23		19.32	9.00	0.00	0.000	0.000
9/30/1986	2.28	3.44	1.51		19.39	9.10	0.00	0.000	0.000
10/31/1986	2.32	3.60	1.55		19.46	9.22	0.00	0.000	0.000
11/30/1986	2.78	3.30	1.19		19.54	9.31	0.00	0.000	0.000
12/31/1986	2.69	4.21	1.56		19.63	9.44	0.00	0.000	0.000
1/31/1987	3.24	3.03	0.94		19.73	9.54	0.00	0.000	0.000
2/28/1987	3.17	3.54	1.12		19.82	9.64	0.00	0.000	0.000
3/31/1987	2.84	3.68	1.30		19.90	9.75	0.00	0.000	0.000
4/30/1987	3.09	3.35	1.09		20.00	9.85	0.00	0.000	0.000
5/31/1987	3.18	3.98	1.25		20.10	9.98	0.00	0.000	0.000
6/30/1987	3.03	3.20	1.06		20.19	10.07	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
7/31/1987	2.93	3.64	1.24		20.28	10.18	0.00	0.000	0.000
8/31/1987	3.37	2.54	0.75		20.38	10.26	0.00	0.000	0.000
9/30/1987	1.86	3.33	1.79		20.44	10.36	0.00	0.000	0.000
10/31/1987	2.78	2.99	1.07		20.52	10.46	0.00	0.000	0.000
11/30/1987	2.58	2.21	0.86		20.60	10.52	0.00	0.000	0.000
12/31/1987	2.65	3.04	1.14		20.68	10.62	0.00	0.000	0.000
1/31/1988	2.80	2.48	0.88		20.77	10.69	0.00	0.000	0.000
2/29/1988	2.45	3.12	1.27		20.84	10.78	0.00	0.000	0.000
3/31/1988	2.43	3.55	1.46		20.92	10.89	0.00	0.000	0.000
4/30/1988	2.78	2.25	0.81		21.00	10.96	0.00	0.000	0.000
5/31/1988	2.99	3.18	1.06		21.09	11.06	0.00	0.000	0.000
6/30/1988	2.13	2.92	1.37		21.16	11.15	0.00	0.000	0.000
7/31/1988	2.78	2.35	0.85		21.24	11.22	0.00	0.000	0.000
8/31/1988	2.70	2.62	0.97		21.33	11.30	0.00	0.000	0.000
9/30/1988	2.80	2.76	0.99		21.41	11.38	0.00	0.000	0.000
10/31/1988	2.67	2.78	1.04		21.49	11.47	0.00	0.000	0.000
11/30/1988	2.73	2.41	0.88		21.57	11.54	0.00	0.000	0.000
12/31/1988	3.59	1.97	0.55		21.69	11.60	0.00	0.000	0.000
1/31/1989	2.56	1.95	0.76		21.77	11.66	0.00	0.000	0.000
2/28/1989	2.80	2.20	0.78		21.84	11.73	0.00	0.000	0.000
3/31/1989	2.75	3.39	1.23		21.93	11.83	0.00	0.000	0.000
4/30/1989	2.93	2.44	0.83		22.02	11.90	0.00	0.000	0.000
5/31/1989	2.56	2.56	1.00		22.10	11.98	0.00	0.000	0.000
6/30/1989	2.61	2.60	1.00		22.17	12.06	0.00	0.000	0.000
7/31/1989	2.73	2.54	0.93		22.26	12.14	0.00	0.000	0.000
8/31/1989	2.69	2.61	0.97		22.34	12.22	0.00	0.000	0.000
9/30/1989	2.41	2.69	1.12		22.41	12.30	0.00	0.000	0.000
10/31/1989	2.93	3.01	1.03		22.51	12.40	0.00	0.000	0.000
11/30/1989	2.55	1.46	0.57		22.58	12.44	0.00	0.000	0.000
12/31/1989	2.75	2.26	0.82		22.67	12.51	0.00	0.000	0.000
1/31/1990	2.42	2.26	0.94		22.74	12.58	0.00	0.000	0.000
2/28/1990	2.26	2.36	1.05		22.81	12.65	0.00	0.000	0.000
3/31/1990	3.10	2.21	0.71		22.90	12.71	0.00	0.000	0.000
4/30/1990	1.50	2.32	1.54		22.95	12.78	0.00	0.000	0.000
5/31/1990	2.06	2.36	1.14		23.01	12.86	0.00	0.000	0.000
6/30/1990	2.40	2.58	1.08		23.08	12.93	0.00	0.000	0.000
7/31/1990	1.96	2.76	1.41		23.14	13.02	0.00	0.000	0.000
8/31/1990	2.26	2.11	0.94		23.21	13.09	0.00	0.000	0.000
9/30/1990	1.93	2.73	1.41		23.27	13.17	0.00	0.000	0.000
10/31/1990	1.61	2.17	1.35		23.32	13.24	0.00	0.000	0.000
11/30/1990	1.49	2.07	1.39		23.37	13.30	0.00	0.000	0.000
12/31/1990	1.92	2.29	1.20		23.43	13.37	0.00	0.000	0.000
1/31/1991	1.94	2.09	1.08		23.49	13.43	0.00	0.000	0.000
2/28/1991	1.86	1.66	0.89		23.54	13.48	0.00	0.000	0.000
3/31/1991	1.60	2.11	1.32		23.59	13.54	0.00	0.000	0.000
4/30/1991	0.57	0.74	1.29		23.60	13.57	0.00	0.000	0.000
5/31/1991	1.69	2.58	1.53		23.66	13.65	0.00	0.000	0.000
6/30/1991	2.26	2.55	1.13		23.72	13.72	0.00	0.000	0.000
7/31/1991	2.27	2.38	1.05		23.79	13.80	0.00	0.000	0.000
8/31/1991	2.22	1.63	0.73		23.86	13.85	0.00	0.000	0.000
9/30/1991	1.92	1.32	0.69		23.92	13.89	0.00	0.000	0.000
10/31/1991	1.88	1.20	0.64		23.98	13.92	0.00	0.000	0.000
11/30/1991	1.81	1.16	0.64		24.03	13.96	0.00	0.000	0.000
12/31/1991	1.70	1.04	0.61		24.09	13.99	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
1/31/1992	1.77	1.08	0.61		24.14	14.03	0.00	0.000	0.000
2/29/1992	1.69	1.07	0.63		24.19	14.06	0.00	0.000	0.000
3/31/1992	1.71	1.08	0.63		24.24	14.09	0.00	0.000	0.000
4/30/1992	1.78	1.13	0.63		24.30	14.12	0.00	0.000	0.000
5/31/1992	1.68	1.02	0.61		24.35	14.16	0.00	0.000	0.000
6/30/1992	1.61	0.98	0.61		24.40	14.18	0.00	0.000	0.000
7/31/1992	1.55	0.91	0.58		24.44	14.21	0.00	0.000	0.000
8/31/1992	1.77	1.13	0.64		24.50	14.25	0.00	0.000	0.000
9/30/1992	1.40	0.97	0.69		24.54	14.28	0.00	0.000	0.000
10/31/1992	1.33	0.90	0.68		24.58	14.30	0.00	0.000	0.000
11/30/1992	1.31	0.49	0.37		24.62	14.32	0.00	0.000	0.000
12/31/1992	1.49	0.90	0.61		24.67	14.35	0.00	0.000	0.000
1/31/1993	1.72	1.05	0.61		24.72	14.38	0.00	0.000	0.000
2/28/1993	1.71	1.00	0.58		24.77	14.41	0.00	0.000	0.000
3/31/1993	1.74	1.04	0.60		24.82	14.44	0.00	0.000	0.000
4/30/1993	1.30	0.89	0.68		24.86	14.47	0.00	0.000	0.000
5/31/1993	1.72	0.99	0.58		24.92	14.50	0.00	0.000	0.000
6/30/1993	1.82	0.98	0.54		24.97	14.53	0.00	0.000	0.000
7/31/1993	1.84	1.11	0.60		25.03	14.56	0.00	0.000	0.000
8/31/1993	1.73	1.18	0.68		25.08	14.60	0.00	0.000	0.000
9/30/1993	1.75	1.22	0.70		25.13	14.63	0.00	0.000	0.000
10/31/1993	1.76	1.20	0.68		25.19	14.67	0.00	0.000	0.000
11/30/1993	1.66	1.12	0.68		25.24	14.71	0.00	0.000	0.000
12/31/1993	1.73	1.16	0.67		25.29	14.74	0.00	0.000	0.000
1/31/1994	1.68	1.15	0.68		25.34	14.78	0.00	0.000	0.000
2/28/1994	1.69	1.12	0.67		25.39	14.81	0.00	0.000	0.000
3/31/1994	1.35	0.67	0.50		25.43	14.83	0.00	0.000	0.000
4/30/1994	1.30	0.87	0.67		25.47	14.86	0.00	0.000	0.000
5/31/1994	1.66	1.41	0.85		25.52	14.90	0.00	0.000	0.000
6/30/1994	1.66	1.30	0.78		25.57	14.94	0.00	0.000	0.000
7/31/1994	1.62	1.22	0.75		25.62	14.98	0.00	0.000	0.000
8/31/1994	1.56	1.24	0.79		25.67	15.01	0.00	0.000	0.000
9/30/1994	1.88	1.38	0.74		25.73	15.06	0.00	0.000	0.000
10/31/1994	1.90	1.42	0.75		25.79	15.10	0.00	0.000	0.000
11/30/1994	1.88	1.42	0.75		25.84	15.14	0.00	0.000	0.000
12/31/1994	1.80	1.36	0.76		25.90	15.18	0.00	0.000	0.000
1/31/1995	1.91	1.42	0.74		25.96	15.23	0.00	0.000	0.000
2/28/1995	1.86	1.35	0.72		26.01	15.27	0.00	0.000	0.000
3/31/1995	1.65	0.91	0.55		26.06	15.29	0.00	0.000	0.000
4/30/1995	1.40	0.49	0.35		26.10	15.31	0.00	0.000	0.000
5/31/1995	1.85	1.52	0.82		26.16	15.36	0.00	0.000	0.000
6/30/1995	1.94	1.40	0.72		26.22	15.40	0.00	0.000	0.000
7/31/1995	1.95	1.27	0.65		26.28	15.44	0.00	0.000	0.000
8/31/1995	1.94	1.26	0.65		26.34	15.48	0.00	0.000	0.000
9/30/1995	1.94	1.24	0.64		26.40	15.51	0.00	0.000	0.000
10/31/1995	1.93	1.25	0.65		26.46	15.55	0.00	0.000	0.000
11/30/1995	1.90	1.24	0.65		26.51	15.59	0.00	0.000	0.000
12/31/1995	1.88	1.25	0.66		26.57	15.63	0.00	0.000	0.000
1/31/1996	1.90	1.24	0.65		26.63	15.67	0.00	0.000	0.000
2/29/1996	1.89	1.23	0.65		26.69	15.70	0.00	0.000	0.000
3/31/1996	1.87	0.96	0.51		26.74	15.73	0.00	0.000	0.000
4/30/1996	1.70	0.97	0.57		26.80	15.76	0.00	0.000	0.000
5/31/1996	1.91	1.15	0.60		26.85	15.80	0.00	0.000	0.000
6/30/1996	1.90	1.28	0.67		26.91	15.84	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
7/31/1996	1.85	1.36	0.74		26.97	15.88	0.00	0.000	0.000
8/31/1996	1.84	1.35	0.74		27.03	15.92	0.00	0.000	0.000
9/30/1996	1.82	0.99	0.54		27.08	15.95	0.00	0.000	0.000
10/31/1996	1.83	1.35	0.74		27.14	15.99	0.00	0.000	0.000
11/30/1996	1.85	1.29	0.70		27.19	16.03	0.00	0.000	0.000
12/31/1996	1.75	1.16	0.66		27.25	16.07	0.00	0.000	0.000
1/31/1997	1.81	1.23	0.68		27.30	16.10	0.00	0.000	0.000
2/28/1997	1.66	1.59	0.96		27.35	16.15	0.00	0.000	0.000
3/31/1997	1.72	1.67	0.97		27.40	16.20	0.00	0.000	0.000
4/30/1997	1.43	1.11	0.77		27.45	16.23	0.00	0.000	0.000
5/31/1997	1.75	1.54	0.88		27.50	16.28	0.00	0.000	0.000
6/30/1997	1.94	2.31	1.19		27.56	16.35	0.00	0.000	0.000
7/31/1997	1.92	1.95	1.01		27.62	16.41	0.00	0.000	0.000
8/31/1997	1.69	1.86	1.11		27.67	16.47	0.00	0.000	0.000
9/30/1997	1.73	1.43	0.83		27.72	16.51	0.00	0.000	0.000
10/31/1997	1.54	1.53	0.99		27.77	16.56	0.00	0.000	0.000
11/30/1997	1.54	1.11	0.72		27.82	16.59	0.00	0.000	0.000
12/31/1997	1.49	1.41	0.95		27.86	16.64	0.00	0.000	0.000
1/31/1998	1.41	1.53	1.08		27.91	16.68	0.00	0.000	0.000
2/28/1998	1.39	1.60	1.15		27.95	16.73	0.00	0.000	0.000
3/31/1998	1.27	1.93	1.52		27.99	16.79	0.00	0.000	0.000
4/30/1998	0.91	0.36	0.40		28.01	16.80	0.00	0.000	0.000
5/31/1998	1.00	1.04	1.04		28.04	16.83	0.00	0.000	0.000
6/30/1998	1.41	2.33	1.65		28.09	16.90	0.00	0.000	0.000
7/31/1998	1.80	2.21	1.23		28.14	16.97	0.00	0.000	0.000
8/31/1998	1.66	2.08	1.25		28.19	17.03	0.00	0.000	0.000
9/30/1998	1.47	1.60	1.09		28.24	17.08	0.00	0.000	0.000
10/31/1998	1.73	1.79	1.03		28.29	17.14	0.00	0.000	0.000
11/30/1998	1.96	1.30	0.67		28.35	17.18	0.00	0.000	0.000
12/31/1998	1.85	2.35	1.27		28.41	17.25	0.00	0.000	0.000
1/31/1999	1.86	1.82	0.98		28.46	17.31	0.00	0.000	0.000
2/28/1999	1.85	1.67	0.90		28.52	17.35	0.00	0.000	0.000
3/31/1999	1.88	2.04	1.08		28.57	17.42	0.00	0.000	0.000
4/30/1999	1.39	0.84	0.61		28.62	17.44	0.00	0.000	0.000
5/31/1999	1.46	1.75	1.20		28.66	17.50	0.00	0.000	0.000
6/30/1999	1.15	0.17	0.15		28.70	17.50	0.00	0.000	0.000
7/31/1999	1.72	2.22	1.29		28.75	17.57	0.00	0.000	0.000
8/31/1999	1.11	2.16	1.94		28.78	17.64	0.00	0.000	0.000
9/30/1999	1.88	1.88	1.00		28.84	17.69	0.00	0.000	0.000
10/31/1999	1.81	1.74	0.96		28.90	17.75	0.00	0.000	0.000
11/30/1999	1.66	1.79	1.08		28.95	17.80	0.00	0.000	0.000
12/31/1999	2.22	1.58	0.71		29.01	17.85	0.00	0.000	0.000
1/31/2000	2.08	1.69	0.81		29.08	17.90	0.00	0.000	0.000
2/29/2000	2.13	1.72	0.81		29.14	17.95	0.00	0.000	0.000
3/31/2000	2.03	1.28	0.63		29.20	17.99	0.00	0.000	0.000
4/30/2000	2.05	1.92	0.94		29.27	18.05	0.00	0.000	0.000
5/31/2000	2.12	2.08	0.98		29.33	18.11	0.00	0.000	0.000
6/30/2000	2.00	1.73	0.86		29.39	18.16	0.00	0.000	0.000
7/31/2000	1.96	1.75	0.89		29.45	18.22	0.00	0.000	0.000
8/31/2000	2.03	1.79	0.88		29.51	18.27	0.00	0.000	0.000
9/30/2000	2.03	1.73	0.85		29.58	18.33	0.00	0.000	0.000
10/31/2000	1.93	1.63	0.85		29.64	18.38	0.00	0.000	0.000
11/30/2000	1.92	1.65	0.86		29.69	18.43	0.00	0.000	0.000
12/31/2000	1.72	1.28	0.74		29.75	18.47	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	VRR	Cum VRR
1/31/2001	1.72	1.28	0.75		29.80	18.51	0.00	0.000	0.000
2/28/2001	1.55	1.37	0.88		29.84	18.54	0.00	0.000	0.000
3/31/2001	1.73	1.27	0.74		29.90	18.58	0.00	0.000	0.000
4/30/2001	1.64	1.37	0.84		29.95	18.62	0.00	0.000	0.000
5/31/2001	1.81	1.81	1.00		30.00	18.68	0.00	0.000	0.000
6/30/2001	1.77	1.39	0.78		30.05	18.72	0.00	0.000	0.000
7/31/2001	1.71	1.77	1.04		30.11	18.78	0.00	0.000	0.000
8/31/2001	1.69	1.84	1.09		30.16	18.83	0.00	0.000	0.000
9/30/2001	1.66	1.37	0.83		30.21	18.88	0.00	0.000	0.000
10/31/2001	1.55	1.79	1.15		30.26	18.93	0.00	0.000	0.000
11/30/2001	1.62	1.35	0.83		30.31	18.97	0.00	0.000	0.000
12/31/2001	1.58	1.28	0.81		30.36	19.01	0.00	0.000	0.000
1/31/2002	1.59	1.58	1.00		30.40	19.06	0.00	0.000	0.000
2/28/2002	1.60	1.68	1.05		30.45	19.11	0.00	0.000	0.000
3/31/2002	1.56	1.11	0.71		30.50	19.14	0.00	0.000	0.000
4/30/2002	1.59	1.04	0.66		30.55	19.17	0.00	0.000	0.000
5/31/2002	1.56	1.68	1.08		30.59	19.23	0.00	0.000	0.000
6/30/2002	1.49	1.39	0.93		30.64	19.27	0.00	0.000	0.000
7/31/2002	1.41	0.83	0.59		30.68	19.29	0.00	0.000	0.000
8/31/2002	1.53	1.38	0.90		30.73	19.34	0.00	0.000	0.000
9/30/2002	1.47	1.26	0.86		30.77	19.37	0.00	0.000	0.000
10/31/2002	1.40	1.33	0.95		30.82	19.41	0.00	0.000	0.000
11/30/2002	1.50	1.34	0.90		30.86	19.45	0.00	0.000	0.000
12/31/2002	1.51	1.27	0.84		30.91	19.49	0.00	0.000	0.000
1/31/2003	1.50	1.26	0.84		30.96	19.53	0.00	0.000	0.000
2/28/2003	1.24	0.43	0.35		30.99	19.55	0.00	0.000	0.000
3/31/2003	1.28	0.75	0.59		31.03	19.57	0.00	0.000	0.000
4/30/2003	1.43	1.35	0.94		31.07	19.61	0.00	0.000	0.000
5/31/2003	1.37	0.83	0.60		31.12	19.63	0.00	0.000	0.000
6/30/2003	1.57	1.90	1.21		31.16	19.69	0.00	0.000	0.000
7/31/2003	1.57	1.62	1.03		31.21	19.74	0.00	0.000	0.000
8/31/2003	1.44	1.26	0.87		31.26	19.78	0.00	0.000	0.000
9/30/2003	1.57	1.72	1.10		31.30	19.83	0.00	0.000	0.000
10/31/2003	1.50	1.59	1.06		31.35	19.88	0.00	0.000	0.000
11/30/2003	1.48	1.58	1.07		31.39	19.93	0.00	0.000	0.000
12/31/2003	1.52	1.56	1.03		31.44	19.98	0.00	0.000	0.000
1/31/2004	1.32	1.72	1.31		31.48	20.03	0.00	0.000	0.000
2/29/2004	1.56	1.63	1.04		31.53	20.08	0.00	0.000	0.000
3/31/2004	1.43	1.39	0.97		31.57	20.12	0.00	0.000	0.000
4/30/2004	1.52	1.65	1.08		31.62	20.17	0.00	0.000	0.000
5/31/2004	1.53	1.61	1.05		31.66	20.22	0.00	0.000	0.000
6/30/2004	1.49	1.63	1.09		31.71	20.27	0.00	0.000	0.000
7/31/2004	1.48	1.58	1.07		31.75	20.32	0.00	0.000	0.000
8/31/2004	1.28	1.23	0.96		31.79	20.36	0.00	0.000	0.000
9/30/2004	1.40	1.59	1.13		31.84	20.40	0.00	0.000	0.000
10/31/2004	1.41	1.55	1.10		31.88	20.45	0.00	0.000	0.000
11/30/2004	1.27	1.12	0.89		31.92	20.49	0.00	0.000	0.000
12/31/2004	1.42	1.65	1.17		31.96	20.54	0.00	0.000	0.000
1/31/2005	1.35	1.60	1.19		32.00	20.59	0.00	0.000	0.000
2/28/2005	1.30	1.62	1.25		32.04	20.63	0.00	0.000	0.000
3/31/2005	1.18	1.20	1.02		32.08	20.67	0.00	0.000	0.000
4/30/2005	1.05	0.77	0.73		32.11	20.69	0.00	0.000	0.000
5/31/2005	1.33	1.70	1.28		32.15	20.74	0.00	0.000	0.000
6/30/2005	1.32	1.63	1.23		32.19	20.79	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
7/31/2005	1.32	1.66	1.26		32.23	20.84	0.00	0.000	0.000
8/31/2005	1.27	1.60	1.25		32.27	20.89	0.00	0.000	0.000
9/30/2005	1.32	1.63	1.24		32.31	20.94	0.00	0.000	0.000
10/31/2005	1.26	1.58	1.25		32.35	20.99	0.00	0.000	0.000
11/30/2005	1.35	1.74	1.29		32.39	21.04	0.00	0.000	0.000
12/31/2005	1.32	1.62	1.23		32.43	21.09	0.00	0.000	0.000
1/31/2006	1.26	1.62	1.28		32.47	21.14	0.00	0.000	0.000
2/28/2006	1.38	2.27	1.65		32.51	21.21	0.00	0.000	0.000
3/31/2006	4.96	0.70	0.14		32.66	21.23	0.00	0.000	0.000
4/30/2006	6.95	3.11	0.45		32.87	21.32	0.00	0.000	0.000
5/31/2006	8.88	3.70	0.42		33.14	21.44	0.00	0.000	0.000
6/30/2006	8.50	3.54	0.42		33.40	21.54	0.00	0.000	0.000
7/31/2006	7.56	2.95	0.39		33.63	21.64	0.00	0.000	0.000
8/31/2006	7.15	2.47	0.35		33.86	21.71	0.00	0.000	0.000
9/30/2006	7.22	2.44	0.34		34.07	21.79	0.00	0.000	0.000
10/31/2006	5.45	2.11	0.39		34.24	21.85	0.00	0.000	0.000
11/30/2006	5.10	2.02	0.40		34.39	21.91	0.00	0.000	0.000
12/31/2006	5.10	1.84	0.36		34.55	21.97	0.00	0.000	0.000
1/31/2007	5.16	1.74	0.34		34.71	22.02	0.00	0.000	0.000
2/28/2007	5.01	1.59	0.32		34.85	22.07	0.00	0.000	0.000
3/31/2007	3.69	1.51	0.41		34.97	22.11	0.00	0.000	0.000
4/30/2007	2.94	1.48	0.50		35.06	22.16	0.00	0.000	0.000
5/31/2007	2.81	1.48	0.53		35.14	22.20	0.00	0.000	0.000
6/30/2007	2.65	1.47	0.55		35.22	22.25	0.00	0.000	0.000
7/31/2007	2.55	1.47	0.58		35.30	22.29	0.00	0.000	0.000
8/31/2007	2.36	1.45	0.61		35.37	22.34	0.00	0.000	0.000
9/30/2007	2.04	1.33	0.65		35.44	22.38	0.00	0.000	0.000
10/31/2007	1.94	1.36	0.70		35.50	22.42	0.00	0.000	0.000
11/30/2007	1.71	1.45	0.85		35.55	22.46	0.00	0.000	0.000
12/31/2007	1.82	1.50	0.83		35.60	22.51	0.00	0.000	0.000
1/31/2008	1.70	1.40	0.82		35.66	22.55	0.00	0.000	0.000
2/29/2008	1.62	1.48	0.91		35.70	22.60	0.00	0.000	0.000
3/31/2008	1.74	1.59	0.92		35.76	22.65	0.00	0.000	0.000
4/30/2008	1.92	3.62	1.89		35.81	22.76	0.00	0.000	0.000
5/31/2008	2.70	4.67	1.73		35.90	22.90	0.00	0.000	0.000
6/30/2008	2.60	3.81	1.47		35.98	23.01	0.00	0.000	0.000
7/31/2008	2.80	3.52	1.26		36.06	23.12	0.00	0.000	0.000
8/31/2008	2.86	3.63	1.27		36.15	23.24	0.00	0.000	0.000
9/30/2008	2.44	3.04	1.24		36.23	23.33	0.00	0.000	0.000
10/31/2008	2.63	2.93	1.11		36.31	23.42	0.00	0.000	0.000
11/30/2008	2.69	2.94	1.09		36.39	23.51	0.00	0.000	0.000
12/31/2008	2.60	2.89	1.11		36.47	23.60	0.00	0.000	0.000
1/31/2009	2.45	2.77	1.13		36.54	23.68	0.00	0.000	0.000
2/28/2009	2.38	2.73	1.15		36.61	23.76	0.00	0.000	0.000
3/31/2009	2.43	2.61	1.07		36.69	23.84	0.00	0.000	0.000
4/30/2009	2.68	3.18	1.19		36.77	23.93	0.00	0.000	0.000
5/31/2009	2.57	3.32	1.29		36.85	24.04	0.00	0.000	0.000
6/30/2009	2.46	3.19	1.30		36.92	24.13	0.00	0.000	0.000
7/31/2009	2.48	3.06	1.23		37.00	24.23	0.00	0.000	0.000
8/31/2009	2.13	2.82	1.32		37.06	24.32	0.00	0.000	0.000
9/30/2009	2.29	2.91	1.27		37.13	24.40	0.00	0.000	0.000
10/31/2009	2.14	2.86	1.34		37.20	24.49	0.00	0.000	0.000
11/30/2009	2.14	2.78	1.30		37.26	24.57	0.00	0.000	0.000
12/31/2009	2.04	2.71	1.33		37.33	24.66	0.00	0.000	0.000

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1/31/2010	2.04	2.68	1.32		37.39	24.74	0.00	0.000	0.000
2/28/2010	2.03	2.70	1.33		37.45	24.82	0.00	0.000	0.000
3/31/2010	1.95	2.60	1.33		37.51	24.90	0.00	0.000	0.000
4/30/2010	2.02	2.69	1.33		37.57	24.98	0.00	0.000	0.000
5/31/2010	2.06	2.70	1.31		37.63	25.06	0.00	0.000	0.000
6/30/2010	2.02	3.00	1.49		37.69	25.15	0.00	0.000	0.000
7/31/2010	1.22	1.88	1.54		37.73	25.21	0.00	0.000	0.000
8/31/2010	1.69	2.61	1.55		37.78	25.29	0.00	0.000	0.000
9/30/2010	1.87	2.57	1.37		37.84	25.37	0.00	0.000	0.000
10/31/2010	1.75	2.29	1.31		37.89	25.44	0.00	0.000	0.000
11/30/2010	1.68	2.38	1.42		37.94	25.51	0.00	0.000	0.000
12/31/2010	1.30	1.94	1.49		37.98	25.57	0.00	0.000	0.000
1/31/2011	1.27	1.82	1.43		38.02	25.63	0.00	0.000	0.000
2/28/2011	1.22	1.81	1.49		38.06	25.68	0.00	0.000	0.000
3/31/2011	1.25	1.96	1.57		38.09	25.74	0.00	0.000	0.000
4/30/2011	0.58	0.72	1.23		38.11	25.76	0.00	0.000	0.000
5/31/2011	0.26	0.14	0.52		38.12	25.76	0.00	0.000	0.000
6/30/2011	0.00	0.00			38.12	25.76	0.00		0.000
7/31/2011	0.77	1.58	2.05		38.14	25.81	0.00	0.000	0.000
8/31/2011	1.16	3.20	2.76		38.18	25.91	0.00	0.000	0.000
9/30/2011	1.54	2.89	1.87		38.23	26.00	0.00	0.000	0.000
10/31/2011	1.71	3.05	1.78		38.28	26.09	0.00	0.000	0.000
11/30/2011	1.02	2.22	2.16		38.31	26.16	0.00	0.000	0.000
12/31/2011	1.85	2.33	1.26		38.37	26.23	0.00	0.000	0.000
1/31/2012	1.30	2.00	1.54		38.41	26.29	0.00	0.000	0.000
2/29/2012	1.44	2.29	1.59		38.45	26.36	0.00	0.000	0.000
3/31/2012	1.35	2.19	1.63		38.49	26.43	0.00	0.000	0.000
4/30/2012	1.33	2.09	1.57		38.53	26.49	0.00	0.000	0.000
5/31/2012	0.82	2.18	2.64		38.56	26.56	0.00	0.000	0.000
6/30/2012	0.91	2.37	2.60		38.58	26.63	0.00	0.000	0.000
7/31/2012	1.94	2.66	1.37		38.64	26.71	0.00	0.000	0.000
8/31/2012	1.32	2.56	1.94		38.68	26.79	0.00	0.000	0.000
9/30/2012	1.57	2.60	1.66		38.73	26.87	0.00	0.000	0.000
10/31/2012	1.41	2.30	1.63		38.78	26.94	0.00	0.000	0.000
11/30/2012	1.43	2.29	1.60		38.82	27.01	0.00	0.000	0.000
12/31/2012	1.42	2.41	1.69		38.86	27.09	0.00	0.000	0.000
1/31/2013	1.60	2.59	1.62		38.91	27.17	0.00	0.000	0.000
2/28/2013	1.40	3.12	2.23		38.95	27.25	0.00	0.000	0.000
3/31/2013	1.37	2.97	2.17		38.99	27.35	0.00	0.000	0.000
4/30/2013	1.19	2.58	2.17		39.03	27.42	0.00	0.000	0.000
5/31/2013	0.96	2.24	2.34		39.06	27.49	0.00	0.000	0.000
6/30/2013	1.16	2.21	1.91		39.09	27.56	0.00	0.000	0.000
7/31/2013	0.82	1.70	2.06		39.12	27.61	0.00	0.000	0.000
8/31/2013	0.82	1.83	2.23		39.14	27.67	0.00	0.000	0.000
9/30/2013	1.07	2.30	2.15		39.18	27.74	0.00	0.000	0.000
10/31/2013	0.89	2.07	2.31		39.20	27.80	0.00	0.000	0.000
11/30/2013	0.69	1.90	2.78		39.23	27.86	0.00	0.000	0.000
12/31/2013	0.96	2.20	2.30		39.25	27.93	0.00	0.000	0.000
1/31/2014	0.93	2.09	2.25		39.28	27.99	0.00	0.000	0.000
2/28/2014	0.75	1.97	2.64		39.30	28.05	0.00	0.000	0.000
3/31/2014	0.47	0.96	2.06		39.32	28.08	0.00	0.000	0.000
4/30/2014	0.91	2.34	2.57		39.35	28.15	0.00	0.000	0.000
5/31/2014	1.30	3.56	2.73		39.39	28.26	0.00	0.000	0.000
6/30/2014	2.13	8.11	3.81		39.45	28.50	0.00	0.000	0.000

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7/31/2014	1.22	4.65	3.81		39.49	28.64	0.00	0.000	0.000
8/31/2014	1.91	6.25	3.26		39.55	28.84	0.00	0.000	0.000
9/30/2014	1.26	3.72	2.95		39.59	28.95	0.00	0.000	0.000
10/31/2014	1.46	4.01	2.74		39.63	29.07	0.00	0.000	0.000
11/30/2014	3.06	6.51	2.12		39.72	29.27	0.00	0.000	0.000
12/31/2014	11.03	12.09	1.10		40.06	29.64	0.00	0.000	0.000
1/31/2015	2.40	6.18	2.57		40.14	29.84	0.00	0.000	0.000
2/28/2015	1.74	6.03	3.47		40.19	30.00	0.00	0.000	0.000
3/31/2015	1.52	5.53	3.64		40.23	30.18	0.00	0.000	0.000
4/30/2015	1.28	5.02	3.93		40.27	30.33	0.00	0.000	0.000
5/31/2015	1.43	5.01	3.50		40.32	30.48	0.00	0.000	0.000
6/30/2015	1.25	4.36	3.49		40.36	30.61	0.00	0.000	0.000
7/31/2015	1.40	4.60	3.28		40.40	30.75	0.00	0.000	0.000
8/31/2015	1.57	4.46	2.85		40.45	30.89	0.00	0.000	0.000
9/30/2015	1.37	3.57	2.60		40.49	31.00	0.00	0.000	0.000
10/31/2015	1.26	3.33	2.65		40.53	31.10	0.00	0.000	0.000
11/30/2015	1.20	3.35	2.80		40.56	31.20	0.00	0.000	0.000
12/31/2015	0.90	2.57	2.84		40.59	31.28	0.00	0.000	0.000
1/31/2016	0.71	2.42	3.43	22.23	40.61	31.36	0.69	6.745	0.008
2/29/2016	0.66	2.29	3.49	29.79	40.63	31.42	1.55	9.609	0.019
3/31/2016	0.67	2.38	3.56	29.71	40.65	31.50	2.47	9.241	0.030
4/30/2016	0.79	2.98	3.76	28.63	40.68	31.59	3.33	7.239	0.041
5/31/2016	1.07	3.62	3.39	31.10	40.71	31.70	4.30	6.295	0.052
6/30/2016	1.27	3.48	2.74	18.20	40.75	31.80	4.84	3.597	0.059
7/31/2016	1.28	3.95	3.09	32.13	40.79	31.93	5.84	5.805	0.071
8/31/2016	1.72	3.84	2.23	29.52	40.84	32.05	6.75	4.938	0.082
9/30/2016	1.62	3.88	2.39	28.90	40.89	32.16	7.62	4.906	0.092
10/31/2016	1.64	3.93	2.40	28.35	40.94	32.28	8.50	4.753	0.102
11/30/2016	1.60	3.91	2.44	28.30	40.99	32.40	9.35	4.803	0.112
12/31/2016	1.90	4.90	2.58	29.16	41.05	32.55	10.25	4.019	0.123

Oil Formation Vol Factor : 1.2400 Pattern: 02/10-21-03-28Inj Set: NPU#1

Water Formation Vol Factor : 1.00000 m3/m3

August 01, 2017

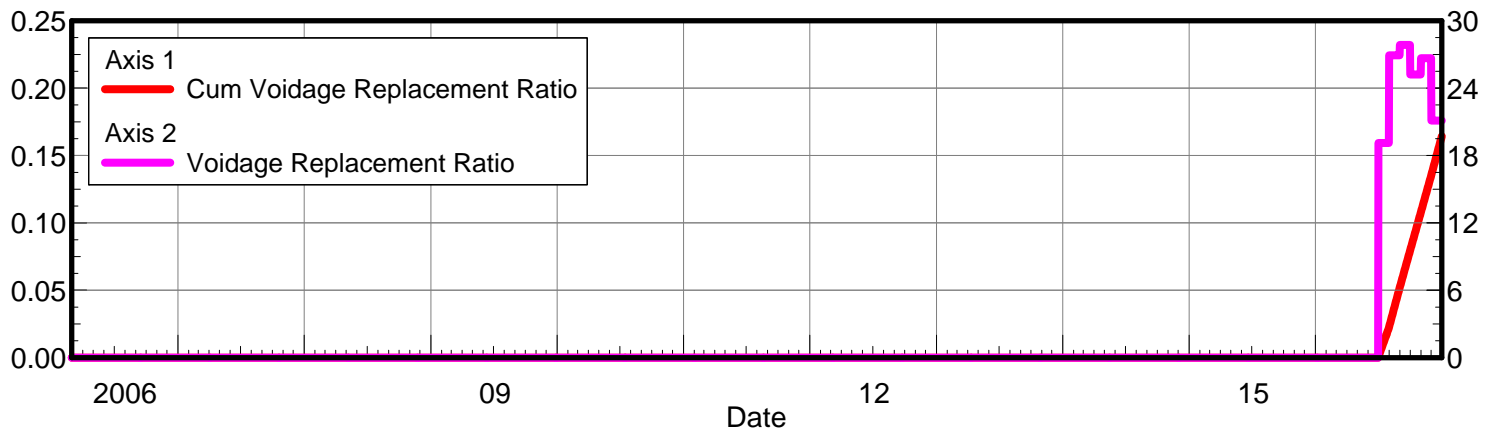
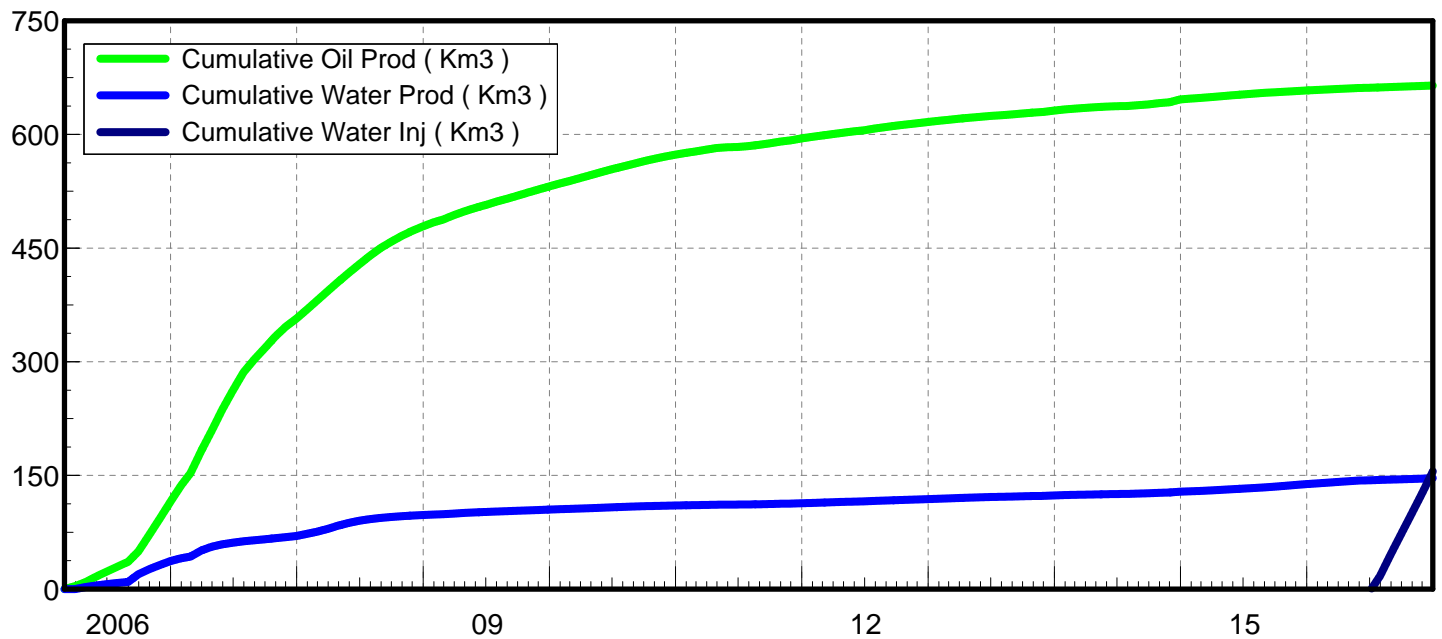
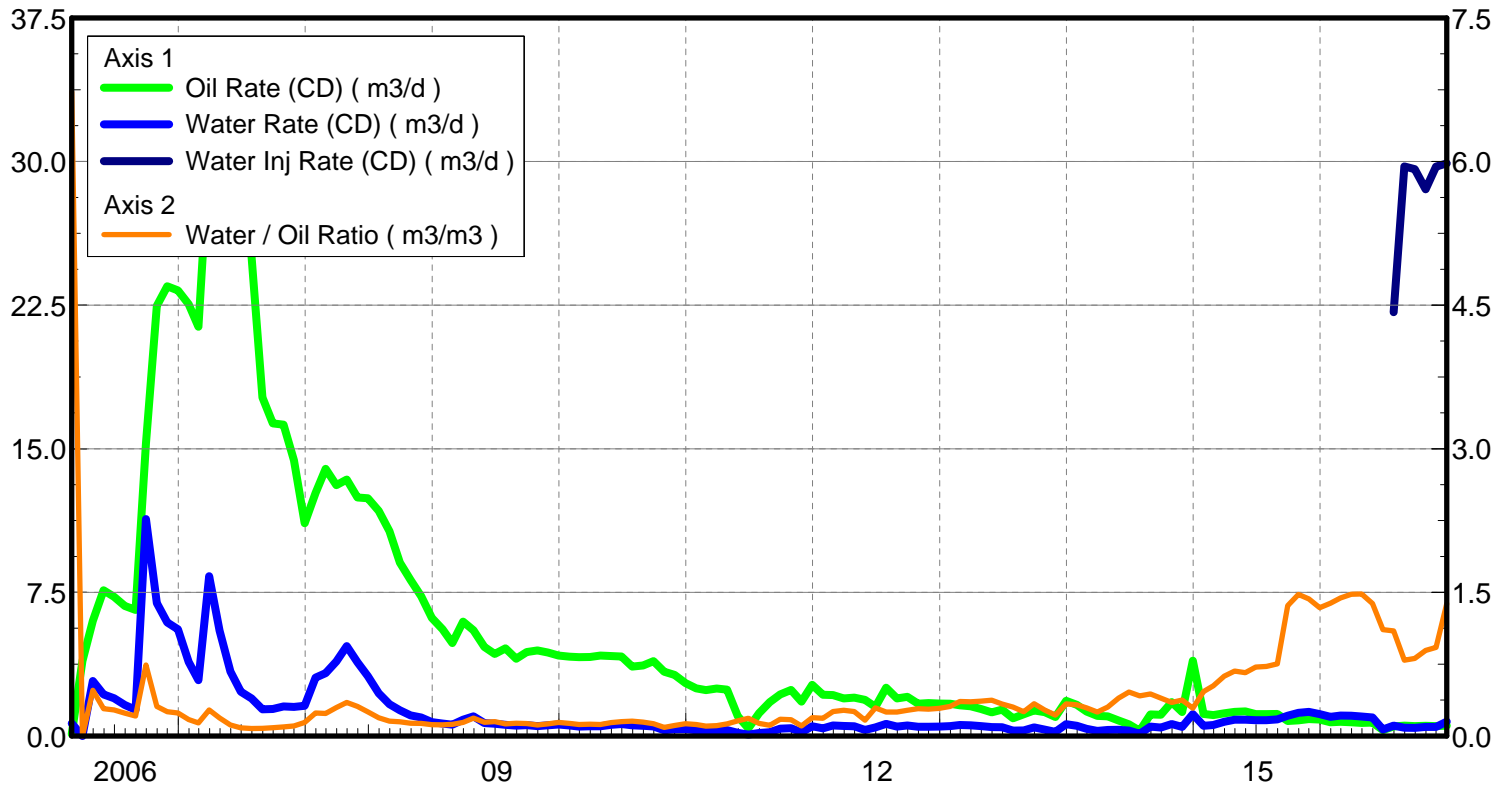
Water / Oil Ratio : 2.18 m3/m3

Operator: TUNDRA_OIL_&_GAS_LIMITED

Oil Rate (CD) : 0.49 m3/d

Water Rate (CD) : 1.08 m3/d

Water Inj Rate (CD) : 29.86 m3/d



Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
1/31/1965					0.00	0.00	0.00		
2/28/1965					0.00	0.00	0.00		
3/31/1965					0.00	0.00	0.00		
4/30/1965					0.00	0.00	0.00		
5/31/1965					0.00	0.00	0.00		
6/30/1965					0.00	0.00	0.00		
7/31/1965					0.00	0.00	0.00		
8/31/1965					0.00	0.00	0.00		
9/30/1965					0.00	0.00	0.00		
10/31/1965					0.00	0.00	0.00		
11/30/1965					0.00	0.00	0.00		
12/31/1965					0.00	0.00	0.00		
1/31/1966					0.00	0.00	0.00		
2/28/1966					0.00	0.00	0.00		
3/31/1966					0.00	0.00	0.00		
4/30/1966					0.00	0.00	0.00		
5/31/1966					0.00	0.00	0.00		
6/30/1966					0.00	0.00	0.00		
7/31/1966					0.00	0.00	0.00		
8/31/1966					0.00	0.00	0.00		
9/30/1966					0.00	0.00	0.00		
10/31/1966					0.00	0.00	0.00		
11/30/1966					0.00	0.00	0.00		
12/31/1966					0.00	0.00	0.00		
1/31/1967					0.00	0.00	0.00		
2/28/1967					0.00	0.00	0.00		
3/31/1967					0.00	0.00	0.00		
4/30/1967					0.00	0.00	0.00		
5/31/1967					0.00	0.00	0.00		
6/30/1967					0.00	0.00	0.00		
7/31/1967					0.00	0.00	0.00		
8/31/1967					0.00	0.00	0.00		
9/30/1967					0.00	0.00	0.00		
10/31/1967					0.00	0.00	0.00		
11/30/1967					0.00	0.00	0.00		
12/31/1967					0.00	0.00	0.00		
1/31/1968					0.00	0.00	0.00		
2/29/1968					0.00	0.00	0.00		
3/31/1968					0.00	0.00	0.00		
4/30/1968					0.00	0.00	0.00		
5/31/1968					0.00	0.00	0.00		
6/30/1968					0.00	0.00	0.00		
7/31/1968					0.00	0.00	0.00		
8/31/1968					0.00	0.00	0.00		
9/30/1968					0.00	0.00	0.00		
10/31/1968					0.00	0.00	0.00		
11/30/1968					0.00	0.00	0.00		
12/31/1968					0.00	0.00	0.00		
1/31/1969					0.00	0.00	0.00		
2/28/1969					0.00	0.00	0.00		
3/31/1969					0.00	0.00	0.00		
4/30/1969					0.00	0.00	0.00		
5/31/1969					0.00	0.00	0.00		
6/30/1969					0.00	0.00	0.00		

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
7/31/1969					0.00	0.00	0.00		
8/31/1969					0.00	0.00	0.00		
9/30/1969					0.00	0.00	0.00		
10/31/1969					0.00	0.00	0.00		
11/30/1969					0.00	0.00	0.00		
12/31/1969					0.00	0.00	0.00		
1/31/1970					0.00	0.00	0.00		
2/28/1970					0.00	0.00	0.00		
3/31/1970					0.00	0.00	0.00		
4/30/1970					0.00	0.00	0.00		
5/31/1970					0.00	0.00	0.00		
6/30/1970					0.00	0.00	0.00		
7/31/1970					0.00	0.00	0.00		
8/31/1970					0.00	0.00	0.00		
9/30/1970					0.00	0.00	0.00		
10/31/1970					0.00	0.00	0.00		
11/30/1970					0.00	0.00	0.00		
12/31/1970					0.00	0.00	0.00		
1/31/1971					0.00	0.00	0.00		
2/28/1971					0.00	0.00	0.00		
3/31/1971					0.00	0.00	0.00		
4/30/1971					0.00	0.00	0.00		
5/31/1971					0.00	0.00	0.00		
6/30/1971					0.00	0.00	0.00		
7/31/1971					0.00	0.00	0.00		
8/31/1971					0.00	0.00	0.00		
9/30/1971					0.00	0.00	0.00		
10/31/1971					0.00	0.00	0.00		
11/30/1971					0.00	0.00	0.00		
12/31/1971					0.00	0.00	0.00		
1/31/1972					0.00	0.00	0.00		
2/29/1972					0.00	0.00	0.00		
3/31/1972					0.00	0.00	0.00		
4/30/1972					0.00	0.00	0.00		
5/31/1972					0.00	0.00	0.00		
6/30/1972					0.00	0.00	0.00		
7/31/1972					0.00	0.00	0.00		
8/31/1972					0.00	0.00	0.00		
9/30/1972					0.00	0.00	0.00		
10/31/1972					0.00	0.00	0.00		
11/30/1972					0.00	0.00	0.00		
12/31/1972					0.00	0.00	0.00		
1/31/1973					0.00	0.00	0.00		
2/28/1973					0.00	0.00	0.00		
3/31/1973					0.00	0.00	0.00		
4/30/1973					0.00	0.00	0.00		
5/31/1973					0.00	0.00	0.00		
6/30/1973					0.00	0.00	0.00		
7/31/1973					0.00	0.00	0.00		
8/31/1973					0.00	0.00	0.00		
9/30/1973					0.00	0.00	0.00		
10/31/1973					0.00	0.00	0.00		
11/30/1973					0.00	0.00	0.00		
12/31/1973					0.00	0.00	0.00		

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
1/31/1974					0.00	0.00	0.00		
2/28/1974					0.00	0.00	0.00		
3/31/1974					0.00	0.00	0.00		
4/30/1974					0.00	0.00	0.00		
5/31/1974					0.00	0.00	0.00		
6/30/1974					0.00	0.00	0.00		
7/31/1974					0.00	0.00	0.00		
8/31/1974					0.00	0.00	0.00		
9/30/1974					0.00	0.00	0.00		
10/31/1974					0.00	0.00	0.00		
11/30/1974					0.00	0.00	0.00		
12/31/1974					0.00	0.00	0.00		
1/31/1975					0.00	0.00	0.00		
2/28/1975					0.00	0.00	0.00		
3/31/1975					0.00	0.00	0.00		
4/30/1975					0.00	0.00	0.00		
5/31/1975					0.00	0.00	0.00		
6/30/1975					0.00	0.00	0.00		
7/31/1975					0.00	0.00	0.00		
8/31/1975					0.00	0.00	0.00		
9/30/1975					0.00	0.00	0.00		
10/31/1975					0.00	0.00	0.00		
11/30/1975					0.00	0.00	0.00		
12/31/1975					0.00	0.00	0.00		
1/31/1976					0.00	0.00	0.00		
2/29/1976					0.00	0.00	0.00		
3/31/1976					0.00	0.00	0.00		
4/30/1976					0.00	0.00	0.00		
5/31/1976					0.00	0.00	0.00		
6/30/1976					0.00	0.00	0.00		
7/31/1976					0.00	0.00	0.00		
8/31/1976					0.00	0.00	0.00		
9/30/1976					0.00	0.00	0.00		
10/31/1976					0.00	0.00	0.00		
11/30/1976					0.00	0.00	0.00		
12/31/1976					0.00	0.00	0.00		
1/31/1977					0.00	0.00	0.00		
2/28/1977					0.00	0.00	0.00		
3/31/1977					0.00	0.00	0.00		
4/30/1977					0.00	0.00	0.00		
5/31/1977					0.00	0.00	0.00		
6/30/1977					0.00	0.00	0.00		
7/31/1977					0.00	0.00	0.00		
8/31/1977					0.00	0.00	0.00		
9/30/1977					0.00	0.00	0.00		
10/31/1977					0.00	0.00	0.00		
11/30/1977					0.00	0.00	0.00		
12/31/1977					0.00	0.00	0.00		
1/31/1978					0.00	0.00	0.00		
2/28/1978					0.00	0.00	0.00		
3/31/1978					0.00	0.00	0.00		
4/30/1978					0.00	0.00	0.00		
5/31/1978					0.00	0.00	0.00		
6/30/1978					0.00	0.00	0.00		

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
7/31/1978					0.00	0.00	0.00		
8/31/1978					0.00	0.00	0.00		
9/30/1978					0.00	0.00	0.00		
10/31/1978					0.00	0.00	0.00		
11/30/1978					0.00	0.00	0.00		
12/31/1978					0.00	0.00	0.00		
1/31/1979					0.00	0.00	0.00		
2/28/1979					0.00	0.00	0.00		
3/31/1979					0.00	0.00	0.00		
4/30/1979					0.00	0.00	0.00		
5/31/1979					0.00	0.00	0.00		
6/30/1979					0.00	0.00	0.00		
7/31/1979					0.00	0.00	0.00		
8/31/1979					0.00	0.00	0.00		
9/30/1979					0.00	0.00	0.00		
10/31/1979					0.00	0.00	0.00		
11/30/1979					0.00	0.00	0.00		
12/31/1979					0.00	0.00	0.00		
1/31/1980					0.00	0.00	0.00		
2/29/1980					0.00	0.00	0.00		
3/31/1980					0.00	0.00	0.00		
4/30/1980					0.00	0.00	0.00		
5/31/1980					0.00	0.00	0.00		
6/30/1980					0.00	0.00	0.00		
7/31/1980					0.00	0.00	0.00		
8/31/1980					0.00	0.00	0.00		
9/30/1980					0.00	0.00	0.00		
10/31/1980					0.00	0.00	0.00		
11/30/1980					0.00	0.00	0.00		
12/31/1980					0.00	0.00	0.00		
1/31/1981					0.00	0.00	0.00		
2/28/1981					0.00	0.00	0.00		
3/31/1981					0.00	0.00	0.00		
4/30/1981					0.00	0.00	0.00		
5/31/1981					0.00	0.00	0.00		
6/30/1981					0.00	0.00	0.00		
7/31/1981					0.00	0.00	0.00		
8/31/1981					0.00	0.00	0.00		
9/30/1981					0.00	0.00	0.00		
10/31/1981					0.00	0.00	0.00		
11/30/1981					0.00	0.00	0.00		
12/31/1981					0.00	0.00	0.00		
1/31/1982					0.00	0.00	0.00		
2/28/1982					0.00	0.00	0.00		
3/31/1982					0.00	0.00	0.00		
4/30/1982					0.00	0.00	0.00		
5/31/1982					0.00	0.00	0.00		
6/30/1982					0.00	0.00	0.00		
7/31/1982					0.00	0.00	0.00		
8/31/1982					0.00	0.00	0.00		
9/30/1982					0.00	0.00	0.00		
10/31/1982					0.00	0.00	0.00		
11/30/1982					0.00	0.00	0.00		
12/31/1982					0.00	0.00	0.00		

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
1/31/1983					0.00	0.00	0.00		
2/28/1983					0.00	0.00	0.00		
3/31/1983					0.00	0.00	0.00		
4/30/1983					0.00	0.00	0.00		
5/31/1983					0.00	0.00	0.00		
6/30/1983					0.00	0.00	0.00		
7/31/1983					0.00	0.00	0.00		
8/31/1983					0.00	0.00	0.00		
9/30/1983					0.00	0.00	0.00		
10/31/1983					0.00	0.00	0.00		
11/30/1983					0.00	0.00	0.00		
12/31/1983					0.00	0.00	0.00		
1/31/1984					0.00	0.00	0.00		
2/29/1984					0.00	0.00	0.00		
3/31/1984					0.00	0.00	0.00		
4/30/1984					0.00	0.00	0.00		
5/31/1984					0.00	0.00	0.00		
6/30/1984					0.00	0.00	0.00		
7/31/1984					0.00	0.00	0.00		
8/31/1984					0.00	0.00	0.00		
9/30/1984					0.00	0.00	0.00		
10/31/1984					0.00	0.00	0.00		
11/30/1984					0.00	0.00	0.00		
12/31/1984					0.00	0.00	0.00		
1/31/1985					0.00	0.00	0.00		
2/28/1985					0.00	0.00	0.00		
3/31/1985					0.00	0.00	0.00		
4/30/1985					0.00	0.00	0.00		
5/31/1985					0.00	0.00	0.00		
6/30/1985					0.00	0.00	0.00		
7/31/1985					0.00	0.00	0.00		
8/31/1985					0.00	0.00	0.00		
9/30/1985					0.00	0.00	0.00		
10/31/1985					0.00	0.00	0.00		
11/30/1985					0.00	0.00	0.00		
12/31/1985					0.00	0.00	0.00		
1/31/1986					0.00	0.00	0.00		
2/28/1986					0.00	0.00	0.00		
3/31/1986					0.00	0.00	0.00		
4/30/1986					0.00	0.00	0.00		
5/31/1986					0.00	0.00	0.00		
6/30/1986					0.00	0.00	0.00		
7/31/1986					0.00	0.00	0.00		
8/31/1986					0.00	0.00	0.00		
9/30/1986					0.00	0.00	0.00		
10/31/1986					0.00	0.00	0.00		
11/30/1986					0.00	0.00	0.00		
12/31/1986					0.00	0.00	0.00		
1/31/1987					0.00	0.00	0.00		
2/28/1987					0.00	0.00	0.00		
3/31/1987					0.00	0.00	0.00		
4/30/1987					0.00	0.00	0.00		
5/31/1987					0.00	0.00	0.00		
6/30/1987					0.00	0.00	0.00		

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
7/31/1987					0.00	0.00	0.00		
8/31/1987					0.00	0.00	0.00		
9/30/1987					0.00	0.00	0.00		
10/31/1987					0.00	0.00	0.00		
11/30/1987					0.00	0.00	0.00		
12/31/1987					0.00	0.00	0.00		
1/31/1988					0.00	0.00	0.00		
2/29/1988					0.00	0.00	0.00		
3/31/1988					0.00	0.00	0.00		
4/30/1988					0.00	0.00	0.00		
5/31/1988					0.00	0.00	0.00		
6/30/1988					0.00	0.00	0.00		
7/31/1988					0.00	0.00	0.00		
8/31/1988					0.00	0.00	0.00		
9/30/1988					0.00	0.00	0.00		
10/31/1988					0.00	0.00	0.00		
11/30/1988					0.00	0.00	0.00		
12/31/1988					0.00	0.00	0.00		
1/31/1989					0.00	0.00	0.00		
2/28/1989					0.00	0.00	0.00		
3/31/1989					0.00	0.00	0.00		
4/30/1989					0.00	0.00	0.00		
5/31/1989					0.00	0.00	0.00		
6/30/1989					0.00	0.00	0.00		
7/31/1989					0.00	0.00	0.00		
8/31/1989					0.00	0.00	0.00		
9/30/1989					0.00	0.00	0.00		
10/31/1989					0.00	0.00	0.00		
11/30/1989					0.00	0.00	0.00		
12/31/1989					0.00	0.00	0.00		
1/31/1990					0.00	0.00	0.00		
2/28/1990					0.00	0.00	0.00		
3/31/1990					0.00	0.00	0.00		
4/30/1990					0.00	0.00	0.00		
5/31/1990					0.00	0.00	0.00		
6/30/1990					0.00	0.00	0.00		
7/31/1990					0.00	0.00	0.00		
8/31/1990					0.00	0.00	0.00		
9/30/1990					0.00	0.00	0.00		
10/31/1990					0.00	0.00	0.00		
11/30/1990					0.00	0.00	0.00		
12/31/1990					0.00	0.00	0.00		
1/31/1991					0.00	0.00	0.00		
2/28/1991					0.00	0.00	0.00		
3/31/1991					0.00	0.00	0.00		
4/30/1991					0.00	0.00	0.00		
5/31/1991					0.00	0.00	0.00		
6/30/1991					0.00	0.00	0.00		
7/31/1991					0.00	0.00	0.00		
8/31/1991					0.00	0.00	0.00		
9/30/1991					0.00	0.00	0.00		
10/31/1991					0.00	0.00	0.00		
11/30/1991					0.00	0.00	0.00		
12/31/1991					0.00	0.00	0.00		

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
1/31/1992					0.00	0.00	0.00		
2/29/1992					0.00	0.00	0.00		
3/31/1992					0.00	0.00	0.00		
4/30/1992					0.00	0.00	0.00		
5/31/1992					0.00	0.00	0.00		
6/30/1992					0.00	0.00	0.00		
7/31/1992					0.00	0.00	0.00		
8/31/1992					0.00	0.00	0.00		
9/30/1992					0.00	0.00	0.00		
10/31/1992					0.00	0.00	0.00		
11/30/1992					0.00	0.00	0.00		
12/31/1992					0.00	0.00	0.00		
1/31/1993					0.00	0.00	0.00		
2/28/1993					0.00	0.00	0.00		
3/31/1993					0.00	0.00	0.00		
4/30/1993					0.00	0.00	0.00		
5/31/1993					0.00	0.00	0.00		
6/30/1993					0.00	0.00	0.00		
7/31/1993					0.00	0.00	0.00		
8/31/1993					0.00	0.00	0.00		
9/30/1993					0.00	0.00	0.00		
10/31/1993					0.00	0.00	0.00		
11/30/1993					0.00	0.00	0.00		
12/31/1993					0.00	0.00	0.00		
1/31/1994					0.00	0.00	0.00		
2/28/1994					0.00	0.00	0.00		
3/31/1994					0.00	0.00	0.00		
4/30/1994					0.00	0.00	0.00		
5/31/1994					0.00	0.00	0.00		
6/30/1994					0.00	0.00	0.00		
7/31/1994					0.00	0.00	0.00		
8/31/1994					0.00	0.00	0.00		
9/30/1994					0.00	0.00	0.00		
10/31/1994					0.00	0.00	0.00		
11/30/1994					0.00	0.00	0.00		
12/31/1994					0.00	0.00	0.00		
1/31/1995					0.00	0.00	0.00		
2/28/1995					0.00	0.00	0.00		
3/31/1995					0.00	0.00	0.00		
4/30/1995					0.00	0.00	0.00		
5/31/1995					0.00	0.00	0.00		
6/30/1995					0.00	0.00	0.00		
7/31/1995					0.00	0.00	0.00		
8/31/1995					0.00	0.00	0.00		
9/30/1995					0.00	0.00	0.00		
10/31/1995					0.00	0.00	0.00		
11/30/1995					0.00	0.00	0.00		
12/31/1995					0.00	0.00	0.00		
1/31/1996					0.00	0.00	0.00		
2/29/1996					0.00	0.00	0.00		
3/31/1996					0.00	0.00	0.00		
4/30/1996					0.00	0.00	0.00		
5/31/1996					0.00	0.00	0.00		
6/30/1996					0.00	0.00	0.00		

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
7/31/1996					0.00	0.00	0.00		
8/31/1996					0.00	0.00	0.00		
9/30/1996					0.00	0.00	0.00		
10/31/1996					0.00	0.00	0.00		
11/30/1996					0.00	0.00	0.00		
12/31/1996					0.00	0.00	0.00		
1/31/1997					0.00	0.00	0.00		
2/28/1997					0.00	0.00	0.00		
3/31/1997					0.00	0.00	0.00		
4/30/1997					0.00	0.00	0.00		
5/31/1997					0.00	0.00	0.00		
6/30/1997					0.00	0.00	0.00		
7/31/1997					0.00	0.00	0.00		
8/31/1997					0.00	0.00	0.00		
9/30/1997					0.00	0.00	0.00		
10/31/1997					0.00	0.00	0.00		
11/30/1997					0.00	0.00	0.00		
12/31/1997					0.00	0.00	0.00		
1/31/1998					0.00	0.00	0.00		
2/28/1998					0.00	0.00	0.00		
3/31/1998					0.00	0.00	0.00		
4/30/1998					0.00	0.00	0.00		
5/31/1998					0.00	0.00	0.00		
6/30/1998					0.00	0.00	0.00		
7/31/1998					0.00	0.00	0.00		
8/31/1998					0.00	0.00	0.00		
9/30/1998					0.00	0.00	0.00		
10/31/1998					0.00	0.00	0.00		
11/30/1998					0.00	0.00	0.00		
12/31/1998					0.00	0.00	0.00		
1/31/1999					0.00	0.00	0.00		
2/28/1999					0.00	0.00	0.00		
3/31/1999					0.00	0.00	0.00		
4/30/1999					0.00	0.00	0.00		
5/31/1999					0.00	0.00	0.00		
6/30/1999					0.00	0.00	0.00		
7/31/1999					0.00	0.00	0.00		
8/31/1999					0.00	0.00	0.00		
9/30/1999					0.00	0.00	0.00		
10/31/1999					0.00	0.00	0.00		
11/30/1999					0.00	0.00	0.00		
12/31/1999					0.00	0.00	0.00		
1/31/2000					0.00	0.00	0.00		
2/29/2000					0.00	0.00	0.00		
3/31/2000					0.00	0.00	0.00		
4/30/2000					0.00	0.00	0.00		
5/31/2000					0.00	0.00	0.00		
6/30/2000					0.00	0.00	0.00		
7/31/2000					0.00	0.00	0.00		
8/31/2000					0.00	0.00	0.00		
9/30/2000					0.00	0.00	0.00		
10/31/2000					0.00	0.00	0.00		
11/30/2000					0.00	0.00	0.00		
12/31/2000					0.00	0.00	0.00		

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
1/31/2001					0.00	0.00	0.00		
2/28/2001					0.00	0.00	0.00		
3/31/2001					0.00	0.00	0.00		
4/30/2001					0.00	0.00	0.00		
5/31/2001					0.00	0.00	0.00		
6/30/2001					0.00	0.00	0.00		
7/31/2001					0.00	0.00	0.00		
8/31/2001					0.00	0.00	0.00		
9/30/2001					0.00	0.00	0.00		
10/31/2001					0.00	0.00	0.00		
11/30/2001					0.00	0.00	0.00		
12/31/2001					0.00	0.00	0.00		
1/31/2002					0.00	0.00	0.00		
2/28/2002					0.00	0.00	0.00		
3/31/2002					0.00	0.00	0.00		
4/30/2002					0.00	0.00	0.00		
5/31/2002					0.00	0.00	0.00		
6/30/2002					0.00	0.00	0.00		
7/31/2002					0.00	0.00	0.00		
8/31/2002					0.00	0.00	0.00		
9/30/2002					0.00	0.00	0.00		
10/31/2002					0.00	0.00	0.00		
11/30/2002					0.00	0.00	0.00		
12/31/2002					0.00	0.00	0.00		
1/31/2003					0.00	0.00	0.00		
2/28/2003					0.00	0.00	0.00		
3/31/2003					0.00	0.00	0.00		
4/30/2003					0.00	0.00	0.00		
5/31/2003					0.00	0.00	0.00		
6/30/2003					0.00	0.00	0.00		
7/31/2003					0.00	0.00	0.00		
8/31/2003					0.00	0.00	0.00		
9/30/2003					0.00	0.00	0.00		
10/31/2003					0.00	0.00	0.00		
11/30/2003					0.00	0.00	0.00		
12/31/2003					0.00	0.00	0.00		
1/31/2004					0.00	0.00	0.00		
2/29/2004					0.00	0.00	0.00		
3/31/2004					0.00	0.00	0.00		
4/30/2004					0.00	0.00	0.00		
5/31/2004					0.00	0.00	0.00		
6/30/2004					0.00	0.00	0.00		
7/31/2004					0.00	0.00	0.00		
8/31/2004					0.00	0.00	0.00		
9/30/2004					0.00	0.00	0.00		
10/31/2004					0.00	0.00	0.00		
11/30/2004					0.00	0.00	0.00		
12/31/2004					0.00	0.00	0.00		
1/31/2005					0.00	0.00	0.00		
2/28/2005					0.00	0.00	0.00		
3/31/2005					0.00	0.00	0.00		
4/30/2005					0.00	0.00	0.00		
5/31/2005					0.00	0.00	0.00		
6/30/2005					0.00	0.00	0.00		

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
7/31/2005					0.00	0.00	0.00		
8/31/2005					0.00	0.00	0.00		
9/30/2005					0.00	0.00	0.00		
10/31/2005					0.00	0.00	0.00		
11/30/2005					0.00	0.00	0.00		
12/31/2005					0.00	0.00	0.00		
1/31/2006					0.00	0.00	0.00		
2/28/2006	0.10	0.66	6.73		0.00	0.02	0.00	0.000	0.000
3/31/2006	3.92	0.00	0.00		0.12	0.02	0.00	0.000	0.000
4/30/2006	6.01	2.87	0.48		0.30	0.10	0.00	0.000	0.000
5/31/2006	7.61	2.17	0.28		0.54	0.17	0.00	0.000	0.000
6/30/2006	7.26	1.97	0.27		0.76	0.23	0.00	0.000	0.000
7/31/2006	6.79	1.62	0.24		0.97	0.28	0.00	0.000	0.000
8/31/2006	6.58	1.36	0.21		1.17	0.32	0.00	0.000	0.000
9/30/2006	15.28	11.33	0.74		1.63	0.66	0.00	0.000	0.000
10/31/2006	22.46	6.94	0.31		2.33	0.88	0.00	0.000	0.000
11/30/2006	23.48	5.93	0.25		3.03	1.06	0.00	0.000	0.000
12/31/2006	23.27	5.57	0.24		3.75	1.23	0.00	0.000	0.000
1/31/2007	22.55	3.87	0.17		4.45	1.35	0.00	0.000	0.000
2/28/2007	21.37	2.91	0.14		5.05	1.43	0.00	0.000	0.000
3/31/2007	30.64	8.35	0.27		6.00	1.69	0.00	0.000	0.000
4/30/2007	29.16	5.50	0.19		6.88	1.85	0.00	0.000	0.000
5/31/2007	29.52	3.37	0.11		7.79	1.96	0.00	0.000	0.000
6/30/2007	27.40	2.31	0.08		8.61	2.03	0.00	0.000	0.000
7/31/2007	25.03	1.96	0.08		9.39	2.09	0.00	0.000	0.000
8/31/2007	17.68	1.39	0.08		9.94	2.13	0.00	0.000	0.000
9/30/2007	16.32	1.41	0.09		10.43	2.17	0.00	0.000	0.000
10/31/2007	16.25	1.54	0.09		10.93	2.22	0.00	0.000	0.000
11/30/2007	14.39	1.52	0.11		11.36	2.27	0.00	0.000	0.000
12/31/2007	11.11	1.57	0.14		11.71	2.32	0.00	0.000	0.000
1/31/2008	12.69	3.04	0.24		12.10	2.41	0.00	0.000	0.000
2/29/2008	13.95	3.28	0.24		12.50	2.51	0.00	0.000	0.000
3/31/2008	13.10	3.89	0.30		12.91	2.63	0.00	0.000	0.000
4/30/2008	13.39	4.70	0.35		13.31	2.77	0.00	0.000	0.000
5/31/2008	12.45	3.85	0.31		13.70	2.89	0.00	0.000	0.000
6/30/2008	12.41	3.12	0.25		14.07	2.98	0.00	0.000	0.000
7/31/2008	11.75	2.23	0.19		14.43	3.05	0.00	0.000	0.000
8/31/2008	10.70	1.66	0.15		14.77	3.10	0.00	0.000	0.000
9/30/2008	9.05	1.34	0.15		15.04	3.14	0.00	0.000	0.000
10/31/2008	8.15	1.08	0.13		15.29	3.17	0.00	0.000	0.000
11/30/2008	7.30	0.96	0.13		15.51	3.20	0.00	0.000	0.000
12/31/2008	6.16	0.72	0.12		15.70	3.23	0.00	0.000	0.000
1/31/2009	5.57	0.65	0.12		15.87	3.25	0.00	0.000	0.000
2/28/2009	4.85	0.59	0.12		16.01	3.26	0.00	0.000	0.000
3/31/2009	5.97	0.85	0.14		16.19	3.29	0.00	0.000	0.000
4/30/2009	5.52	1.03	0.19		16.36	3.32	0.00	0.000	0.000
5/31/2009	4.65	0.67	0.14		16.50	3.34	0.00	0.000	0.000
6/30/2009	4.28	0.64	0.15		16.63	3.36	0.00	0.000	0.000
7/31/2009	4.58	0.58	0.13		16.77	3.38	0.00	0.000	0.000
8/31/2009	4.03	0.54	0.13		16.90	3.39	0.00	0.000	0.000
9/30/2009	4.38	0.57	0.13		17.03	3.41	0.00	0.000	0.000
10/31/2009	4.47	0.51	0.11		17.17	3.43	0.00	0.000	0.000
11/30/2009	4.36	0.55	0.13		17.30	3.44	0.00	0.000	0.000
12/31/2009	4.20	0.60	0.14		17.43	3.46	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
1/31/2010	4.14	0.55	0.13		17.56	3.48	0.00	0.000	0.000
2/28/2010	4.12	0.49	0.12		17.67	3.49	0.00	0.000	0.000
3/31/2010	4.13	0.50	0.12		17.80	3.51	0.00	0.000	0.000
4/30/2010	4.20	0.51	0.12		17.93	3.52	0.00	0.000	0.000
5/31/2010	4.17	0.58	0.14		18.06	3.54	0.00	0.000	0.000
6/30/2010	4.15	0.62	0.15		18.18	3.56	0.00	0.000	0.000
7/31/2010	3.62	0.56	0.15		18.29	3.58	0.00	0.000	0.000
8/31/2010	3.68	0.53	0.14		18.41	3.59	0.00	0.000	0.000
9/30/2010	3.90	0.50	0.13		18.53	3.61	0.00	0.000	0.000
10/31/2010	3.36	0.30	0.09		18.63	3.62	0.00	0.000	0.000
11/30/2010	3.19	0.35	0.11		18.73	3.63	0.00	0.000	0.000
12/31/2010	2.76	0.35	0.13		18.81	3.64	0.00	0.000	0.000
1/31/2011	2.49	0.30	0.12		18.89	3.65	0.00	0.000	0.000
2/28/2011	2.39	0.24	0.10		18.96	3.66	0.00	0.000	0.000
3/31/2011	2.48	0.27	0.11		19.03	3.66	0.00	0.000	0.000
4/30/2011	2.42	0.30	0.13		19.10	3.67	0.00	0.000	0.000
5/31/2011	1.03	0.16	0.16		19.14	3.68	0.00	0.000	0.000
6/30/2011	0.40	0.07	0.18		19.15	3.68	0.00	0.000	0.000
7/31/2011	1.19	0.16	0.13		19.19	3.68	0.00	0.000	0.000
8/31/2011	1.76	0.20	0.11		19.24	3.69	0.00	0.000	0.000
9/30/2011	2.17	0.38	0.17		19.31	3.70	0.00	0.000	0.000
10/31/2011	2.40	0.41	0.17		19.38	3.71	0.00	0.000	0.000
11/30/2011	1.79	0.19	0.11		19.43	3.72	0.00	0.000	0.000
12/31/2011	2.67	0.51	0.19		19.52	3.74	0.00	0.000	0.000
1/31/2012	2.15	0.40	0.18		19.58	3.75	0.00	0.000	0.000
2/29/2012	2.14	0.54	0.26		19.64	3.76	0.00	0.000	0.000
3/31/2012	1.96	0.53	0.27		19.71	3.78	0.00	0.000	0.000
4/30/2012	2.00	0.51	0.25		19.77	3.80	0.00	0.000	0.000
5/31/2012	1.89	0.31	0.16		19.82	3.81	0.00	0.000	0.000
6/30/2012	1.52	0.45	0.29		19.87	3.82	0.00	0.000	0.000
7/31/2012	2.52	0.63	0.25		19.95	3.84	0.00	0.000	0.000
8/31/2012	1.96	0.49	0.25		20.01	3.85	0.00	0.000	0.000
9/30/2012	2.04	0.55	0.27		20.07	3.87	0.00	0.000	0.000
10/31/2012	1.69	0.48	0.29		20.12	3.88	0.00	0.000	0.000
11/30/2012	1.72	0.48	0.28		20.17	3.90	0.00	0.000	0.000
12/31/2012	1.70	0.49	0.29		20.23	3.91	0.00	0.000	0.000
1/31/2013	1.68	0.52	0.31		20.28	3.93	0.00	0.000	0.000
2/28/2013	1.60	0.58	0.36		20.32	3.95	0.00	0.000	0.000
3/31/2013	1.55	0.55	0.36		20.37	3.96	0.00	0.000	0.000
4/30/2013	1.41	0.51	0.36		20.41	3.98	0.00	0.000	0.000
5/31/2013	1.24	0.46	0.37		20.45	3.99	0.00	0.000	0.000
6/30/2013	1.37	0.46	0.33		20.49	4.01	0.00	0.000	0.000
7/31/2013	0.93	0.28	0.30		20.52	4.02	0.00	0.000	0.000
8/31/2013	1.13	0.29	0.25		20.56	4.02	0.00	0.000	0.000
9/30/2013	1.33	0.45	0.34		20.60	4.04	0.00	0.000	0.000
10/31/2013	1.24	0.33	0.27		20.63	4.05	0.00	0.000	0.000
11/30/2013	0.99	0.22	0.22		20.66	4.06	0.00	0.000	0.000
12/31/2013	1.84	0.62	0.34		20.72	4.07	0.00	0.000	0.000
1/31/2014	1.62	0.53	0.33		20.77	4.09	0.00	0.000	0.000
2/28/2014	1.28	0.38	0.29		20.81	4.10	0.00	0.000	0.000
3/31/2014	1.05	0.26	0.25		20.84	4.11	0.00	0.000	0.000
4/30/2014	1.03	0.31	0.30		20.87	4.12	0.00	0.000	0.000
5/31/2014	0.81	0.32	0.40		20.90	4.13	0.00	0.000	0.000
6/30/2014	0.61	0.28	0.46		20.91	4.14	0.00	0.000	0.000

Date	Oil Rate (CD) m3/d	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Water Inj Rate (CD) m3/d	Cum Oil Prod Km3	Cum Water Prod Km3	Cum Water Inj Km3	VRR	Cum VRR
7/31/2014	0.27	0.11	0.42		20.92	4.14	0.00	0.000	0.000
8/31/2014	1.12	0.49	0.44		20.96	4.16	0.00	0.000	0.000
9/30/2014	1.11	0.44	0.40		20.99	4.17	0.00	0.000	0.000
10/31/2014	1.77	0.62	0.35		21.05	4.19	0.00	0.000	0.000
11/30/2014	1.25	0.47	0.38		21.08	4.20	0.00	0.000	0.000
12/31/2014	3.94	1.14	0.29		21.21	4.24	0.00	0.000	0.000
1/31/2015	1.15	0.53	0.46		21.24	4.25	0.00	0.000	0.000
2/28/2015	1.09	0.57	0.52		21.27	4.27	0.00	0.000	0.000
3/31/2015	1.18	0.74	0.62		21.31	4.29	0.00	0.000	0.000
4/30/2015	1.25	0.85	0.68		21.35	4.32	0.00	0.000	0.000
5/31/2015	1.29	0.85	0.66		21.39	4.34	0.00	0.000	0.000
6/30/2015	1.14	0.82	0.72		21.42	4.37	0.00	0.000	0.000
7/31/2015	1.14	0.83	0.73		21.46	4.40	0.00	0.000	0.000
8/31/2015	1.15	0.86	0.75		21.49	4.42	0.00	0.000	0.000
9/30/2015	0.78	1.06	1.36		21.51	4.45	0.00	0.000	0.000
10/31/2015	0.82	1.21	1.48		21.54	4.49	0.00	0.000	0.000
11/30/2015	0.88	1.26	1.43		21.57	4.53	0.00	0.000	0.000
12/31/2015	0.85	1.14	1.34		21.59	4.56	0.00	0.000	0.000
1/31/2016	0.72	1.00	1.39		21.61	4.60	0.00	0.000	0.000
2/29/2016	0.74	1.06	1.44		21.64	4.63	0.00	0.000	0.000
3/31/2016	0.71	1.05	1.48		21.66	4.66	0.00	0.000	0.000
4/30/2016	0.69	1.02	1.48		21.68	4.69	0.00	0.000	0.000
5/31/2016	0.70	0.97	1.38		21.70	4.72	0.00	0.000	0.000
6/30/2016	0.30	0.34	1.11		21.71	4.73	0.00	0.000	0.000
7/31/2016	0.50	0.54	1.10	22.13	21.72	4.75	0.69	19.117	0.022
8/31/2016	0.54	0.43	0.79	29.74	21.74	4.76	1.61	26.924	0.051
9/30/2016	0.52	0.42	0.81	29.60	21.76	4.77	2.50	27.853	0.079
10/31/2016	0.53	0.47	0.89	28.55	21.77	4.79	3.38	25.215	0.106
11/30/2016	0.52	0.48	0.93	29.73	21.79	4.80	4.27	26.660	0.134
12/31/2016	0.54	0.75	1.38	29.90	21.81	4.82	5.20	21.107	0.163