

MULTIPLE WELL INTERFERENCE TEST
SURROUNDING NATIVE SON 3

(SECTION 33, TOWNSHIP 25 NORTH, RANGE 2 WEST)

CONDUCTED DURING OIL CONSERVATION COMMISSION ORDERED SHUT-IN PERIOD

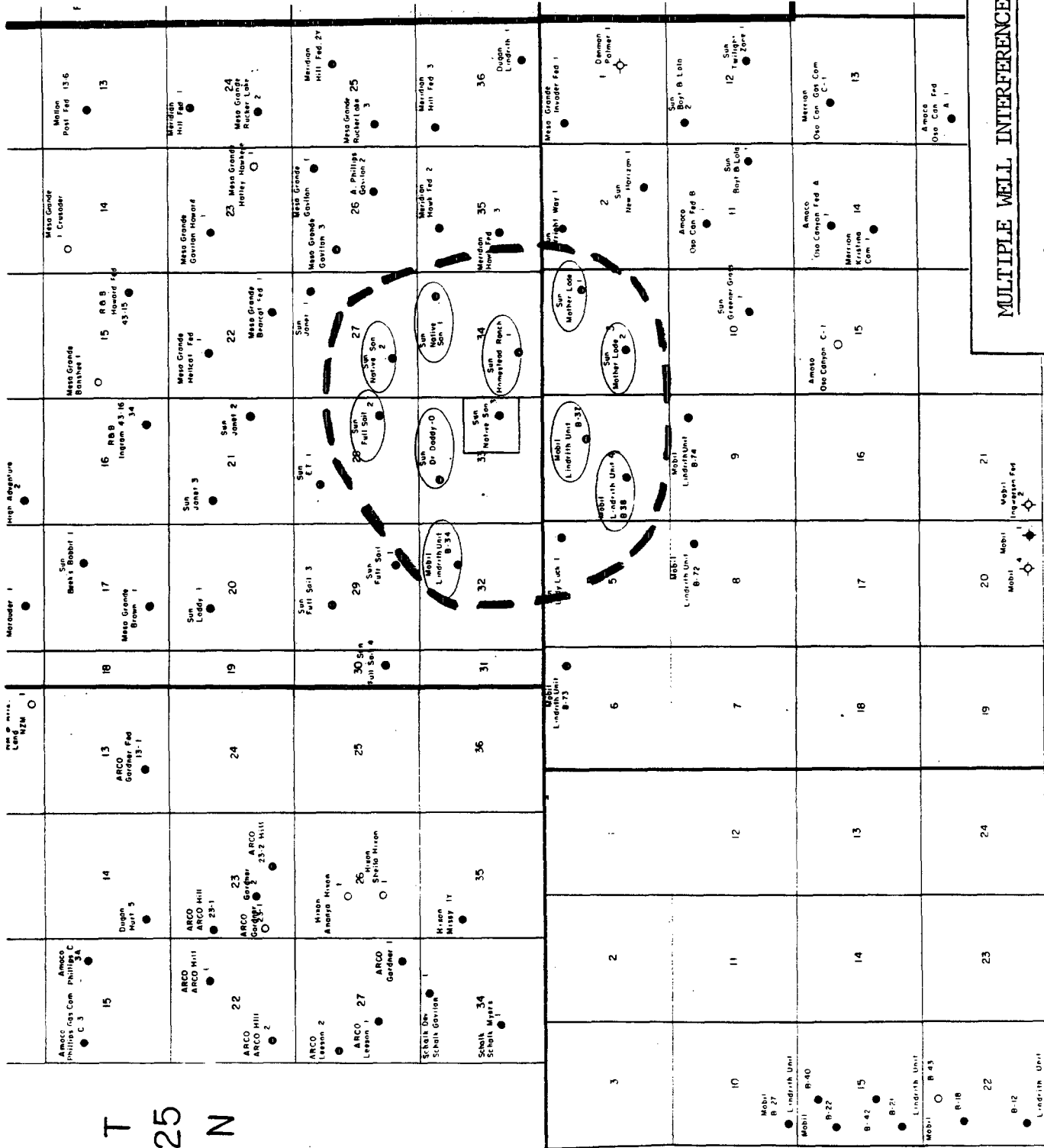
JUNE 27-30, 1987

The circled wells on the facing page in the vicinity of the Native Son 3 were so located and producing at reservoir voidage rates high enough to influence the pressure in the vicinity of the Native Son 3 observation well when these wells were put on production July 1 following the June 27-30 shut in period.

The test indicates average values for Kh/u of 110 darcy feet and a pore volume equivalent of approximately 1100 stock tank barrels per acre as shown on the following pages.

The dominant well in the test (Homestead Ranch #2) showed a GOR of approximately 11,000; and the weighted average of the wells is approximately 14,000. For this range of GOR's, the ratio of Koh to total mobility (as shown on the green graph in this section) approximates .02 to .03 percent, which means transmissibility, Koh, of 2 to 3 darcy feet.

Note: The Lady Luck well in Section 5 (inside circle on the Facing plat) didn't produce until the 4th day, and then at only a low rate. Its production would be of no effect, and was omitted from the calculations.



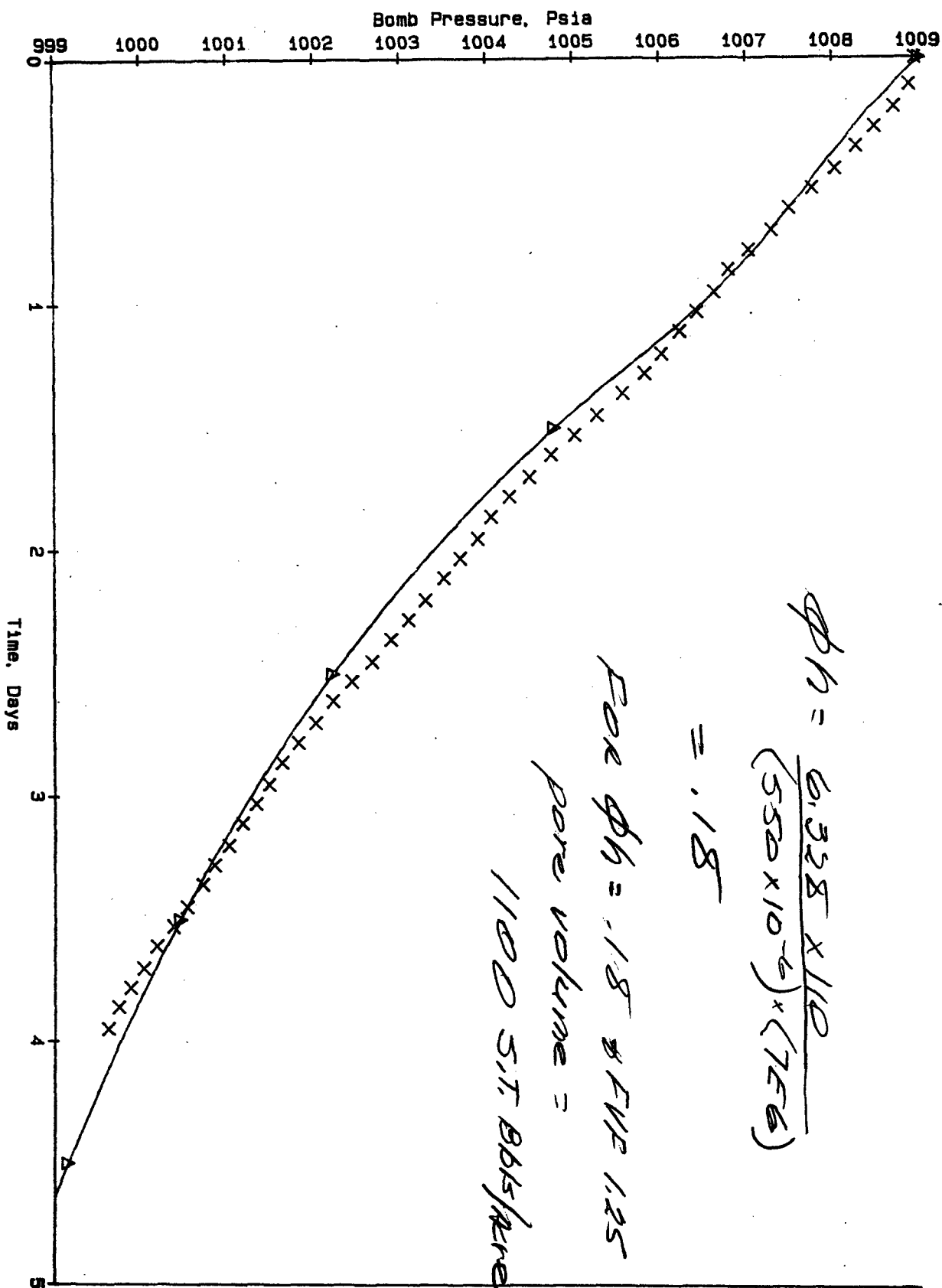
MULTIPLE WELL INTERFERENCE TEST

JULY 1987
NATIVE SON 3 OBSERVATION WELL

R 2 W

R 3 W

JULY 4 1987 INTERFERENCE TEST
 OBSERVATION WELL: NATIVE SON 3
 X SRC RUN #1161. (FILE RUN1161)
 Δ KH/U = 110, n = 7E6 (11W24)



$$\phi h = \frac{6.328 \times 110}{(550 \times 10^{-6}) \times (7E6)}$$

$$= .18$$

ITW 845 THE COMPUTATION OF PRESSURE RESPONSE IN AN OBSERVATION WELL OF MULTIPLE SOURCE WELLS PRODUCED AT VARIABLE RATES

(E1 SOLUTION BY SUPERPOSITION)

OBSERVATION WELL 1 NATIVE SON 3

dc=diffusivity constant=6.328K/(a)(c)(u) aporosity=fracture c=compressibility u=viscosity,cp k=permeability,darcys

	B-34	B-37	B-38	DADDY-O	FS 2	HSR 2	MS 2	ML 1	ML 2	MS 1	MS 3	PROD-WELL 1	PROD-WELL 2	PROD-WELL 3	PROD-WELL 4	PROD-WELL 5	PROD-WELL 6	PROD-WELL 7	PROD-WELL 8	PROD-WELL 9	PROD-WELL 10	PROD-WELL 11	PROD-WELL 12	PROD-WELL 13	PROD-WELL 14	PROD-WELL 15
The Value of u (cp) is	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
The Value of B (FVF) is	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
The Value of Kh (Darcys) is	110.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00
The Value of n (dc) is	7000000	7000000	7000000	7000000	7000000	7000000	7000000	7000000	7000000	7000000	7000000	7000000	7000000	7000000	7000000	7000000	7000000	7000000	7000000	7000000	7000000	7000000	7000000	7000000	7000000	7000000
The Value of r (ft-well) is	6757.00	3849.00	5903.00	3450.00	5080.00	2776.00	5084.00	6321.00	5903.00	5725.00	100.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	PROD-WELL 1	PROD-WELL 2	PROD-WELL 3	PROD-WELL 4	PROD-WELL 5	PROD-WELL 6	PROD-WELL 7	PROD-WELL 8	PROD-WELL 9	PROD-WELL 10	PROD-WELL 11	PROD-WELL 12	PROD-WELL 13	PROD-WELL 14	PROD-WELL 15
TIME INCREMENT DAY	1	25	75	912	1407	940	1140	2850	3570	3725	1615	3160	2200	0	0
2 10	85	1407	940	1140	2850	3570	3725	1615	3160	2105	2200	0	0	0	0
3 5	100	1407	940	1140	2850	3570	3725	1615	3160	2105	0	0	0	0	0
4 1	104	1407	940	1140	2850	3570	3725	1615	3160	2105	0	0	0	0	0
5 .5	109	1407	940	1140	2850	3570	3725	1615	3160	2105	0	0	0	0	0

The Beginning Pressure is 1053.39
The Input Variable File Name is WARS
The Output File name is ITW-744

TIME SINCE PROD START (DAYS)	988.63	988.37	982.30	980.42	972.23	972.40	972.20	972.14	972.08	972.01	971.94	971.91	971.87	971.83	971.80	971.76	971.72	971.68	971.64	971.61	971.57
PRESSURE RESPONSE (PSI)	-1.30	-1.69	-1.92	-1.99	-2.02	-2.05	-2.08	-2.09	-2.10	-2.10	-2.11	-2.11	-2.11	-2.11	-2.12	-2.12	-2.12	-2.12	-2.13	-2.13	-2.13
WELL 1 (PSI)	-1.49	-1.90	-2.14	-2.21	-2.24	-2.28	-2.31	-2.32	-2.32	-2.32	-2.33	-2.33	-2.34	-2.34	-2.34	-2.34	-2.34	-2.35	-2.35	-2.35	-2.36
WELL 2 (PSI)	-2.98	-3.60	-3.96	-4.07	-4.12	-4.17	-4.22	-4.23	-4.24	-4.24	-4.25	-4.26	-4.26	-4.27	-4.27	-4.27	-4.28	-4.28	-4.29	-4.29	-4.30
WELL 3 (PSI)	-2.49	-2.99	-3.29	-3.38	-3.42	-3.46	-3.50	-3.51	-3.52	-3.52	-3.53	-3.53	-3.53	-3.54	-3.54	-3.54	-3.54	-3.55	-3.55	-3.55	-3.56
WELL 4 (PSI)	-5.05	-6.28	-7.02	-7.24	-7.35	-7.44	-7.54	-7.55	-7.57	-7.59	-7.61	-7.62	-7.62	-7.63	-7.64	-7.65	-7.66	-7.67	-7.68	-7.68	-7.69
WELL 5 (PSI)	-9.04	-10.61	-11.54	-11.82	-11.95	-12.08	-12.20	-12.22	-12.24	-12.26	-12.29	-12.30	-12.31	-12.32	-12.33	-12.34	-12.35	-12.36	-12.37	-12.37	-12.39
WELL 6 (PSI)	-6.60	-8.21	-9.17	-9.46	-9.60	-9.72	-9.85	-9.87	-9.89	-9.92	-9.94	-9.95	-9.96	-9.97	-9.98	-10.00	-10.01	-10.02	-10.03	-10.04	-10.05
WELL 7 (PSI)	-2.43	-3.12	-3.53	-3.66	-3.71	-3.77	-3.82	-3.83	-3.84	-3.85	-3.86	-3.87	-3.87	-3.88	-3.88	-3.89	-3.89	-3.90	-3.90	-3.91	-3.91
WELL 8 (PSI)	-3.02	-4.33	-7.18	-7.43	-7.54	-7.65	-7.75	-7.77	-7.79	-7.81	-7.83	-7.84	-7.85	-7.86	-7.87	-7.88	-7.89	-7.90	-7.91	-7.92	-7.93
WELL 9 (PSI)	-3.42	-5.15	-5.03	-5.11	-5.18	-5.25	-5.28	-5.29	-5.30	-5.31	-5.31	-5.31	-5.31	-5.32	-5.32	-5.33	-5.34	-5.34	-5.35	-5.35	-5.36
WELL 10 (PSI)	-14.94	-15.92	-16.49	-16.67	-16.81	-16.94	-17.06	-17.17	-17.27	-17.36	-17.44	-17.51	-17.57	-17.62	-17.66	-17.70	-17.73	-17.76	-17.79	-17.81	-17.83
WELL 11 (PSI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WELL 12 (PSI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WELL 13 (PSI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WELL 14 (PSI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WELL 15 (PSI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

NET INFLUENCE AT 5 DAYS OF PRODUCTION OF EACH OBSERVATION WELL

ON OBSERVATION WELL NATIVE SON 3

(ALL WELLS SHUT IN JUNE 27 TO JULY 1, 1987, PRODUCTION COMMENCED JULY 1, 1987)

Pressure change 104th to 109th day if wells not shut in on 104th days (this printout):

-0.37 -0.03 -0.05 -0.03 -0.04 -0.08 -0.10 -0.11 -0.05 -0.10 -0.06 -0.26

Pressure change 104th to 109th day with wells shut in 100th to 104th day, then producing 104th to 109th day (ITW-74):

+10.41 -0.16 -0.98 -0.26 -0.86 -1.18 -3.78 -1.54 -0.37 -0.89 -0.65 -0.26

Total

Change:

Percent

10.02 +0.13 +0.93 +0.23 +0.82 +0.10 +0.68 +0.43 +0.32 +0.79 +0.59 0

100 1 9 2 8 11 37 14 3 8 6 0

dc=diffusivity constant,d.328K/(a)(c)(u) a=porosity,fraction c=compressibility u=viscosity,cp k=permeability,darcys

	B-34 PRO-Well 1	B-37 PRO-Well 2	B-38 PRO-Well 3	MADBY-0 PRO-Well 4	FS 2 PRO-Well 5	HSE 2 PRO-Well 6	NL 1 PRO-Well 8	NL 2 PRO-Well 9	MS 1 PRO-Well 10	MS 3 PRO-Well 11	PRO-Well 12	PRO-Well 13	PRO-Well 14	PRO-Well 15
The Value of u (cp)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00
The Value of B (FVF)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00
The Value of k (Darcy's)	110.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00	110.00	0.00	0.00	0.00	0.00
The Value of n (dc)	7000000	7000000	7000000	7000000	7000000	7000000	7000000	7000000	7000000	7000000	0	0	0	0
The Value of r (ft-well)	6757.00	3849.00	5903.00	3650.00	5080.00	2776.00	5084.00	5903.00	5725.00	100.00	0.00	0.00	0.00	0.00

PRODUCTION RATE IN BARRELS PER DAY

TIME	ENDING DAY	PRODUCTION RATE IN BARRELS PER DAY														
INCREMENT		PRO-BELL 1	PRO-BELL 2	PRO-BELL 3	PRO-BELL 4	PRO-BELL 5	PRO-BELL 6	PRO-BELL 7	PRO-BELL 8	PRO-BELL 9	PRO-BELL 10	PRO-BELL 11	PRO-BELL 12	PRO-BELL 13	PRO-BELL 14	PRO-BELL 15
1 25	75	912	1407	940	1140	2850	3570	3725	1615	3160	2105	2200	0	0	0	0
2 10	85	912	1407	940	1140	2850	3570	3725	1615	3160	2105	2200	0	0	0	0
3 5	100	912	1407	940	1140	2850	3570	3725	1615	3160	2105	0	0	0	0	0
4 1	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 .5	109	912	1407	940	1140	2850	3570	3725	1615	3160	2105	0	0	0	0	0

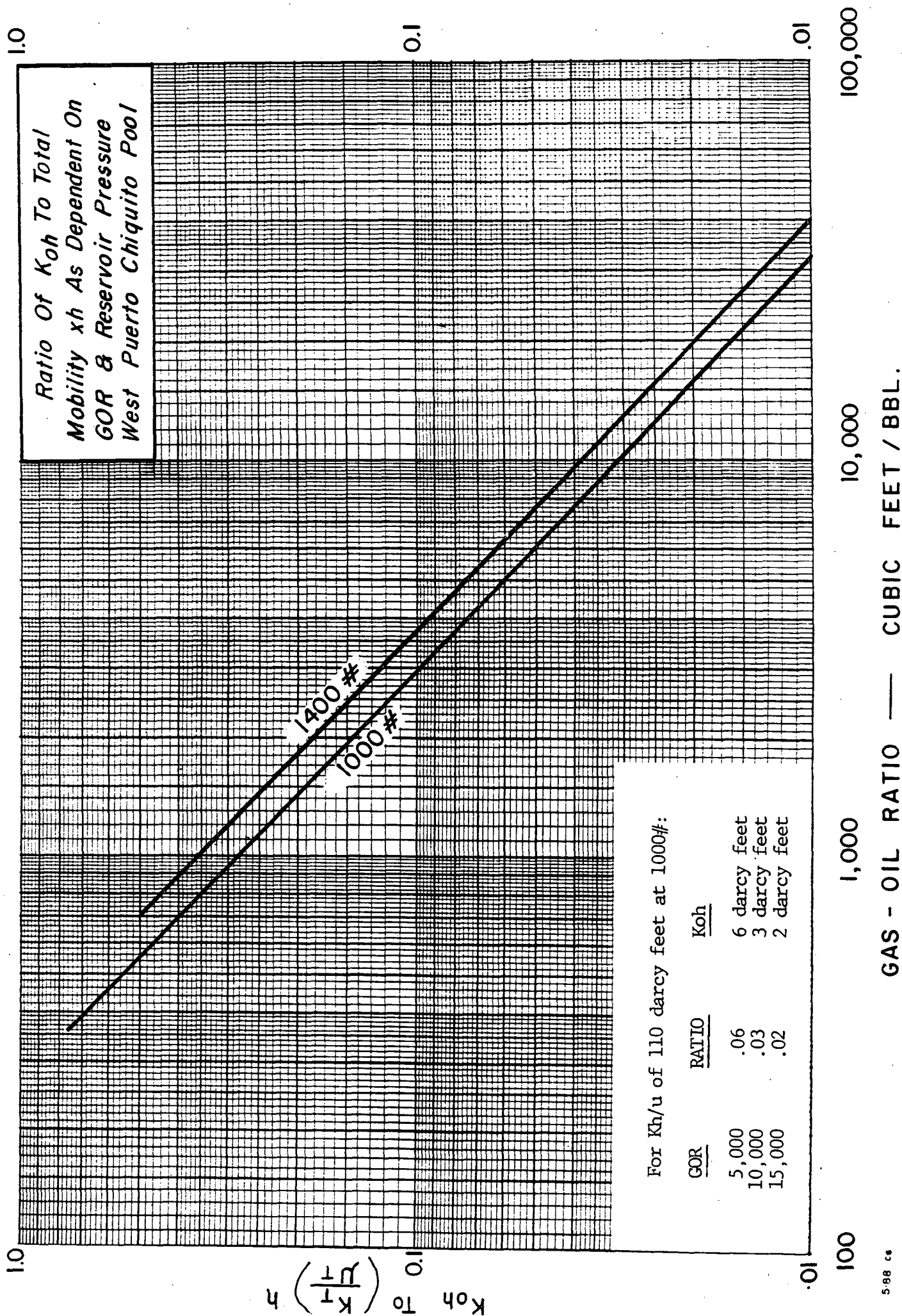
The Beginning Pressure is 1053.38
The Input Variable File Name is VMO5
The Output File Name is ITR.74

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The Beginning Pressure is 1055.38
The Input Variable File Name is VAR5
The Output File name is ITW.74
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OBSERVATION WELL

-SHARE OF PRESSURE RESPONSE IN OBSERVATION WELL DUE TO EACH SOURCE WELL

TIME SINCE PROD START (DAYS)	OBSERVATION WELL					SHARE OF PRESSURE RESPONSE IN OBSERVATION WELL DURING TO EACH SQUIRE WELL														
	PRESSURE RESPONSE at DAY (PSI)	PRESSURE WELL 1 (PSI)	PRESSURE WELL 2 (PSI)	PRESSURE WELL 3 (PSI)	PRESSURE WELL 4 (PSI)	PRESSURE WELL 5 (PSI)	PRESSURE WELL 6 (PSI)	PRESSURE WELL 7 (PSI)	PRESSURE WELL 8 (PSI)	PRESSURE WELL 9 (PSI)	PRESSURE WELL 10 (PSI)	PRESSURE WELL 11 (PSI)	PRESSURE WELL 12 (PSI)	PRESSURE WELL 13 (PSI)	PRESSURE WELL 14 (PSI)	PRESSURE WELL 15 (PSI)				
25.00	998.63	-1.30	-2.98	-1.49	-2.49	-5.05	-9.04	-6.60	-2.43	-5.02	-3.42	-14.94	0.00	0.00	0.00	0.00				
50.00	988.37	-1.69	-3.60	-1.90	-2.99	-6.28	-10.61	-8.21	-3.12	-6.37	-4.33	-15.92	0.00	0.00	0.00	0.00				
75.00	982.30	-1.92	-3.96	-2.14	-3.29	-7.02	-11.54	-9.17	-3.33	-7.18	-4.86	-16.49	0.00	0.00	0.00	0.00				
85.00	980.42	-1.99	-4.07	-2.21	-3.38	-7.24	-11.82	-9.46	-3.66	-7.43	-5.03	-16.67	0.00	0.00	0.00	0.00				
90.00	972.23	-2.02	-4.12	-2.24	-3.42	-7.33	-11.95	-9.60	-3.71	-7.54	-5.11	-4.08	0.00	0.00	0.00	0.00				
95.00	992.40	-2.05	-4.17	-2.28	-3.46	-7.44	-12.08	-9.72	-3.77	-7.65	-5.18	-3.18	0.00	0.00	0.00	0.00				
100.00	992.20	-2.08	-4.22	-2.31	-3.50	-7.54	-12.20	-9.85	-3.82	-7.75	-5.25	-2.68	0.00	0.00	0.00	0.00				
101.00	997.11	-2.04	-3.75	-2.22	-3.07	-7.10	-9.99	-9.27	-3.72	-7.47	-5.04	-2.60	0.00	0.00	0.00	0.00				
102.00	1002.21	-1.92	-3.33	-2.06	-2.72	-6.46	-8.71	-8.44	-3.46	-6.91	-4.64	-2.53	0.00	0.00	0.00	0.00				
103.00	1006.02	-1.80	-3.05	-1.91	-2.48	-5.96	-7.91	-7.80	-3.24	-6.44	-4.31	-2.46	0.00	0.00	0.00	0.00				
104.00	1009.00	-1.70	-2.83	-1.80	-2.30	-5.58	-7.32	-7.29	-3.05	-6.03	-4.03	-2.40	0.00	0.00	0.00	0.00				
104.50	1008.38	-1.66	-2.92	-1.76	-2.40	-5.53	-8.23	-7.22	-2.99	-5.93	-3.98	-2.37	0.00	0.00	0.00	0.00				
105.00	1004.48	-1.66	-3.14	-1.79	-2.60	-5.72	-9.08	-7.48	-3.01	-6.03	-4.06	-2.34	0.00	0.00	0.00	0.00				
105.30	1004.77	-1.69	-3.30	-1.84	-2.74	-5.93	-9.63	-7.75	-3.07	-6.18	-4.17	-2.31	0.00	0.00	0.00	0.00				
106.00	1003.36	-1.72	-3.42	-1.88	-2.84	-6.12	-10.01	-7.99	-3.14	-6.33	-4.28	-2.29	0.00	0.00	0.00	0.00				
106.50	1002.21	-1.75	-3.52	-1.92	-2.92	-6.27	-10.30	-8.19	-3.20	-6.47	-4.37	-2.26	0.00	0.00	0.00	0.00				
107.00	1001.25	-1.78	-3.60	-1.96	-3.00	-6.40	-10.52	-8.36	-3.25	-6.59	-4.45	-2.23	0.00	0.00	0.00	0.00				
107.50	1000.44	-1.80	-3.66	-1.99	-3.04	-6.51	-10.71	-8.50	-3.30	-6.69	-4.53	-2.21	0.00	0.00	0.00	0.00				
108.00	999.75	-1.82	-3.72	-2.02	-3.09	-6.60	-10.86	-8.62	-3.34	-6.78	-4.59	-2.18	0.00	0.00	0.00	0.00				
108.50	999.15	-1.84	-3.76	-2.04	-3.12	-6.68	-10.99	-8.73	-3.38	-6.86	-4.65	-2.16	0.00	0.00	0.00	0.00				
109.00	998.62	-1.86	-3.81	-2.06	-3.16	-6.76	-11.10	-8.83	-3.42	-6.94	-4.70	-2.14	0.00	0.00	0.00	0.00				



MULTIPLE WELL INTERFERENCE TEST
OBSERVATION WELL: NATIVE SON 3
JULY 1987

	Lindrith B-34	Lindrith B-37	Lindrith B-38	Daddy-O	Full Sail 2	Homestead Ranch 2	Native Son 2	Mother Lode 1	Mother Lode 2	Native Son 1	Lady Luck 1
	Oil Gas	Oil Gas	Oil Gas	Oil Gas	Oil Gas	Oil Gas	Oil Gas	Oil Gas	Oil Gas	Oil Gas	Oil Gas
July 1 (start)	8:45 AM	8:15 AM	8:00 AM	9:25 AM	8:50 AM	8:30 AM	8:00 AM	8:00 AM	8:50 AM	9:30 AM	0
July 2	51 203	43 268	4 244	82 282	40 796	76 934	181 962	34 436	20 818	100 564	0
July 3	48 244	107 373	2 276	82 282	40 796	76 934	181 962	34 436	20 818	100 564	0
July 4	91 228	41 428	1 226	60 305	32 704	96 1168	189 979	20 462	26 934	93 644	87 156
July 5	26 253	45 397	6 281	80 276	40 783	100 769	178 940	15 407	25 868	89 409	80 136
	216 928	236 1466	13 1027	304 1145	152 3079	348 3805	729 3843	103 1844	91 3438	382 2181	167 292

Average GOR's (MCF/Bbl) 4.30 6.21 79 3.77 20.2 10.9 5.27 17.9 37.8 5.71 1.7

Reservoir Rates (BOPD)

July 1	0	0	0	0	0	0	0	0	0	0	0
July 2	803	1030	893	1130	2950	3500	3730	1630	3000	2180	0
July 3	948	1490	1010	1130	2950	3500	3730	1630	3000	2180	0
July 4	944	1610	824	1180	2600	4370	3800	1700	3430	2460	680
July 5	953	1500	1030	1105	2900	2920	3640	1500	3200	1600	595
Average	912	1407	940	1140	2850	3570	3725	1615	3160	2105	-

GOR's Weighted on Gas Production x (1/Distance)² (Except for Native Son #2, use 1/2 of average distance to offsets divided $\sqrt{2} = 1250$) NS 3

Average Gas Rate (MCF/D)	232	367	257	286	770	951	961	461	860	545	600
Distance (NS3)	6757	3849	5903	3650	5080	2776	5084	6321	5903	5725	1.250
GOR	4.30	6.21	79	3.77	20.2	10.9	5.27	17.9	37.8	5.71	46.6

14.0 = weighted average GOR

DATE: 6/30/87
GAUGE SN #70057
WELL # 0
TEST # 1161

COMPANY: BMG
CLIENT: Sun
WELL NAME: Native Son #3
TEST OPERATOR: MD
LOCATION:
COMMENTS: BHP @ 6990' RKB

DATA FILE: 1

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE °F
1	11:46: 0	0.000	6466.34		76.64
2	12:46: 0	1.000	12644.69	7.33	
3	13:46: 0	2.000	6573.13		85.96
4	14:46: 0	3.000	12648.04	13.81	
5	15:46: 0	4.000	6592.75		87.17
6	16:46: 0	5.000	12647.19	13.04	
7	17:46: 0	6.000	6729.08		98.55
8	18:46: 0	7.000	12644.41	12.29	
9	19:46: 0	8.000	6505.22		79.88
10	20:46: 0	9.000	12649.92	14.71	
11	21:46: 0	10.000	6368.90		68.52
12	22:46: 0	11.000	13332.05	980.04	
13	23:46: 0	12.000	7594.83		171.13
14	0:46: 0	13.000	13332.36	1006.08	
15	1:46: 0	14.000	7595.41		171.18
16	2:46: 0	15.000	13332.78	1006.76	
17	3:46: 0	16.000	7595.52		171.19
18	4:46: 0	17.000	13333.20	1007.42	
19	5:46: 0	18.000	7595.65		171.20
20	6:46: 0	19.000	13333.61	1008.06	
21	7:46: 0	20.000	7595.78		171.21
22	7:49: 0	20.050	7595.75		171.21
23	7:52: 0	20.100	13333.84	1008.42	
24	7:55: 0	20.150	7595.80		171.22
25	7:58: 0	20.200	13333.86	1008.46	
26	8: 1: 0	20.250	7595.78		171.21
27	8: 4: 0	20.300	13333.88	1008.50	
28	8: 7: 0	20.350	7595.79		171.21
29	8:10: 0	20.400	13333.90	1008.52	
30	8:13: 0	20.450	7595.85		171.22
31	8:16: 0	20.500	13333.92	1008.56	
32	8:19: 0	20.550	7595.79		171.21
33	8:22: 0	20.600	13333.94	1008.58	
34	8:25: 0	20.650	7595.91		171.22
35	8:28: 0	20.700	13333.96	1008.61	
36	8:31: 0	20.750	7595.87		171.22
37	8:34: 0	20.800	13333.98	1008.65	
38	8:37: 0	20.850	7595.85		171.22
39	8:40: 0	20.900	13334.00	1008.67	
40	8:43: 0	20.950	7595.82		171.22
41	8:46: 0	21.000	13334.02	1008.72	
42	8:49: 0	21.050	7595.86		171.22
43	8:52: 0	21.100	13334.04	1008.74	
44	8:55: 0	21.150	7595.87		171.22
45	8:58: 0	21.200	13334.06	1008.77	
46	9: 1: 0	21.250	7595.87		171.22
47	9: 4: 0	21.300	13334.08	1008.80	
48	9: 7: 0	21.350	7595.88		171.22
49	9:10: 0	21.400	13334.09	1008.82	
50	9:13: 0	21.450	7595.83		171.22

DATE: 7/ 1/87
GAUGE SN #70057
WELL # 0
TEST # 1161

DATA FILE: 1

COMPANY: BMG
CLIENT: Sun
WELL NAME: Native Son #3
TEST OPERATOR: MD
LOCATION:
COMMENTS: 2HP @ 6390' RKB

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	9:16: 0	21.500	13334.10	1008.84	
52	9:19: 0	21.550	7595.89		171.23
53	9:22: 0	21.600	13334.12	1008.97	
54	9:25: 0	21.650	7595.98		171.22
55	9:28: 0	21.700	13334.13	1008.86	
56	9:31: 0	21.750	7595.89		171.22
57	9:34: 0	21.800	13334.14	1008.90	
58	9:37: 0	21.850	7595.92		171.22
59	9:40: 0	21.900	13334.15	1008.91	
60	9:43: 0	21.950	7595.84		171.23
61	9:46: 0	22.000	13334.16	1008.93	
62	9:49: 0	22.050	7595.92		171.22
63	9:52: 0	22.100	13334.16	1008.94	
64	9:55: 0	22.150	7595.94		171.23
65	9:58: 0	22.200	13334.17	1008.95	
66	10: 1: 0	22.250	7595.93		171.23
67	10: 4: 0	22.300	13334.18	1008.96	
68	10: 7: 0	22.350	7595.94		171.23
69	10:10: 0	22.400	13334.18	1008.96	
70	10:13: 0	22.450	7595.90		171.22
71	10:16: 0	22.500	13334.19	1008.97	
72	10:19: 0	22.550	7595.89		171.22
73	10:22: 0	22.600	13334.19	1008.97	
74	10:25: 0	22.650	7595.95		171.23
75	10:28: 0	22.700	13334.19	1008.98	
76	10:31: 0	22.750	7595.92		171.22
77	10:34: 0	22.800	13334.19	1008.97	
78	10:37: 0	22.850	7595.94		171.23
79	10:40: 0	22.900	13334.20	1008.99	
80	10:43: 0	22.950	7595.98		171.23
81	10:46: 0	23.000	13334.19	1008.98	
82	10:49: 0	23.050	7595.93		171.23
83	10:52: 0	23.100	13334.19	1008.98	
84	10:55: 0	23.150	7595.93		171.23
85	10:58: 0	23.200	13334.19	1008.98	
86	11: 1: 0	23.250	7596.01		171.23
87	11: 4: 0	23.300	13334.19	1008.97	
88	11: 7: 0	23.350	7595.94		171.23
89	11:10: 0	23.400	13334.19	1008.97	
90	11:13: 0	23.450	7595.92		171.22
91	11:16: 0	23.500	13334.19	1008.97	
92	11:19: 0	23.550	7595.94		171.23
93	11:22: 0	23.600	13334.19	1008.97	
94	11:25: 0	23.650	7595.94		171.23
95	11:28: 0	23.700	13334.18	1008.96	
96	11:31: 0	23.750	7595.91		171.22
97	11:34: 0	23.800	13334.19	1008.97	
98	11:37: 0	23.850	7595.89		171.22
99	11:40: 0	23.900	13334.18	1008.96	
100	11:43: 0	23.950	7595.88		171.22

DATE: 7/ 1/87
GAUGE SN #70057
WELL # 0
TEST # 1161

DATA FILE: 2

COMPANY: BMG
CLIENT: Sun
WELL NAME: Native Son #3
TEST OPERATOR: MD
LOCATION:
COMMENTS: BHP @ 6990' RKB

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE °F
1	11:46: 0	24.000	13334.17	1008.95	
2	11:49: 0	24.050	7595.82		171.22
3	11:52: 0	24.100	13334.17	1009.95	
4	11:55: 0	24.150	7595.81		171.22
5	11:58: 0	24.200	13334.17	1008.95	
6	12: 1: 0	24.250	7595.88		171.22
7	12: 4: 0	24.300	13334.17	1008.95	
8	12: 7: 0	24.350	7595.88		171.22
9	12:10: 0	24.400	13334.16	1008.94	
10	12:13: 0	24.450	7595.95		171.23
11	12:16: 0	24.500	13334.16	1008.93	
12	12:19: 0	24.550	7595.94		171.23
13	12:22: 0	24.600	13334.15	1008.92	
14	12:25: 0	24.650	7595.93		171.23
15	12:28: 0	24.700	13334.15	1008.92	
16	12:31: 0	24.750	7595.90		171.22
17	12:34: 0	24.800	13334.15	1008.92	
18	12:37: 0	24.850	7595.89		171.22
19	12:40: 0	24.900	13334.15	1008.91	
20	12:43: 0	24.950	7595.88		171.22
21	12:46: 0	25.000	13334.14	1008.89	
22	12:49: 0	25.050	7595.87		171.22
23	12:52: 0	25.100	13334.14	1008.89	
24	12:55: 0	25.150	7595.91		171.22
25	12:58: 0	25.200	13334.13	1008.88	
26	13: 1: 0	25.250	7595.94		171.23
27	13: 4: 0	25.300	13334.12	1008.87	
28	13: 7: 0	25.350	7595.88		171.22
29	13:10: 0	25.400	13334.11	1008.86	
30	13:13: 0	25.450	7595.89		171.22
31	13:16: 0	25.500	13334.11	1008.86	
32	13:19: 0	25.550	7595.90		171.22
33	13:22: 0	25.600	13334.11	1008.85	
34	13:25: 0	25.650	7595.90		171.22
35	13:28: 0	25.700	13334.10	1008.84	
36	13:31: 0	25.750	7595.96		171.23
37	13:34: 0	25.800	13334.10	1008.83	
38	13:37: 0	25.850	7595.91		171.22
39	13:40: 0	25.900	13334.09	1008.82	
40	13:43: 0	25.950	7595.93		171.23
41	13:46: 0	26.000	13334.08	1008.81	
42	13:49: 0	26.050	7595.95		171.23
43	13:52: 0	26.100	13334.07	1008.80	
44	13:55: 0	26.150	7595.90		171.22
45	13:58: 0	26.200	13334.08	1008.81	
46	14: 1: 0	26.250	7595.94		171.23
47	14: 4: 0	26.300	13334.07	1008.79	
48	14: 7: 0	26.350	7595.93		171.23
49	14:10: 0	26.400	13334.06	1008.77	
50	14:13: 0	26.450	7595.93		171.23

DATE: 7/ 1/87
GAUGE SN #70057
WELL # 0
TEST # 1161

DATA FILE: 2

COMPANY: BMG
CLIENT: Sun
WELL NAME: Native Son #3
TEST OPERATOR: MO
LOCATION:
COMMENTS: BHP @ 8990' RKB

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE °F
51	14:16: 0	26.500	13334.05	1008.75	
52	14:19: 0	26.550	7595.89		171.23
53	14:22: 0	26.600	13334.05	1008.75	
54	14:25: 0	26.650	7595.91		171.22
55	14:28: 0	26.700	13334.04	1008.74	
56	14:31: 0	26.750	7595.87		171.22
57	14:34: 0	26.800	13334.03	1008.73	
58	14:37: 0	26.850	7595.91		171.22
59	14:40: 0	26.900	13334.02	1008.72	
60	14:43: 0	26.950	7595.89		171.22
61	14:46: 0	27.000	13334.02	1008.71	
62	14:49: 0	27.050	7595.89		171.22
63	14:52: 0	27.100	13334.01	1008.70	
64	14:55: 0	27.150	7595.92		171.22
65	14:58: 0	27.200	13334.01	1008.69	
66	15: 1: 0	27.250	7595.89		171.22
67	15: 4: 0	27.300	13334.00	1008.67	
68	15: 7: 0	27.350	7595.92		171.22
69	15:10: 0	27.400	13333.99	1008.67	
70	15:13: 0	27.450	7595.90		171.22
71	15:16: 0	27.500	13333.98	1008.66	
72	15:19: 0	27.550	7595.88		171.22
73	15:22: 0	27.600	13333.98	1008.65	
74	15:25: 0	27.650	7595.87		171.22
75	15:28: 0	27.700	13333.97	1008.64	
76	15:31: 0	27.750	7595.92		171.22
77	15:34: 0	27.800	13333.96	1008.62	
78	15:37: 0	27.850	7595.91		171.22
79	15:40: 0	27.900	13333.96	1008.61	
80	15:43: 0	27.950	7595.92		171.22
81	15:46: 0	28.000	13333.95	1008.60	
82	15:49: 0	28.050	7595.88		171.22
83	15:52: 0	28.100	13333.95	1008.59	
84	15:55: 0	28.150	7595.92		171.22
85	15:58: 0	28.200	13333.94	1008.59	
86	16: 1: 0	28.250	7595.92		171.22
87	16: 4: 0	28.300	13333.93	1008.57	
88	16: 7: 0	28.350	7595.93		171.23
89	16:10: 0	28.400	13333.92	1008.56	
90	16:13: 0	28.450	7595.94		171.23
91	16:16: 0	28.500	13333.91	1008.54	
92	16:19: 0	28.550	7595.97		171.23
93	16:22: 0	28.600	13333.91	1008.53	
94	16:25: 0	28.650	7595.94		171.23
95	16:28: 0	28.700	13333.90	1008.53	
96	16:31: 0	28.750	7595.96		171.23
97	16:34: 0	28.800	13333.90	1008.52	
98	16:37: 0	28.850	7595.96		171.23
99	16:40: 0	28.900	13333.89	1008.51	
100	16:43: 0	28.950	7595.96		171.23

DATE: 7/ 1/87
GAUGE SN #70057
WELL # 0
TEST # 1161

DATA FILE: 3

COMPANY: BMG
CLIENT: Sun
WELL NAME: Native Son #3
TEST OPERATOR: MD
LOCATION:
COMMENTS: BHP @ 6990' RKB

DATA FT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE °F
1	16:46: 0	29.000	13333.68	1008.49	
2	16:49: 0	29.050	7595.94		171.23
3	16:52: 0	29.100	13333.87	1008.48	
4	16:55: 0	29.150	7595.99		171.23
5	16:58: 0	29.200	13333.87	1008.47	
6	17: 1: 0	29.250	7596.00		171.23
7	17: 4: 0	29.300	13333.86	1008.47	
8	17: 7: 0	29.350	7596.05		171.24
9	17:10: 0	29.400	13333.85	1008.45	
10	17:13: 0	29.450	7595.97		171.23
11	17:16: 0	29.500	13333.84	1008.44	
12	17:19: 0	29.550	7595.00		171.23
13	17:22: 0	29.600	13333.84	1008.43	
14	17:25: 0	29.650	7595.38		171.23
15	17:28: 0	29.700	13333.83	1008.42	
16	17:31: 0	29.750	7595.99		171.23
17	17:34: 0	29.800	13333.82	1008.40	
18	17:37: 0	29.850	7595.99		171.23
19	17:40: 0	29.900	13333.82	1008.40	
20	17:43: 0	29.950	7595.97		171.23
21	17:46: 0	30.000	13333.82	1008.39	
22	17:49: 0	30.050	7596.00		171.23
23	17:52: 0	30.100	13333.81	1008.38	
24	17:55: 0	30.150	7595.90		171.22
25	17:58: 0	30.200	13333.79	1008.36	
26	18: 1: 0	30.250	7595.87		171.22
27	18: 4: 0	30.300	13333.79	1008.35	
28	18: 7: 0	30.350	7595.93		171.23
29	18:10: 0	30.400	13333.78	1008.34	
30	18:13: 0	30.450	7595.90		171.22
31	18:16: 0	30.500	13333.77	1008.32	
32	18:19: 0	30.550	7595.97		171.23
33	18:22: 0	30.600	13333.77	1008.32	
34	18:25: 0	30.650	7595.98		171.23
35	18:28: 0	30.700	13333.76	1008.31	
36	18:31: 0	30.750	7596.01		171.23
37	18:34: 0	30.800	13333.76	1008.31	
38	18:37: 0	30.850	7595.98		171.23
39	18:40: 0	30.900	13333.74	1008.28	
40	18:43: 0	30.950	7595.96		171.23
41	18:46: 0	31.000	13333.74	1008.27	
42	18:49: 0	31.050	7595.94		171.23
43	18:52: 0	31.100	13333.73	1008.25	
44	18:55: 0	31.150	7595.95		171.23
45	18:58: 0	31.200	13333.72	1008.24	
46	19: 1: 0	31.250	7595.97		171.23
47	19: 4: 0	31.300	13333.72	1008.24	
48	19: 7: 0	31.350	7595.96		171.23
49	19:10: 0	31.400	13333.71	1008.22	
50	19:13: 0	31.450	7595.93		171.23

DATE: 7/ 1/87
GAUGE SN #70057
WELL # 0
TEST # 1161

COMPANY: BMG
CLIENT: Sun
WELL NAME: Native Son #3
TEST OPERATOR: MD
LOCATION:
COMMENTS: BHP @ 5390' RKB

DATA FILE: 3

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE °F
51	19:16: 0	31.500	13333.70	1009.21	
52	19:19: 0	31.550	7595.93		171.23
53	19:22: 0	31.600	13333.69	1008.13	
54	19:25: 0	31.650	7595.91		171.22
55	19:28: 0	31.700	13333.69	1008.19	
56	19:31: 0	31.750	7595.87		171.22
57	19:34: 0	31.800	13333.68	1008.17	
58	19:37: 0	31.850	7595.92		171.22
59	19:40: 0	31.900	13333.67	1008.16	
60	19:43: 0	31.950	7595.92		171.22
61	19:46: 0	32.000	13333.66	1008.15	
62	20: 1: 0	32.250	7595.90		171.22
63	20:16: 0	32.500	13333.63	1008.10	
64	20:31: 0	32.750	7595.87		171.22
65	20:46: 0	33.000	13333.59	1008.03	
66	21: 1: 0	33.250	7595.87		171.22
67	21:16: 0	33.500	13333.55	1007.97	
68	21:31: 0	33.750	7595.89		171.22
69	21:46: 0	34.000	13333.51	1007.91	
70	22: 1: 0	34.250	7595.89		171.22
71	22:16: 0	34.500	13333.47	1007.84	
72	22:31: 0	34.750	7595.94		171.23
73	22:46: 0	35.000	13333.42	1007.76	
74	23: 1: 0	35.250	7595.96		171.23
75	23:16: 0	35.500	13333.37	1007.69	
76	23:31: 0	35.750	7595.98		171.23
77	23:46: 0	36.000	13333.33	1007.63	
78	0: 1: 0	36.250	7596.03		171.23
79	0:16: 0	36.500	13333.29	1007.57	
80	0:31: 0	36.750	7596.05		171.24
81	0:46: 0	37.000	13333.25	1007.50	
82	1: 1: 0	37.250	7596.08		171.24
83	1:16: 0	37.500	13333.22	1007.46	
84	1:31: 0	37.750	7596.07		171.24
85	1:46: 0	38.000	13333.17	1007.38	
86	2: 1: 0	38.250	7596.12		171.24
87	2:16: 0	38.500	13333.14	1007.33	
88	2:31: 0	38.750	7596.14		171.24
89	2:46: 0	39.000	13333.11	1007.29	
90	3: 1: 0	39.250	7596.34		171.26
91	3:16: 0	39.500	13333.05	1007.20	
92	3:31: 0	39.750	7596.37		171.26
93	3:46: 0	40.000	13333.01	1007.14	
94	4: 1: 0	40.250	7596.40		171.27
95	4:16: 0	40.500	13332.97	1007.08	
96	4:31: 0	40.750	7596.38		171.26
97	4:46: 0	41.000	13332.94	1007.03	
98	5: 1: 0	41.250	7596.41		171.27
99	5:16: 0	41.500	13332.91	1006.98	
100	5:31: 0	41.750	7596.39		171.26

DATE: 7/ 2/87
GAUGE SN #70057
WELL # 0
TEST # 1161

DATA FILE: 4

COMPANY: BMG
CLIENT: Sun
WELL NAME: Native Son #3
TEST OPERATOR: MD
LOCATION:
COMMENTS: BHP @ 5950' RKB

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE °F
1	5:46: 0	42.000	13332.86	1006.91	
2	5: 1: 0	42.250	7596.41		171.27
3	5:16: 0	42.500	13332.83	1006.85	
4	6:31: 0	42.750	7596.41		171.27
5	6:46: 0	43.000	13332.79	1006.79	
6	7: 1: 0	43.250	7596.40		171.25
7	7:16: 0	43.500	13332.77	1006.76	
8	7:31: 0	43.750	7596.48		171.27
9	7:46: 0	44.000	13332.74	1006.71	
10	8: 1: 0	44.250	7596.45		171.27
11	8:16: 0	44.500	13332.71	1006.67	
12	8:31: 0	44.750	7596.46		171.27
13	8:46: 0	45.000	13332.69	1006.63	
14	9: 1: 0	45.250	7596.43		171.27
15	9:16: 0	45.500	13332.65	1006.57	
16	9:31: 0	45.750	7596.45		171.27
17	9:46: 0	46.000	13332.63	1006.54	
18	10: 1: 0	46.250	7596.45		171.27
19	10:16: 0	46.500	13332.59	1006.48	
20	10:31: 0	46.750	7596.43		171.27
21	10:46: 0	47.000	13332.56	1006.43	
22	11: 1: 0	47.250	7596.50		171.27
23	11:16: 0	47.500	13332.52	1006.37	
24	11:31: 0	47.750	7596.52		171.28
25	11:46: 0	48.000	13332.49	1006.33	
26	12: 1: 0	48.250	7596.47		171.27
27	12:16: 0	48.500	13332.47	1006.28	
28	12:31: 0	48.750	7596.50		171.27
29	12:46: 0	49.000	13332.43	1006.23	
30	13: 1: 0	49.250	7596.50		171.27
31	13:16: 0	49.500	13332.40	1006.18	
32	13:31: 0	49.750	7596.53		171.28
33	13:46: 0	50.000	13332.37	1006.14	
34	14: 1: 0	50.250	7596.52		171.28
35	14:16: 0	50.500	13332.33	1006.08	
36	14:31: 0	50.750	7596.50		171.27
37	14:46: 0	51.000	13332.30	1006.02	
38	15: 1: 0	51.250	7596.49		171.27
39	15:16: 0	51.500	13332.28	1005.99	
40	15:31: 0	51.750	7596.48		171.27
41	15:46: 0	52.000	13332.24	1005.93	
42	16: 1: 0	52.250	7596.44		171.27
43	16:16: 0	52.500	13332.21	1005.98	
44	16:31: 0	52.750	7596.49		171.27
45	16:46: 0	53.000	13332.17	1005.82	
46	17: 1: 0	53.250	7596.48		171.27
47	17:16: 0	53.500	13332.14	1005.77	
48	17:31: 0	53.750	7596.52		171.28
49	17:46: 0	54.000	13332.10	1005.71	
50	18: 1: 0	54.250	7596.49		171.27

DATE: 7/ 2/87
GAUGE SN #70057
WELL # 0
TEST # 1161

DATA FILE: 4

COMPANY: BMG
CLIENT: Sun
WELL NAME: Native Son #3
TEST OPERATOR: MD
LOCATION:
COMMENTS: BHP @ 6890' RKB

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE °F
51	18:16: 0	54.500	13332.05	1005.34	
52	18:31: 0	54.750	7596.56		171.25
53	18:46: 0	55.000	13332.01	1005.37	
54	19: 1: 0	55.250	7596.48		171.27
55	19:16: 0	55.500	13331.97	1005.50	
56	19:31: 0	55.750	7596.53		171.28
57	19:46: 0	56.000	13331.93	1005.44	
58	20: 1: 0	56.250	7596.53		171.28
59	20:16: 0	56.500	13331.87	1005.35	
60	20:31: 0	56.750	7596.58		171.28
61	20:46: 0	57.000	13331.82	1005.27	
62	21: 1: 0	57.250	7596.51		171.27
63	21:16: 0	57.500	13331.78	1005.21	
64	21:31: 0	57.750	7596.56		171.28
65	21:46: 0	58.000	13331.73	1005.13	
66	22: 1: 0	58.250	7596.55		171.28
67	22:16: 0	58.500	13331.70	1005.08	
68	22:31: 0	58.750	7596.50		171.27
69	22:46: 0	59.000	13331.65	1005.01	
70	23: 1: 0	59.250	7596.57		171.28
71	23:16: 0	59.500	13331.61	1004.94	
72	23:31: 0	59.750	7596.54		171.28
73	23:46: 0	60.000	13331.56	1004.87	
74	0: 1: 0	60.250	7596.54		171.28
75	0:16: 0	60.500	13331.52	1004.81	
76	0:31: 0	60.750	7596.55		171.28
77	0:46: 0	61.000	13331.48	1004.74	
78	1: 1: 0	61.250	7596.52		171.28
79	1:16: 0	61.500	13331.45	1004.68	
80	1:31: 0	61.750	7596.55		171.28
81	1:46: 0	62.000	13331.40	1004.60	
82	2: 1: 0	62.250	7596.57		171.23
83	2:16: 0	62.500	13331.36	1004.55	
84	2:31: 0	62.750	7596.62		171.28
85	2:46: 0	63.000	13331.32	1004.49	
86	3: 1: 0	63.250	7596.57		171.28
87	3:16: 0	63.500	13331.29	1004.44	
88	3:31: 0	63.750	7596.62		171.28
89	3:46: 0	64.000	13331.25	1004.38	
90	4: 1: 0	64.250	7596.55		171.28
91	4:16: 0	64.500	13331.21	1004.31	
92	4:31: 0	64.750	7596.65		171.29
93	4:46: 0	65.000	13331.18	1004.26	
94	5: 1: 0	65.250	7596.59		171.28
95	5:16: 0	65.500	13331.14	1004.21	
96	5:31: 0	65.750	7596.66		171.29
97	5:46: 0	66.000	13331.11	1004.16	
98	6: 1: 0	66.250	7596.63		171.28
99	6:16: 0	66.500	13331.08	1004.11	
100	6:31: 0	66.750	7596.60		171.28

DATE: 7/ 3/87
GAUGE SN #70057
WELL # 0
TEST # 1161

DATA FILE: 5

COMPANY: BMG
CLIENT: Sun
WELL NAME: Native Son #3
TEST OPERATOR: MD
LOCATION:
COMMENTS: BHP @ 6890' RKB

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE °F
1	6:46: 0	67.000	13331.64	1004.05	
2	7: 1: 0	67.250	7596.62		171.29
3	7:16: 0	67.500	13331.02	1004.02	
4	7:31: 0	67.750	7596.62		171.29
5	7:46: 0	68.000	13330.99	1003.97	
6	8: 1: 0	68.250	7596.64		171.29
7	8:16: 0	68.500	13330.97	1003.93	
8	8:31: 0	68.750	7596.61		171.28
9	8:46: 0	69.000	13330.94	1003.89	
10	9: 1: 0	69.250	7596.65		171.29
11	9:16: 0	69.500	13330.90	1003.83	
12	9:31: 0	69.750	7596.57		171.28
13	9:46: 0	70.000	13330.97	1003.78	
14	10: 1: 0	70.250	7596.60		171.28
15	10:16: 0	70.500	13330.84	1003.74	
16	10:31: 0	70.750	7596.63		171.28
17	10:46: 0	71.000	13330.81	1003.69	
18	11: 1: 0	71.250	7596.65		171.29
19	11:16: 0	71.500	13330.78	1003.64	
20	11:31: 0	71.750	7596.64		171.28
21	11:46: 0	72.000	13330.75	1003.60	
22	12: 1: 0	72.250	7596.65		171.29
23	12:16: 0	72.500	13330.72	1003.55	
24	12:31: 0	72.750	7596.65		171.29
25	12:46: 0	73.000	13330.69	1003.50	
26	13: 1: 0	73.250	7596.66		171.29
27	13:16: 0	73.500	13330.65	1003.44	
28	13:31: 0	73.750	7596.70		171.29
29	13:46: 0	74.000	13330.62	1003.39	
30	14: 1: 0	74.250	7596.67		171.29
31	14:16: 0	74.500	13330.59	1003.35	
32	14:31: 0	74.750	7596.68		171.29
33	14:46: 0	75.000	13330.56	1003.29	
34	15: 1: 0	75.250	7596.67		171.29
35	15:16: 0	75.500	13330.52	1003.24	
36	15:31: 0	75.750	7596.73		171.29
37	15:46: 0	76.000	13330.50	1003.20	
38	16: 1: 0	76.250	7596.72		171.29
39	16:16: 0	76.500	13330.46	1003.14	
40	16:31: 0	76.750	7596.71		171.29
41	16:46: 0	77.000	13330.43	1003.09	
42	17: 1: 0	77.250	7596.73		171.29
43	17:16: 0	77.500	13330.39	1003.03	
44	17:31: 0	77.750	7596.75		171.29
45	17:46: 0	78.000	13330.36	1002.99	
46	18: 1: 0	78.250	7596.70		171.29
47	18:16: 0	78.500	13330.33	1002.93	
48	18:31: 0	78.750	7596.76		171.30
49	18:46: 0	79.000	13330.30	1002.89	
50	19: 1: 0	79.250	7596.75		171.29

DATE: 7/ 3/87
GAUGE SN #70057
WELL # 0
TEST # 1161

COMPANY: BMG
CLIENT: Sun
WELL NAME: Native Son #3
TEST OPERATOR: MD
LOCATION:
COMMENTS: BHP @ 6690' RKB

DATA FILE: 5

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE °F
51	19:16: 0	79.500	13330.26	1002.83	
52	19:31: 0	79.750	7596.76		171.30
53	19:46: 0	80.000	13330.23	1002.79	
54	20: 1: 0	80.250	7596.79		171.30
55	20:16: 0	80.500	13330.20	1002.73	
56	20:31: 0	80.750	7596.82		171.30
57	20:46: 0	81.000	13330.16	1002.67	
58	21: 1: 0	81.250	7596.76		171.30
59	21:16: 0	81.500	13330.12	1002.60	
60	21:31: 0	81.750	7596.82		171.30
61	21:46: 0	82.000	13330.08	1002.55	
62	22: 1: 0	82.250	7596.82		171.30
63	22:16: 0	82.500	13330.04	1002.49	
64	22:31: 0	82.750	7596.75		171.29
65	22:46: 0	83.000	13330.02	1002.44	
66	23: 1: 0	83.250	7596.81		171.30
67	23:16: 0	83.500	13329.98	1002.38	
68	23:31: 0	83.750	7596.81		171.30
69	23:46: 0	84.000	13329.94	1002.32	
70	0: 1: 0	84.250	7596.77		171.30
71	0:16: 0	84.500	13329.91	1002.27	
72	0:31: 0	84.750	7596.76		171.30
73	0:46: 0	85.000	13329.87	1002.22	
74	1: 1: 0	85.250	7596.79		171.30
75	1:16: 0	85.500	13329.84	1002.17	
76	1:31: 0	85.750	7596.81		171.30
77	1:46: 0	86.000	13329.80	1002.11	
78	2: 1: 0	86.250	7596.79		171.30
79	2:16: 0	86.500	13329.78	1002.07	
80	2:31: 0	86.750	7596.79		171.30
81	2:46: 0	87.000	13329.74	1002.02	
82	3: 1: 0	87.250	7596.82		171.30
83	3:16: 0	87.500	13329.71	1001.96	
84	3:31: 0	87.750	7596.86		171.30
85	3:46: 0	88.000	13329.68	1001.91	
86	4: 1: 0	88.250	7596.84		171.30
87	4:16: 0	88.500	13329.65	1001.87	
88	4:31: 0	88.750	7596.84		171.30
89	4:46: 0	89.000	13329.62	1001.82	
90	5: 1: 0	89.250	7596.85		171.30
91	5:16: 0	89.500	13329.58	1001.76	
92	5:31: 0	89.750	7596.86		171.30
93	5:46: 0	90.000	13329.55	1001.72	
94	6: 1: 0	90.250	7596.85		171.30
95	6:16: 0	90.500	13329.53	1001.68	
96	6:31: 0	90.750	7596.86		171.30
97	6:46: 0	91.000	13329.50	1001.63	
98	7: 1: 0	91.250	7596.88		171.31
99	7:16: 0	91.500	13329.48	1001.60	
100	7:31: 0	91.750	7596.91		171.31

DATE: 7/ 4/87
GAUGE SN #70057
WELL # 0
TEST # 1161

DATA FILE: 6

COMPANY: BMG
CLIENT: Sun
WELL NAME: Native Son #3
TEST OPERATOR: MD
LOCATION:
COMMENTS: 6HP @ 8950' RKB

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE °F
1	7:45: 0	92.000	13329.45	1001.55	
2	8: 1: 0	92.250	7596.90		171.31
3	8:16: 0	92.500	13329.43	1001.53	
4	8:31: 0	92.750	7596.90		171.31
5	8:46: 0	93.000	13329.40	1001.48	
6	9: 1: 0	93.250	7596.86		171.30
7	9:16: 0	93.500	13329.38	1001.45	
8	9:31: 0	93.750	7596.87		171.30
9	9:46: 0	94.000	13329.35	1001.41	
10	10: 1: 0	94.250	7596.89		171.31
11	10:16: 0	94.500	13329.32	1001.36	
12	10:31: 0	94.750	7596.89		171.31
13	10:46: 0	95.000	13329.30	1001.33	
14	11: 1: 0	95.250	7596.88		171.31
15	11:16: 0	95.500	13329.27	1001.28	
16	11:31: 0	95.750	7596.88		171.31
17	11:46: 0	96.000	13329.25	1001.25	
18	12: 1: 0	96.250	7596.90		171.31
19	12:16: 0	96.500	13329.22	1001.20	
20	12:31: 0	96.750	7596.86		171.30
21	12:46: 0	97.000	13329.20	1001.17	
22	13: 1: 0	97.250	7596.93		171.31
23	13:16: 0	97.500	13329.17	1001.13	
24	13:31: 0	97.750	7596.91		171.31
25	13:46: 0	98.000	13329.15	1001.09	
26	14: 1: 0	98.250	7596.92		171.31
27	14:16: 0	98.500	13329.12	1001.05	
28	14:31: 0	98.750	7596.94		171.31
29	14:46: 0	99.000	13329.10	1001.01	
30	15: 1: 0	99.250	7596.98		171.31
31	15:16: 0	99.500	13329.07	1000.97	
32	15:31: 0	99.750	7596.95		171.31
33	15:46: 0	100.000	13329.05	1000.93	
34	16: 1: 0	100.250	7596.94		171.31
35	16:16: 0	100.500	13329.03	1000.90	
36	16:31: 0	100.750	7596.91		171.31
37	16:46: 0	101.000	13329.00	1000.85	
38	17: 1: 0	101.250	7596.90		171.31
39	17:16: 0	101.500	13328.97	1000.81	
40	17:31: 0	101.750	7596.99		171.31
41	17:46: 0	102.000	13328.95	1000.78	
42	18: 1: 0	102.250	7596.93		171.31
43	18:16: 0	102.500	13328.92	1000.73	
44	18:31: 0	102.750	7596.96		171.31
45	18:46: 0	103.000	13328.91	1000.71	
46	19: 1: 0	103.250	7596.97		171.31
47	19:16: 0	103.500	13328.87	1000.65	
48	19:31: 0	103.750	7596.96		171.31
49	19:46: 0	104.000	13328.85	1000.62	
50	20: 1: 0	104.250	7596.99		171.31

DATE: 7/ 4/87
GAUGE SN #70057
WELL # 0
TEST # 1151

DATA FILE: 6

COMPANY: BMG
CLIENT: Sun
WELL NAME: Native Son #3
TEST OPERATOR: MD
LOCATION:
COMMENTS: BHP @ 6990' RKB

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE °F
51	20:16: 0	104.500	13328.82	1000.58	
52	20:31: 0	104.750	7596.96		171.31
53	20:46: 0	105.000	13328.79	1000.53	
54	21: 1: 0	105.250	7596.96		171.31
55	21:16: 0	105.500	13328.78	1000.48	
56	21:31: 0	105.750	7597.00		171.32
57	21:46: 0	106.000	13328.73	1000.44	
58	22: 1: 0	106.250	7596.96		171.31
59	22:16: 0	106.500	13328.71	1000.39	
60	22:31: 0	106.750	7596.89		171.32
61	22:46: 0	107.000	13328.69	1000.37	
62	23: 1: 0	107.250	7596.96		171.31
63	23:16: 0	107.500	13328.66	1000.31	
64	23:31: 0	107.750	7596.97		171.31
65	23:46: 0	108.000	13328.63	1000.29	
66	0: 1: 0	108.250	7596.99		171.32
67	0:16: 0	108.500	13328.60	1000.23	
68	0:31: 0	108.750	7597.01		171.32
69	0:46: 0	109.000	13328.57	1000.18	
70	1: 1: 0	109.250	7597.03		171.32
71	1:16: 0	109.500	13328.55	1000.15	
72	1:31: 0	109.750	7596.96		171.31
73	1:46: 0	110.000	13328.53	1000.11	
74	2: 1: 0	110.250	7596.99		171.32
75	2:16: 0	110.500	13328.50	1000.07	
76	2:31: 0	110.750	7597.04		171.32
77	2:46: 0	111.000	13328.48	1000.03	
78	3: 1: 0	111.250	7597.09		171.32
79	3:16: 0	111.500	13328.45	999.99	
80	3:31: 0	111.750	7597.03		171.32
81	3:46: 0	112.000	13328.43	999.96	
82	4: 1: 0	112.250	7597.03		171.32
83	4:16: 0	112.500	13328.40	999.92	
84	4:31: 0	112.750	7597.08		171.32
85	4:46: 0	113.000	13328.38	999.88	
86	5: 1: 0	113.250	7597.03		171.32
87	5:16: 0	113.500	13328.35	999.84	
88	5:31: 0	113.750	7597.06		171.32
89	5:46: 0	114.000	13328.33	999.81	
90	6: 1: 0	114.250	7597.06		171.32
91	6:16: 0	114.500	13328.31	999.77	
92	6:31: 0	114.750	7597.06		171.32
93	6:46: 0	115.000	13328.29	999.74	
94	7: 1: 0	115.250	7597.05		171.32
95	7:16: 0	115.500	13328.28	999.72	
96	7:31: 0	115.750	7597.09		171.32
97	7:46: 0	116.000	13328.26	999.69	
98	8: 1: 0	116.250	7597.05		171.32
99	8:16: 0	116.500	13328.25	999.68	
100	8:31: 0	116.750	7597.10		171.32

DATE: 7/ 5/97
GAUGE SN #70057
WELL # 0
TEST # 1151

DATA FILE: 7

COMPANY: BMG
CLIENT: Sun
WELL NAME: Native Son #3
TEST OPERATOR: MD
LOCATION:
COMMENTS: BHP @ 6980' RKB

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	8:48: 0	117.000	13328.23	999.65	
2	9: 1: 0	117.250	7597.09		171.32
3	9:15: 0	117.500	13328.21	999.62	
4	9:31: 0	117.750	7597.04		171.32
5	9:46: 0	118.000	13328.20	999.60	
6	10: 1: 0	118.250	7597.06		171.32
7	10:16: 0	118.500	13328.17	999.55	
8	10:31: 0	119.750	7597.01		171.32
9	10:46: 0	119.000	13078.05	620.83	
10	11: 1: 0	119.250	6382.30		69.64
11	11:16: 0	119.500	12599.58	-50.71	
12	11:31: 0	119.750	6539.77		82.75
13	11:46: 0	120.000	21311.42		4035.57
14	12: 1: 0	120.250	21811.42		4035.57
15	11:16: 0	143.500	13329.27	1001.28	
16	11:31: 0	143.750	7596.88		171.31
17	11:46: 0	144.000	13329.25	1001.25	
18	12: 1: 0	144.250	7596.90		171.31
19	12:16: 0	144.500	13329.22	1001.20	
20	12:31: 0	144.750	7596.86		171.30
21	12:46: 0	145.000	13329.20	1001.17	
22	13: 1: 0	145.250	7596.93		171.31
23	13:16: 0	145.500	13329.17	1001.13	
24	13:31: 0	145.750	7596.91		171.31
25	13:46: 0	146.000	13329.15	1001.09	
26	14: 1: 0	146.250	7596.92		171.31
27	14:16: 0	146.500	13329.12	1001.05	
28	14:31: 0	146.750	7596.94		171.31
29	14:46: 0	147.000	13329.10	1001.01	
30	15: 1: 0	147.250	7596.98		171.31
31	15:16: 0	147.500	13329.07	1000.97	
32	15:31: 0	147.750	7596.95		171.31
33	15:46: 0	148.000	13329.05	1000.93	
34	16: 1: 0	148.250	7596.94		171.31
35	16:16: 0	148.500	13329.03	1000.90	
36	16:31: 0	148.750	7596.91		171.31
37	16:46: 0	149.000	13329.00	1000.85	
38	17: 1: 0	149.250	7596.90		171.31
39	17:16: 0	149.500	13328.97	1000.81	
40	17:31: 0	149.750	7596.99		171.31
41	17:46: 0	150.000	13328.95	1000.78	
42	18: 1: 0	150.250	7596.93		171.31
43	18:16: 0	150.500	13328.92	1000.73	
44	18:31: 0	150.750	7596.96		171.31
45	18:46: 0	151.000	13328.91	1000.71	
46	19: 1: 0	151.250	7596.97		171.31
47	19:16: 0	151.500	13328.87	1000.65	
48	19:31: 0	151.750	7596.96		171.31
49	19:46: 0	152.000	13328.85	1000.62	
50	20: 1: 0	152.250	7596.99		171.31

DATE: 7/ 6/87
GAUGE SN #70057
WELL # 0
TEST # 1161

DATA FILE: 7

COMPANY: BMS
CLIENT: Sun
WELL NAME: Native Son #3
TEST OPERATOR: MD
LOCATION:
COMMENTS: BHP @ 6950' RKS

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE °F
51	20:16: 0	152.500	13328.82	1000.58	
52	20:31: 0	152.750	7596.96		171.31
53	20:46: 0	153.000	13328.79	1000.53	
54	21: 1: 0	153.250	7596.95		171.31
55	21:16: 0	153.500	13328.76	1000.48	
56	21:31: 0	153.750	7597.00		171.32
57	21:46: 0	154.000	13328.73	1000.44	
58	22: 1: 0	154.250	7596.96		171.31
59	22:16: 0	154.500	13328.71	1000.39	
60	22:31: 0	154.750	7596.96		171.32
61	22:46: 0	155.000	13328.69	1000.37	
62	23: 1: 0	155.250	7596.96		171.31
63	23:16: 0	155.500	13328.66	1000.31	
64	23:31: 0	155.750	7596.97		171.31
65	23:46: 0	156.000	13328.63	1000.28	
66	0: 1: 0	156.250	7596.99		171.32
67	0:16: 0	156.500	13328.60	1000.23	
68	0:31: 0	156.750	7597.01		171.32
69	0:46: 0	157.000	13328.57	1000.18	
70	1: 1: 0	157.250	7597.03		171.32
71	1:16: 0	157.500	13328.55	1000.15	
72	1:31: 0	157.750	7596.96		171.31
73	1:46: 0	158.000	13328.53	1000.11	
74	2: 1: 0	158.250	7596.99		171.32
75	2:16: 0	158.500	13328.50	1000.07	
76	2:31: 0	158.750	7597.04		171.32
77	2:46: 0	159.000	13328.48	1000.03	
78	3: 1: 0	159.250	7597.09		171.32
79	3:16: 0	159.500	13328.45	999.99	
80	3:31: 0	159.750	7597.03		171.32
81	3:46: 0	160.000	13328.43	999.96	
82	4: 1: 0	160.250	7597.03		171.32
83	4:16: 0	160.500	13328.40	999.92	
84	4:31: 0	160.750	7597.08		171.32
85	4:46: 0	161.000	13328.38	999.88	
86	5: 1: 0	161.250	7597.03		171.32
87	5:16: 0	161.500	13328.35	999.84	
88	5:31: 0	161.750	7597.06		171.32
89	5:46: 0	162.000	13328.33	999.81	
90	6: 1: 0	162.250	7597.08		171.32
91	6:16: 0	162.500	13328.31	999.77	
92	6:31: 0	162.750	7597.06		171.32
93	6:46: 0	163.000	13328.29	999.74	
94	7: 1: 0	163.250	7597.05		171.32
95	7:16: 0	163.500	13328.28	999.72	
96	7:31: 0	163.750	7597.09		171.32
97	7:46: 0	164.000	13328.26	999.69	
98	8: 1: 0	164.250	7597.05		171.32
99	8:16: 0	164.500	13328.25	999.68	
100	8:31: 0	164.750	7597.10		171.32