

MULTIPLE WELL INTERFERENCE TEST
SURROUNDING CANADA OJITOS UNIT D-17
(SECTION 17, TOWNSHIP 25 NORTH, RANGE 1 WEST)
CONDUCTED DURING OIL CONSERVATION COMMISSION ORDERED SHUT-IN PERIOD
NOVEMBER 1987

The circled wells on the facing page in the vicinity of the Canada Ojitos Unit D-17 were so located and producing at reservoir voidage rates high enough to influence the pressure in the vicinity of the D-17 observation well when these wells were shut in for the November 1987 Oil Conservation Commission ordered pressure survey.

The test indicates average values for Kh/u of 55 darcy feet and pore volume of approximately 1000 barrels per acre as shown on the following pages.

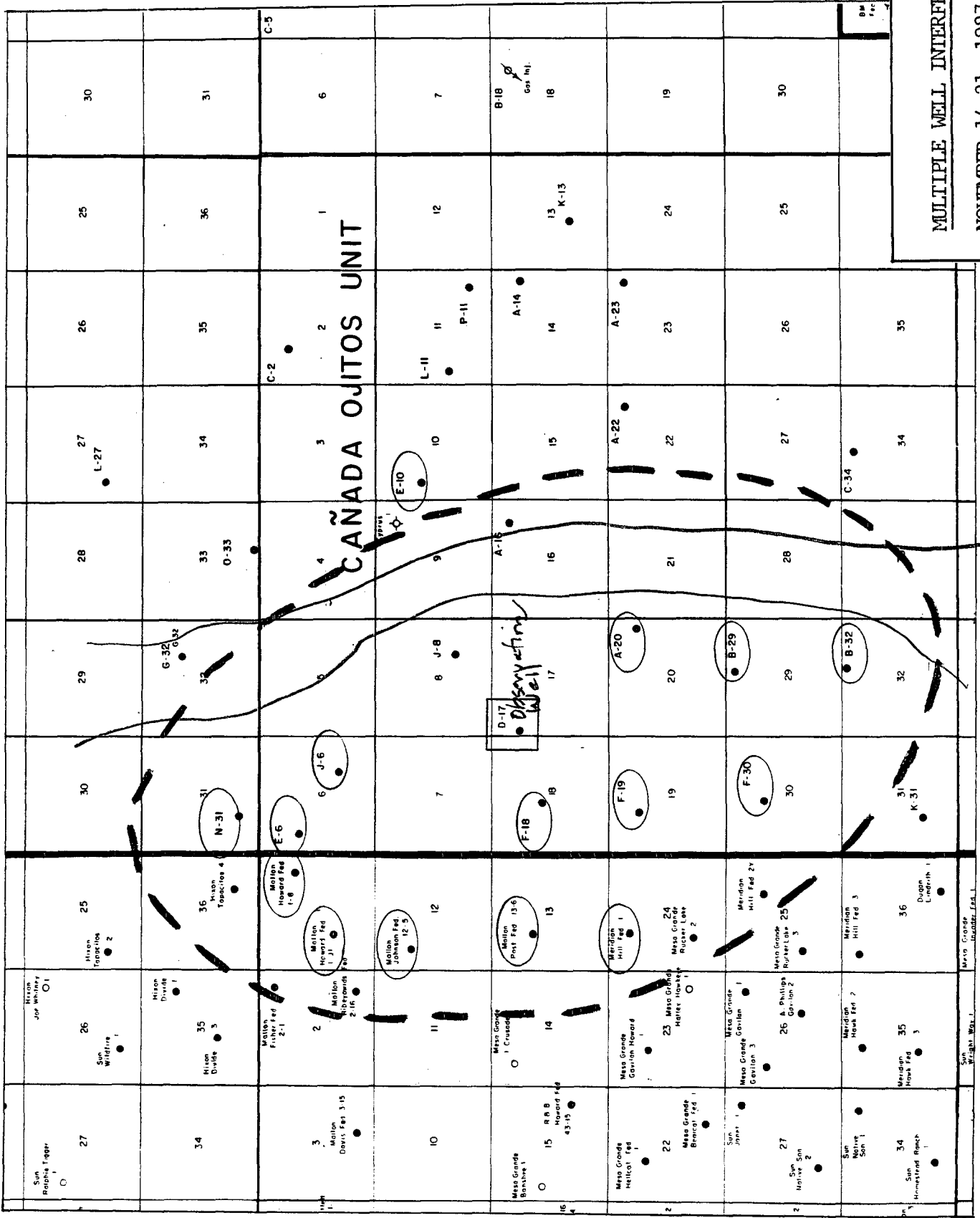
For GOR's of 1,000 to 8,000 the values for Koh range from 16 darcy feet to 2 darcy feet.

T 26 N

T 25 N

MULTIPLE WELL INTERFERENCE TEST

NOVEMBER 14-21, 1987
COU D-17 OBSERVATION WELL



R 1 W

R 2 W

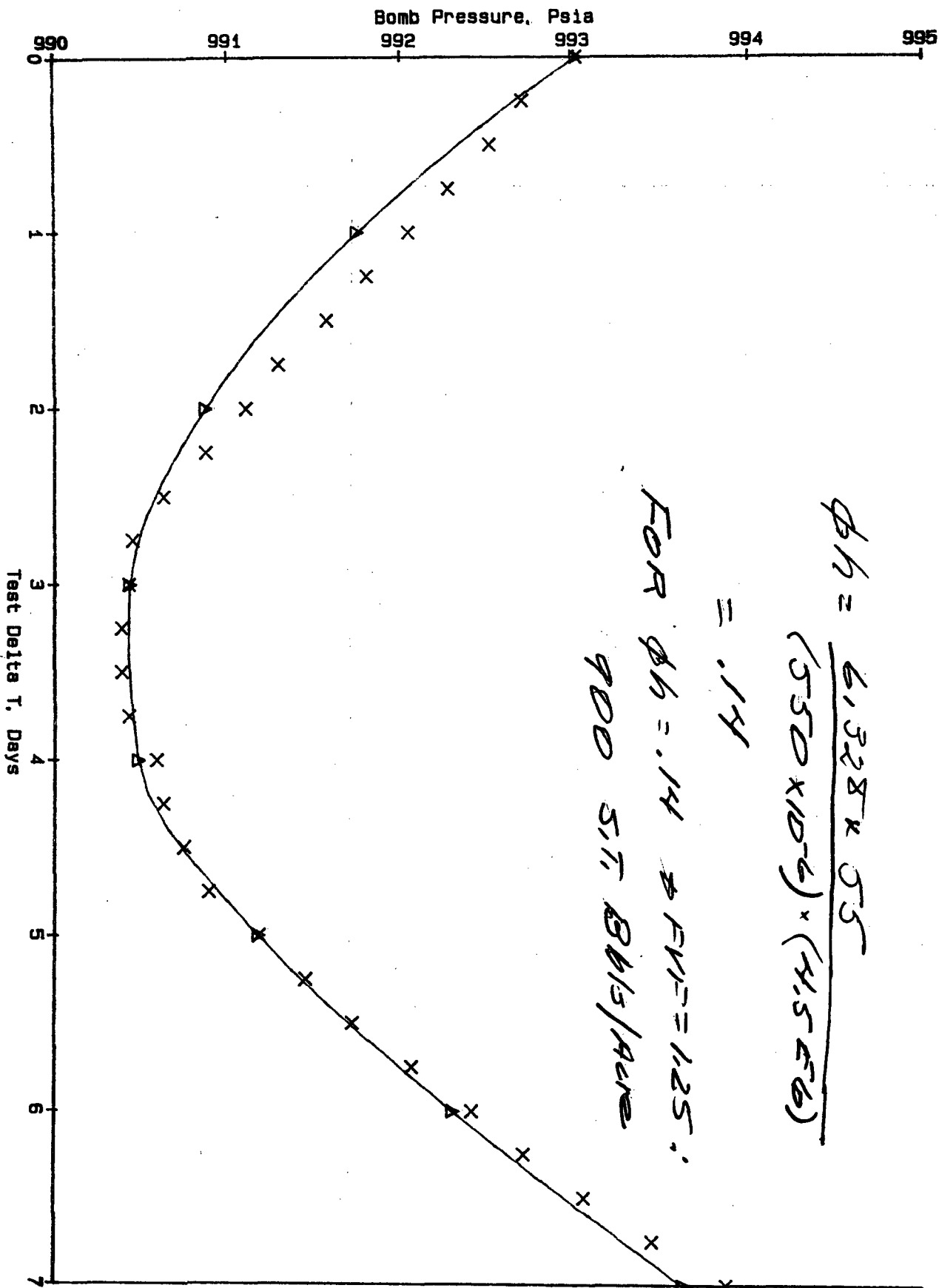
COU D-17 INTERFERENCE TEST
NOVEMBER 11-21, 1987

X SRC RUN #1008. (FILE RUN1008)
Δ Kh/U = 55, n = 4.526 (11991)

$$\phi_h = \frac{6.328 \times 55}{(550 \times 10^{-6}) \times (4.526)}$$

$$= .14$$

FOR $\phi_h = .14$ $\Phi_{VII} = 1.25$;
900 S.T. 8615/acre



ITM.945

THE COMPUTATION OF PRESSURE RESPONSE IN AN OBSERVATION WELL OF MULTIPLE SOURCE WELLS PRODUCED AT VARIABLE RATES
(E1 SOLUTION BY SUPERPOSITION)
OBSERVATION WELL : CUU D-17

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

TIME	INCREMENT	DAY	PRO-WELL 1	PRO-WELL 2	PRO-WELL 3	PRO-WELL 4	PRO-WELL 5	PRO-WELL 6	PRO-WELL 7	PRO-WELL 8	PRO-WELL 9	PRO-WELL 10	PRO-WELL 11	PRO-WELL 12	PRO-WELL 13	PRO-WELL 14	PRO-WELL 15
1	5	20	570	2330	1245	5512	2734	653	2893	1094	3716	802	0	1444	4740	2450	840
2	2	24	342	2330	1245	5512	2734	653	3517	1094	3716	802	2396	0	4740	2450	840
3	1	26	574	0	1245	5512	2734	653	3517	1094	3716	802	2396	0	4740	2450	840
4	1	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

The Beginning Pressure is 1036.69
The Input Variable File Name is WMT7
The Output File Name is ITM.91

TIME SINCE PROD START (DAYS)	OBSERVATION WELL PRESSURE RESPONSE 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)
5.00	1028.01	-1.16	-1.76	-0.16	-1.23	-0.08	-0.43	-0.47	-0.07	-0.43	-0.13	-0.80	-1.48	-0.40	-0.26
10.00	1015.96	-1.62	-3.24	-0.55	-3.44	-0.50	-0.82	-1.46	-0.32	-1.52	-0.41	-1.34	-3.44	-1.24	-0.64
15.00	1006.10	-1.90	-4.23	-0.90	-5.24	-1.01	-1.09	-2.33	-0.57	-2.53	-0.65	-1.89	-5.32	-1.98	-0.94
20.00	998.06	-2.10	-4.98	-1.20	-6.31	-1.49	-1.30	-3.06	-0.80	-3.41	-0.85	-2.31	-6.65	-2.99	-1.18
22.00	993.30	-1.94	-5.24	-1.31	-7.23	-1.68	-1.37	-3.32	-0.89	-3.72	-0.92	-2.35	-7.11	-2.81	-1.26
24.00	993.01	-1.86	-5.47	-1.41	-7.71	-1.85	-1.43	-3.62	-0.96	-4.01	-0.99	-2.17	-7.54	-3.01	-1.34
26.00	991.74	-1.95	-5.50	-1.46	-7.94	-1.94	-1.45	-3.77	-1.00	-4.15	-1.02	-2.06	-7.75	-3.11	-1.37
28.00	990.86	-2.03	-5.21	-1.51	-8.16	-2.02	-1.39	-3.93	-1.04	-4.29	-1.05	-1.96	-7.95	-3.20	-1.41
29.00	990.43	-1.83	-4.85	-1.55	-8.37	-2.10	-1.31	-4.19	-1.08	-4.42	-1.08	-1.86	-8.13	-3.29	-1.44
29.00	990.48	-1.56	-4.32	-1.59	-8.47	-2.18	-1.22	-4.19	-1.11	-4.54	-1.10	-1.77	-8.14	-3.36	-1.44
29.00	991.17	-1.38	-4.23	-1.60	-8.58	-2.25	-1.15	-4.22	-1.13	-4.58	-1.10	-1.67	-7.96	-3.35	-1.41
30.00	992.29	-1.25	-3.97	-1.59	-8.18	-2.30	-1.08	-4.17	-1.14	-4.56	-1.09	-1.61	-7.68	-3.32	-1.36
31.00	993.62	-1.15	-3.74	-1.56	-7.93	-2.33	-1.02	-4.08	-1.14	-4.50	-1.06	-1.55	-7.38	-3.24	-1.31
32.00	995.03	-1.06	-3.54	-1.52	-7.66	-2.34	-0.97	-3.98	-1.13	-4.41	-1.03	-1.48	-7.07	-3.15	-1.25
33.00	996.44	-0.99	-3.36	-1.49	-7.39	-2.34	-0.92	-3.86	-1.12	-4.31	-1.00	-1.42	-6.78	-3.06	-1.20

1.0

1.0

Ratio Of K_{oh} To Total
Mobility xh As Dependent On
GOR & Reservoir Pressure
West Puerto Chiquito Pool

$K_{oh} \text{ To } \left(\frac{\mu_r}{K_r} \right) h$

0.1

0.1

For K_h/u of 55 darcy feet at 1100#:

GOR	RATIO	K_{oh}
1,000	.30	16 darcy feet
2,000	.15	8 darcy feet
4,000	.08	4 darcy feet
8,000	.04	2 darcy feet

1400 #

1000 #

100

1,000

10,000

100,000

DATE: 11/13/87
GAUGE SN #70059
WELL # 0
TEST # 1008

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL
Shut in on 11-16-87

DATA FILE: 1

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	9:19: 0	0.000	6599.39		72.00
2	9:22: 0	0.050	12035.97	11.78	
3	9:25: 0	0.100	6604.79		72.44
4	9:28: 0	0.150	12035.75	11.52	
5	9:31: 0	0.200	6606.40		72.56
6	9:34: 0	0.250	12035.71	11.48	
7	9:37: 0	0.300	6609.73		72.83
8	9:40: 0	0.350	12035.69	11.45	
9	9:43: 0	0.400	6612.58		73.06
10	9:46: 0	0.450	12035.67	11.41	
11	9:49: 0	0.500	6614.66		73.23
12	9:52: 0	0.550	12035.66	11.40	
13	9:55: 0	0.600	6616.57		73.38
14	9:58: 0	0.650	12035.65	11.37	
15	10: 1: 0	0.700	6617.64		73.46
16	10: 4: 0	0.750	12035.66	11.38	
17	10: 7: 0	0.800	6619.77		73.63
18	10:10: 0	0.850	12035.65	11.37	
19	10:13: 0	0.900	6620.99		73.73
20	10:16: 0	0.950	12035.62	11.33	
21	10:19: 0	1.000	6602.63		72.26
22	10:22: 0	1.050	12036.08	11.90	
23	10:25: 0	1.100	6583.93		70.77
24	10:28: 0	1.150	12036.02	11.89	
25	10:31: 0	1.200	6553.46		68.33
26	10:34: 0	1.250	12036.33	12.34	
27	10:37: 0	1.300	6536.74		66.99
28	10:40: 0	1.350	12036.41	12.49	
29	10:43: 0	1.400	6533.18		66.71
30	10:46: 0	1.450	12036.50	12.60	
31	10:49: 0	1.500	6532.14		66.62
32	10:52: 0	1.550	12036.43	12.53	
33	10:55: 0	1.600	6525.94		66.13
34	10:58: 0	1.650	12036.51	12.64	
35	11: 1: 0	1.700	6524.82		66.04
36	11: 4: 0	1.750	12036.53	12.67	
37	11: 7: 0	1.800	6525.79		66.12
38	11:10: 0	1.850	12036.55	12.68	
39	11:13: 0	1.900	6527.23		66.23
40	11:16: 0	1.950	12036.56	12.69	
41	11:19: 0	2.000	6532.75		66.67
42	11:22: 0	2.050	12036.61	12.72	
43	11:25: 0	2.100	6542.61		67.46
44	11:28: 0	2.150	12036.08	12.10	
45	11:31: 0	2.200	6544.94		67.65
46	11:34: 0	2.250	12035.90	11.90	
47	11:37: 0	2.300	6542.86		67.48
48	11:40: 0	2.350	12035.88	11.88	
49	11:43: 0	2.400	6538.58		67.14
50	11:46: 0	2.450	12035.85	11.87	

DATE: 11/13/87
GAUGE SN #70059
WELL # 0
TEST # 1008

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MO
LOCATION: COU
COMMENTS: BHP @ 7100' GL
Shut in on 11-16-87

DATA FILE: 1

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	11:49: 0	2.500	6533.02		66.70
52	11:52: 0	2.550	12035.90	11.94	
53	11:55: 0	2.600	6531.94		66.61
54	11:58: 0	2.650	12035.99	12.04	
55	12: 1: 0	2.700	6532.57		66.66
56	12: 4: 0	2.750	12035.99	12.04	
57	12: 7: 0	2.800	6533.98		66.77
58	12:10: 0	2.850	12035.88	11.91	
59	12:13: 0	2.900	6531.86		66.60
60	12:16: 0	2.950	12035.91	11.95	
61	12:19: 0	3.000	6532.81		66.68
62	12:22: 0	3.050	12035.74	11.76	
63	12:25: 0	3.100	6528.25		66.31
64	12:28: 0	3.150	12035.86	11.91	
65	12:31: 0	3.200	6522.18		65.83
66	12:34: 0	3.250	12035.97	12.06	
67	12:37: 0	3.300	6518.53		65.54
68	12:40: 0	3.350	12035.95	12.05	
69	12:43: 0	3.400	6514.36		65.20
70	12:46: 0	3.450	12036.02	12.14	
71	12:49: 0	3.500	6513.96		65.17
72	12:52: 0	3.550	12035.93	12.04	
73	12:55: 0	3.600	6513.30		65.12
74	12:58: 0	3.650	12036.05	12.17	
75	13: 1: 0	3.700	6510.52		64.90
76	13: 4: 0	3.750	12036.08	12.21	
77	13: 7: 0	3.800	6510.48		64.89
78	13:10: 0	3.850	12035.96	12.08	
79	13:13: 0	3.900	6513.16		65.11
80	13:16: 0	3.950	12035.92	12.03	
81	13:19: 0	4.000	6515.76		65.31
82	13:22: 0	4.050	12035.82	11.91	
83	13:25: 0	4.100	6517.63		65.46
84	13:28: 0	4.150	12035.80	11.89	
85	13:31: 0	4.200	6518.37		65.52
86	13:34: 0	4.250	12035.95	12.04	
87	13:37: 0	4.300	6522.43		65.85
88	13:40: 0	4.350	12035.97	12.05	
89	13:43: 0	4.400	6526.04		66.14
90	13:46: 0	4.450	12035.88	11.94	
91	13:49: 0	4.500	6526.53		66.18
92	13:52: 0	4.550	12035.79	11.84	
93	13:55: 0	4.600	6530.40		66.49
94	13:58: 0	4.650	12035.87	11.92	
95	14: 1: 0	4.700	6537.82		67.08
96	14: 4: 0	4.750	12035.84	11.86	
97	14: 7: 0	4.800	6539.22		67.19
98	14:10: 0	4.850	12035.76	11.76	
99	14:13: 0	4.900	6534.75		66.83
100	14:16: 0	4.950	12035.75	11.77	

DATE: 11/13/87
GAUGE SN #70059
WELL # 0
TEST # 1008

DATA FILE: 2

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL
Shut in on 11-16-87

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	14:19: 0	5.000	6533.41		66.73
2	14:22: 0	5.050	12035.65	11.67	
3	14:25: 0	5.100	6519.83		65.64
4	14:28: 0	5.150	12035.73	11.80	
5	14:31: 0	5.200	6507.50		64.65
6	14:34: 0	5.250	12035.90	12.03	
7	14:37: 0	5.300	6503.79		64.36
8	14:40: 0	5.350	12035.72	11.84	
9	14:43: 0	5.400	6501.31		64.16
10	14:46: 0	5.450	12035.72	11.85	
11	14:49: 0	5.500	6499.60		64.02
12	14:52: 0	5.550	12035.71	11.84	
13	14:55: 0	5.600	6494.56		63.62
14	14:58: 0	5.650	12035.78	11.84	
15	15: 1: 0	5.700	6485.32		62.88
16	15: 4: 0	5.750	12035.88	12.08	
17	15: 7: 0	5.800	6468.91		61.57
18	15:10: 0	5.850	12036.12	12.40	
19	15:13: 0	5.900	6459.37		60.81
20	15:16: 0	5.950	12036.09	12.40	
21	15:19: 0	6.000	6448.88		59.97
22	15:22: 0	6.050	12035.92	12.25	
23	15:25: 0	6.100	6460.15		60.87
24	15:28: 0	6.150	12693.31	816.86	
25	15:31: 0	6.200	6468.48		61.54
26	15:34: 0	6.250	12693.64	817.26	
27	15:37: 0	6.300	6436.35		58.97
28	15:40: 0	6.350	12693.83	817.69	
29	15:43: 0	6.400	6355.84		52.56
30	15:46: 0	6.450	12715.57	847.35	
31	15:49: 0	6.500	6498.24		63.91
32	15:52: 0	6.550	12731.86	868.55	
33	15:55: 0	6.600	6674.19		77.99
34	15:58: 0	6.650	12757.19	901.94	
35	16: 1: 0	6.700	6937.28		99.10
36	16: 4: 0	6.750	12777.55	928.25	
37	16: 7: 0	6.800	7159.53		116.99
38	16:10: 0	6.850	12798.63	955.51	
39	16:13: 0	6.900	7433.97		139.16
40	16:16: 0	6.950	12823.63	987.84	
41	16:19: 0	7.000	7702.64		160.93
42	16:22: 0	7.050	12829.03	993.64	
43	16:25: 0	7.100	7712.81		161.75
44	16:28: 0	7.150	12829.11	993.71	
45	16:31: 0	7.200	7717.18		162.11
46	16:34: 0	7.250	12829.20	993.80	
47	16:37: 0	7.300	7719.64		162.31
48	16:40: 0	7.350	12829.25	993.87	
49	16:43: 0	7.400	7721.09		162.43
50	16:46: 0	7.450	12829.29	993.91	

DATE: 11/13/87
GAUGE SN #70059
WELL # 0
TEST # 1008

DATA FILE: 2

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: CDU
COMMENTS: BHP @ 7100' GL
Shut in on 11-15-87

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	16:49: 0	7.500	7722.08		162.51
52	16:52: 0	7.550	12829.32	993.95	
53	16:55: 0	7.600	7722.87		162.57
54	16:58: 0	7.650	12829.34	993.97	
55	17: 1: 0	7.700	7723.50		162.62
56	17: 4: 0	7.750	12829.35	993.98	
57	17: 7: 0	7.800	7724.12		162.67
58	17:10: 0	7.850	12829.36	993.99	
59	17:13: 0	7.900	7724.56		162.71
60	17:16: 0	7.950	12829.36	994.00	
61	17:19: 0	8.000	7724.92		162.74
62	17:22: 0	8.050	12829.37	994.01	
63	17:25: 0	8.100	7725.18		162.76
64	17:28: 0	8.150	12829.37	994.00	
65	17:31: 0	8.200	7725.36		162.77
66	17:34: 0	8.250	12829.37	994.00	
67	17:37: 0	8.300	7725.59		162.79
68	17:40: 0	8.350	12829.38	994.01	
69	17:43: 0	8.400	7725.65		162.80
70	17:46: 0	8.450	12829.38	994.01	
71	17:49: 0	8.500	7725.83		162.81
72	17:52: 0	8.550	12829.37	994.00	
73	17:55: 0	8.600	7725.90		162.82
74	17:58: 0	8.650	12829.37	994.00	
75	18: 1: 0	8.700	7725.99		162.82
76	18: 4: 0	8.750	12829.37	994.00	
77	18: 7: 0	8.800	7726.17		162.84
78	18:10: 0	8.850	12829.36	993.99	
79	18:13: 0	8.900	7726.23		162.84
80	18:16: 0	8.950	12829.36	993.99	
81	18:19: 0	9.000	7726.28		162.85
82	18:22: 0	9.050	12829.36	993.98	
83	18:25: 0	9.100	7726.36		162.85
84	18:28: 0	9.150	12829.36	993.98	
85	18:31: 0	9.200	7726.42		162.86
86	18:34: 0	9.250	12829.36	993.98	
87	18:37: 0	9.300	7726.47		162.86
88	18:40: 0	9.350	12829.35	993.97	
89	18:43: 0	9.400	7726.49		162.87
90	18:46: 0	9.450	12829.34	993.96	
91	18:49: 0	9.500	7726.55		162.87
92	18:52: 0	9.550	12829.34	993.96	
93	18:55: 0	9.600	7726.56		162.87
94	18:58: 0	9.650	12829.34	993.96	
95	19: 1: 0	9.700	7726.60		162.87
96	19: 4: 0	9.750	12829.34	993.95	
97	19: 7: 0	9.800	7726.64		162.88
98	19:10: 0	9.850	12829.33	993.94	
99	19:13: 0	9.900	7726.69		162.88
100	19:16: 0	9.950	12829.33	993.94	

DATE: 11/13/87
GAUGE SN #70059
WELL # 0
TEST # 1008

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL
Shut in on 11-16-87

DATA FILE: 3

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	19:31: 0	10.200	7726.64		162.88
2	19:46: 0	10.450	12829.31	993.91	
3	20: 1: 0	10.700	7726.70		162.88
4	20:16: 0	10.950	12829.29	993.88	
5	20:31: 0	11.200	7726.75		162.89
6	20:46: 0	11.450	12829.26	993.84	
7	21: 1: 0	11.700	7726.81		162.89
8	21:16: 0	11.950	12829.22	993.80	
9	21:31: 0	12.200	7726.82		162.89
10	21:46: 0	12.450	12829.21	993.77	
11	22: 1: 0	12.700	7726.90		162.90
12	22:16: 0	12.950	12829.17	993.73	
13	22:31: 0	13.200	7726.90		162.90
14	22:46: 0	13.450	12829.15	993.69	
15	23: 1: 0	13.700	7726.99		162.91
16	23:16: 0	13.950	12829.13	993.66	
17	23:31: 0	14.200	7726.99		162.91
18	23:46: 0	14.450	12829.11	993.64	
19	0: 1: 0	14.700	7727.01		162.91
20	0:16: 0	14.950	12829.10	993.62	
21	0:31: 0	15.200	7727.04		162.91
22	0:46: 0	15.450	12829.08	993.59	
23	1: 1: 0	15.700	7727.06		162.91
24	1:16: 0	15.950	12829.06	993.57	
25	1:31: 0	16.200	7727.14		162.92
26	1:46: 0	16.450	12829.05	993.55	
27	2: 1: 0	16.700	7727.09		162.91
28	2:16: 0	16.950	12829.02	993.52	
29	2:31: 0	17.200	7727.08		162.91
30	2:46: 0	17.450	12829.00	993.49	
31	3: 1: 0	17.700	7727.10		162.92
32	3:16: 0	17.950	12828.98	993.46	
33	3:31: 0	18.200	7727.10		162.91
34	3:46: 0	18.450	12828.96	993.42	
35	4: 1: 0	18.700	7727.10		162.92
36	4:16: 0	18.950	12828.93	993.39	
37	4:31: 0	19.200	7727.13		162.92
38	4:46: 0	19.450	12828.91	993.36	
39	5: 1: 0	19.700	7727.11		162.92
40	5:16: 0	19.950	12828.89	993.33	
41	5:31: 0	20.200	7727.15		162.92
42	5:46: 0	20.450	12828.86	993.29	
43	6: 1: 0	20.700	7727.14		162.92
44	6:16: 0	20.950	12828.83	993.25	
45	6:31: 0	21.200	7727.15		162.92
46	6:46: 0	21.450	12828.82	993.24	
47	7: 1: 0	21.700	7727.14		162.92
48	7:16: 0	21.950	12828.80	993.21	
49	7:31: 0	22.200	7727.18		162.92
50	7:46: 0	22.450	12828.78	993.18	

DATE: 11/14/87
GAUGE SN #70059
WELL # 0
TEST # 1008

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL
Shut in on 11-16-87

DATA FILE: 3

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	8: 1: 0	22.700	7727.17		162.92
52	8:16: 0	22.950	12828.76	993.15	
53	8:31: 0	23.200	7727.18		162.92
54	8:46: 0	23.450	12828.76	993.15	
55	9: 1: 0	23.700	7727.18		162.92
56	9:16: 0	23.950	12828.74	993.12	
57	9:31: 0	24.200	7727.23		162.93
58	9:46: 0	24.450	12828.72	993.10	
59	10: 1: 0	24.700	7727.15		162.92
60	10:16: 0	24.950	12828.71	993.08	
61	10:31: 0	25.200	7727.17		162.92
62	10:46: 0	25.450	12828.68	993.05	
63	11: 1: 0	25.700	7727.20		162.92
64	11:16: 0	25.950	12828.67	993.03	
65	11:31: 0	26.200	7727.17		162.92
66	11:46: 0	26.450	12828.66	993.01	
67	12: 1: 0	26.700	7727.17		162.92
68	12:16: 0	26.950	12828.64	992.99	
69	12:31: 0	27.200	7727.13		162.92
70	12:46: 0	27.450	12828.61	992.95	
71	13: 1: 0	27.700	7727.13		162.92
72	13:16: 0	27.950	12828.59	992.92	
73	13:31: 0	28.200	7727.19		162.92
74	13:46: 0	28.450	12828.58	992.91	
75	14: 1: 0	28.700	7727.17		162.92
76	14:16: 0	28.950	12828.56	992.88	
77	14:31: 0	29.200	7727.17		162.92
78	14:46: 0	29.450	12828.54	992.85	
79	15: 1: 0	29.700	7727.15		162.92
80	15:16: 0	29.950	12828.53	992.83	
81	15:31: 0	30.200	7727.18		162.92
82	15:46: 0	30.450	12828.52	992.82	
83	16: 1: 0	30.700	7727.21		162.92
84	16:16: 0	30.950	12828.49	992.78	
85	16:31: 0	31.200	7727.22		162.92
86	16:46: 0	31.450	12828.47	992.75	
87	17: 1: 0	31.700	7727.24		162.93
88	17:16: 0	31.950	12828.44	992.71	
89	17:31: 0	32.200	7727.24		162.93
90	17:46: 0	32.450	12828.43	992.70	
91	18: 1: 0	32.700	7727.26		162.93
92	18:16: 0	32.950	12828.41	992.67	
93	18:31: 0	33.200	7727.23		162.93
94	18:46: 0	33.450	12828.39	992.65	
95	19: 1: 0	33.700	7727.28		162.93
96	19:16: 0	33.950	12828.38	992.62	
97	19:31: 0	34.200	7727.29		162.93
98	19:46: 0	34.450	12828.37	992.61	
99	20: 1: 0	34.700	7727.33		162.93
100	20:16: 0	34.950	12828.36	992.60	

DATE: 11/14/87
GAUGE SN #70059
WELL # 0
TEST # 1008

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL
Shut in on 11-15-87

DATA FILE: 4

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	20:31: 0	35.200	7727.28		162.93
2	20:46: 0	35.450	12828.35	992.59	
3	21: 1: 0	35.700	7727.25		162.93
4	21:16: 0	35.950	12828.35	992.58	
5	21:31: 0	36.200	7727.29		162.93
6	21:46: 0	36.450	12828.34	992.58	
7	22: 1: 0	36.700	7727.23		162.93
8	22:16: 0	36.950	12828.33	992.56	
9	22:31: 0	37.200	7727.24		162.93
10	22:46: 0	37.450	12828.31	992.54	
11	23: 1: 0	37.700	7727.20		162.92
12	23:16: 0	37.950	12828.30	992.52	
13	23:31: 0	38.200	7727.25		162.93
14	23:46: 0	38.450	12828.29	992.51	
15	0: 1: 0	38.700	7727.19		162.92
16	0:16: 0	38.950	12828.28	992.49	
17	0:31: 0	39.200	7727.19		162.92
18	0:46: 0	39.450	12828.26	992.47	
19	1: 1: 0	39.700	7727.18		162.92
20	1:16: 0	39.950	12828.25	992.45	
21	1:31: 0	40.200	7727.24		162.93
22	1:46: 0	40.450	12828.23	992.42	
23	2: 1: 0	40.700	7727.19		162.92
24	2:16: 0	40.950	12828.23	992.41	
25	2:31: 0	41.200	7727.24		162.93
26	2:46: 0	41.450	12828.20	992.38	
27	3: 1: 0	41.700	7727.24		162.93
28	3:16: 0	41.950	12828.18	992.35	
29	3:31: 0	42.200	7727.23		162.93
30	3:46: 0	42.450	12828.17	992.34	
31	4: 1: 0	42.700	7727.26		162.93
32	4:16: 0	42.950	12828.15	992.31	
33	4:31: 0	43.200	7727.24		162.93
34	4:46: 0	43.450	12828.14	992.30	
35	5: 1: 0	43.700	7727.25		162.93
36	5:16: 0	43.950	12828.13	992.28	
37	5:31: 0	44.200	7727.32		162.93
38	5:46: 0	44.450	12828.12	992.27	
39	6: 1: 0	44.700	7727.29		162.93
40	6:16: 0	44.950	12828.11	992.25	
41	6:31: 0	45.200	7727.29		162.93
42	6:46: 0	45.450	12828.10	992.24	
43	7: 1: 0	45.700	7727.30		162.93
44	7:16: 0	45.950	12828.09	992.22	
45	7:31: 0	46.200	7727.26		162.93
46	7:46: 0	46.450	12828.07	992.21	
47	8: 1: 0	46.700	7727.28		162.93
48	8:16: 0	46.950	12828.05	992.18	
49	8:31: 0	47.200	7727.28		162.93
50	8:46: 0	47.450	12828.04	992.16	

DATE: 11/15/87
GAUGE SN #70059
WELL # 0
TEST # 1008

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL
Shut in on 11-16-87

DATA FILE: 4

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	9: 1: 0	47.700	7727.24		162.93
52	9:16: 0	47.950	12828.02	992.14	
53	9:31: 0	48.200	7727.28		162.93
54	9:46: 0	48.450	12828.01	992.12	
55	10: 1: 0	48.700	7727.31		162.93
56	10:16: 0	48.950	12828.00	992.11	
57	10:31: 0	49.200	7727.27		162.93
58	10:46: 0	49.450	12827.98	992.09	
59	11: 1: 0	49.700	7727.25		162.93
60	11:16: 0	49.950	12827.97	992.07	
61	11:31: 0	50.200	7727.28		162.93
62	11:46: 0	50.450	12827.95	992.04	
63	12: 1: 0	50.700	7727.27		162.93
64	12:16: 0	50.950	12827.95	992.04	
65	12:31: 0	51.200	7727.29		162.93
66	12:46: 0	51.450	12827.94	992.01	
67	13: 1: 0	51.700	7727.24		162.93
68	13:16: 0	51.950	12827.92	991.99	
69	13:31: 0	52.200	7727.26		162.93
70	13:46: 0	52.450	12827.91	991.97	
71	14: 1: 0	52.700	7727.25		162.93
72	14:16: 0	52.950	12827.89	991.94	
73	14:31: 0	53.200	7727.26		162.93
74	14:46: 0	53.450	12827.87	991.92	
75	15: 1: 0	53.700	7727.25		162.93
76	15:16: 0	53.950	12827.85	991.90	
77	15:31: 0	54.200	7727.27		162.93
78	15:46: 0	54.450	12827.84	991.88	
79	16: 1: 0	54.700	7727.32		162.93
80	16:16: 0	54.950	12827.83	991.87	
81	16:31: 0	55.200	7727.25		162.93
82	16:46: 0	55.450	12827.81	991.84	
83	17: 1: 0	55.700	7727.32		162.93
84	17:16: 0	55.950	12827.79	991.81	
85	17:31: 0	56.200	7727.30		162.93
86	17:46: 0	56.450	12827.78	991.80	
87	18: 1: 0	56.700	7727.33		162.93
88	18:16: 0	56.950	12827.76	991.77	
89	18:31: 0	57.200	7727.27		162.93
90	18:46: 0	57.450	12827.75	991.75	
91	19: 1: 0	57.700	7727.27		162.93
92	19:16: 0	57.950	12827.73	991.74	
93	19:31: 0	58.200	7727.31		162.93
94	19:46: 0	58.450	12827.72	991.72	
95	20: 1: 0	58.700	7727.26		162.93
96	20:16: 0	58.950	12827.71	991.71	
97	20:31: 0	59.200	7727.25		162.93
98	20:46: 0	59.450	12827.69	991.67	
99	21: 1: 0	59.700	7727.29		162.93
100	21:16: 0	59.950	12827.68	991.66	

DATE: 11/15/87
GAUGE SN #70059
WELL # 0
TEST # 1008

DATA FILE: 5

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL
Shut in on 11-16-87

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	21:31: 0	60.200	7727.25		162.93
2	21:46: 0	60.450	12827.67	991.65	
3	22: 1: 0	60.700	7727.25		162.93
4	22:16: 0	60.950	12827.65	991.62	
5	22:31: 0	61.200	7727.29		162.93
6	22:46: 0	61.450	12827.63	991.60	
7	23: 1: 0	61.700	7727.26		162.93
8	23:16: 0	61.950	12827.63	991.59	
9	23:31: 0	62.200	7727.28		162.93
10	23:46: 0	62.450	12827.62	991.57	
11	0: 1: 0	62.700	7727.31		162.93
12	0:16: 0	62.950	12827.59	991.54	
13	0:31: 0	63.200	7727.25		162.93
14	0:46: 0	63.450	12827.58	991.52	
15	1: 1: 0	63.700	7727.32		162.93
16	1:16: 0	63.950	12827.57	991.50	
17	1:31: 0	64.200	7727.25		162.93
18	1:46: 0	64.450	12827.54	991.47	
19	2: 1: 0	64.700	7727.33		162.93
20	2:16: 0	64.950	12827.54	991.47	
21	2:31: 0	65.200	7727.34		162.93
22	2:46: 0	65.450	12827.52	991.44	
23	3: 1: 0	65.700	7727.32		162.93
24	3:16: 0	65.950	12827.50	991.41	
25	3:31: 0	66.200	7727.30		162.93
26	3:46: 0	66.450	12827.48	991.38	
27	4: 1: 0	66.700	7727.37		162.94
28	4:16: 0	66.950	12827.46	991.35	
29	4:31: 0	67.200	7727.37		162.94
30	4:46: 0	67.450	12827.44	991.33	
31	5: 1: 0	67.700	7727.32		162.93
32	5:16: 0	67.950	12827.43	991.31	
33	5:31: 0	68.200	7727.31		162.93
34	5:46: 0	68.450	12827.41	991.29	
35	6: 1: 0	68.700	7727.32		162.93
36	6:16: 0	68.950	12827.39	991.26	
37	6:31: 0	69.200	7727.36		162.94
38	6:46: 0	69.450	12827.39	991.26	
39	7: 1: 0	69.700	7727.32		162.93
40	7:16: 0	69.950	12827.38	991.24	
41	7:31: 0	70.200	7727.35		162.94
42	7:46: 0	70.450	12827.37	991.23	
43	8: 1: 0	70.700	7727.34		162.93
44	8:16: 0	70.950	12827.36	991.22	
45	8:31: 0	71.200	7727.33		162.93
46	8:46: 0	71.450	12827.34	991.20	
47	9: 1: 0	71.700	7727.32		162.93
48	9:16: 0	71.950	12827.34	991.19	
49	9:31: 0	72.200	7727.35		162.94
50	9:46: 0	72.450	12827.33	991.17	

DATE: 11/16/87
GAUGE SN #70059
WELL # 0
TEST # 1008

DATA FILE: 5

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL
Shut in on 11-16-87

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	10: 1: 0	72.700	7727.36		162.94
52	10:16: 0	72.950	12827.32	991.16	
53	10:31: 0	73.200	7727.35		162.94
54	10:46: 0	73.450	12827.31	991.15	
55	11: 1: 0	73.700	7727.36		162.94
56	11:16: 0	73.950	12827.30	991.13	
57	11:31: 0	74.200	7727.39		162.94
58	11:46: 0	74.450	12827.28	991.10	
59	12: 1: 0	74.700	7727.38		162.94
60	12:16: 0	74.950	12827.27	991.09	
61	12:31: 0	75.200	7727.43		162.94
62	12:46: 0	75.450	12827.26	991.08	
63	13: 1: 0	75.700	7727.40		162.94
64	13:16: 0	75.950	12827.24	991.06	
65	13:31: 0	76.200	7727.41		162.94
66	13:46: 0	76.450	12827.23	991.03	
67	14: 1: 0	76.700	7727.42		162.94
68	14:16: 0	76.950	12827.22	991.03	
69	14:31: 0	77.200	7727.32		162.93
70	14:46: 0	77.450	12827.20	991.00	
71	15: 1: 0	77.700	7727.38		162.94
72	15:16: 0	77.950	12827.19	990.99	
73	15:31: 0	78.200	7727.35		162.94
74	15:46: 0	78.450	12827.17	990.96	
75	16: 1: 0	78.700	7727.43		162.94
76	16:16: 0	78.950	12827.16	990.94	
77	16:31: 0	79.200	7727.35		162.94
78	16:46: 0	79.450	12827.14	990.92	
79	17: 1: 0	79.700	7727.36		162.94
80	17:16: 0	79.950	12827.12	990.89	
81	17:31: 0	80.200	7727.39		162.94
82	17:46: 0	80.450	12827.11	990.87	
83	18: 1: 0	80.700	7727.36		162.94
84	18:16: 0	80.950	12827.09	990.85	
85	18:31: 0	81.200	7727.36		162.94
86	18:46: 0	81.450	12827.08	990.83	
87	19: 1: 0	81.700	7727.41		162.94
88	19:16: 0	81.950	12827.06	990.80	
89	19:31: 0	82.200	7727.44		162.94
90	19:46: 0	82.450	12827.05	990.79	
91	20: 1: 0	82.700	7727.38		162.94
92	20:16: 0	82.950	12827.03	990.76	
93	20:31: 0	83.200	7727.40		162.94
94	20:46: 0	83.450	12827.01	990.74	
95	21: 1: 0	83.700	7727.37		162.94
96	21:16: 0	83.950	12827.00	990.73	
97	21:31: 0	84.200	7727.42		162.94
98	21:46: 0	84.450	12826.99	990.71	
99	22: 1: 0	84.700	7727.35		162.94
100	22:16: 0	84.950	12826.98	990.70	

DATE: 11/16/87
GAUGE SN #70059
WELL # 0
TEST # 1008

DATA FILE: 6

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL
Shut in on 11-16-87

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	22:31: 0	85.200	7727.39		162.94
2	22:46: 0	85.450	12826.96	990.67	
3	23: 1: 0	85.700	7727.45		162.94
4	23:16: 0	85.950	12826.95	990.65	
5	23:31: 0	86.200	7727.41		162.94
6	23:46: 0	86.450	12826.94	990.63	
7	0: 1: 0	86.700	7727.41		162.94
8	0:16: 0	86.950	12826.92	990.61	
9	0:31: 0	87.200	7727.42		162.94
10	0:46: 0	87.450	12826.90	990.59	
11	1: 1: 0	87.700	7727.44		162.94
12	1:16: 0	87.950	12826.89	990.57	
13	1:31: 0	88.200	7727.44		162.94
14	1:46: 0	88.450	12826.88	990.55	
15	2: 1: 0	88.700	7727.42		162.94
16	2:16: 0	88.950	12826.86	990.53	
17	2:31: 0	89.200	7727.46		162.94
18	2:46: 0	89.450	12826.84	990.50	
19	3: 1: 0	89.700	7727.40		162.94
20	3:16: 0	89.950	12826.82	990.48	
21	3:31: 0	90.200	7727.40		162.94
22	3:46: 0	90.450	12826.82	990.48	
23	4: 1: 0	90.700	7727.44		162.94
24	4:16: 0	90.950	12826.82	990.48	
25	4:31: 0	91.200	7727.47		162.94
26	4:46: 0	91.450	12826.82	990.47	
27	5: 1: 0	91.700	7727.44		162.94
28	5:16: 0	91.950	12826.81	990.46	
29	5:31: 0	92.200	7727.47		162.94
30	5:46: 0	92.450	12826.80	990.45	
31	6: 1: 0	92.700	7727.47		162.94
32	6:16: 0	92.950	12826.80	990.45	
33	6:31: 0	93.200	7727.43		162.94
34	6:46: 0	93.450	12826.80	990.44	
35	7: 1: 0	93.700	7727.42		162.94
36	7:16: 0	93.950	12826.79	990.43	
37	7:31: 0	94.200	7727.45		162.94
38	7:46: 0	94.450	12826.79	990.43	
39	8: 1: 0	94.700	7727.42		162.94
40	8:16: 0	94.950	12826.79	990.43	
41	8:31: 0	95.200	7727.44		162.94
42	8:46: 0	95.450	12826.80	990.44	
43	9: 1: 0	95.700	7727.48		162.95
44	9:16: 0	95.950	12826.79	990.43	
45	9:31: 0	96.200	7727.42		162.94
46	9:46: 0	96.450	12826.80	990.44	
47	10: 1: 0	96.700	7727.42		162.94
48	10:16: 0	96.950	12826.80	990.44	
49	10:31: 0	97.200	7727.41		162.94
50	10:46: 0	97.450	12826.80	990.44	

DATE: 11/17/87
GAUGE SN #70059
WELL # 0
TEST # 1008

DATA FILE: 6

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL
Shut in on 11-16-87

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	11: 1: 0	97.700	7727.42		162.94
52	11:16: 0	97.950	12826.79	990.43	
53	11:31: 0	98.200	7727.46		162.94
54	11:46: 0	98.450	12826.79	990.43	
55	12: 1: 0	98.700	7727.44		162.94
56	12:16: 0	98.950	12826.79	990.43	
57	12:31: 0	99.200	7727.41		162.94
58	12:46: 0	99.450	12826.77	990.41	
59	13: 1: 0	99.700	7727.37		162.94
60	13:16: 0	99.950	12826.77	990.41	
61	13:31: 0	100.200	7727.40		162.94
62	13:46: 0	100.450	12826.77	990.41	
63	14: 1: 0	100.700	7727.42		162.94
64	14:16: 0	100.950	12826.77	990.41	
65	14:31: 0	101.200	7727.44		162.94
66	14:46: 0	101.450	12826.77	990.41	
67	15: 1: 0	101.700	7727.42		162.94
68	15:16: 0	101.950	12826.77	990.40	
69	15:31: 0	102.200	7727.47		162.94
70	15:46: 0	102.450	12826.77	990.41	
71	16: 1: 0	102.700	7727.38		162.94
72	16:16: 0	102.950	12826.77	990.40	
73	16:31: 0	103.200	7727.41		162.94
74	16:46: 0	103.450	12826.77	990.40	
75	17: 1: 0	103.700	7727.36		162.94
76	17:16: 0	103.950	12826.76	990.39	
77	17:31: 0	104.200	7727.43		162.94
78	17:46: 0	104.450	12826.76	990.39	
79	18: 1: 0	104.700	7727.42		162.94
80	18:16: 0	104.950	12826.76	990.39	
81	18:31: 0	105.200	7727.37		162.94
82	18:46: 0	105.450	12826.76	990.39	
83	19: 1: 0	105.700	7727.41		162.94
84	19:16: 0	105.950	12826.76	990.39	
85	19:31: 0	106.200	7727.43		162.94
86	19:46: 0	106.450	12826.76	990.39	
87	20: 1: 0	106.700	7727.40		162.94
88	20:16: 0	106.950	12826.76	990.39	
89	20:31: 0	107.200	7727.41		162.94
90	20:46: 0	107.450	12826.75	990.38	
91	21: 1: 0	107.700	7727.46		162.94
92	21:16: 0	107.950	12826.76	990.39	
93	21:31: 0	108.200	7727.46		162.94
94	21:46: 0	108.450	12826.76	990.39	
95	22: 1: 0	108.700	7727.41		162.94
96	22:16: 0	108.950	12826.76	990.39	
97	22:31: 0	109.200	7727.41		162.94
98	22:46: 0	109.450	12826.75	990.38	
99	23: 1: 0	109.700	7727.43		162.94
100	23:16: 0	109.950	12826.76	990.39	

DATE: 11/17/87
GAUGE SN #70059
WELL # 0
TEST # 1008

DATA FILE: 7

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL
Shut in on 11-16-87

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	23:31: 0	110.200	7727.46		162.94
2	23:46: 0	110.450	12826.76	990.39	
3	0: 1: 0	110.700	7727.42		162.94
4	0:16: 0	110.950	12826.75	990.37	
5	0:31: 0	111.200	7727.48		162.95
6	0:46: 0	111.450	12826.75	990.38	
7	1: 1: 0	111.700	7727.49		162.95
8	1:16: 0	111.950	12826.76	990.39	
9	1:31: 0	112.200	7727.44		162.94
10	1:46: 0	112.450	12826.76	990.39	
11	2: 1: 0	112.700	7727.47		162.94
12	2:16: 0	112.950	12826.76	990.39	
13	2:31: 0	113.200	7727.48		162.95
14	2:46: 0	113.450	12826.76	990.39	
15	3: 1: 0	113.700	7727.48		162.95
16	3:16: 0	113.950	12826.76	990.39	
17	3:31: 0	114.200	7727.48		162.95
18	3:46: 0	114.450	12826.77	990.40	
19	4: 1: 0	114.700	7727.48		162.95
20	4:16: 0	114.950	12826.77	990.40	
21	4:31: 0	115.200	7727.48		162.95
22	4:46: 0	115.450	12826.79	990.43	
23	5: 1: 0	115.700	7727.51		162.95
24	5:16: 0	115.950	12826.78	990.42	
25	5:31: 0	116.200	7727.53		162.95
26	5:46: 0	116.450	12826.79	990.43	
27	6: 1: 0	116.700	7727.49		162.95
28	6:16: 0	116.950	12826.80	990.44	
29	6:31: 0	117.200	7727.46		162.94
30	6:46: 0	117.450	12826.80	990.45	
31	7: 1: 0	117.700	7727.48		162.95
32	7:16: 0	117.950	12826.81	990.46	
33	7:31: 0	118.200	7727.47		162.94
34	7:46: 0	118.450	12826.82	990.48	
35	8: 1: 0	118.700	7727.47		162.94
36	8:16: 0	118.950	12826.84	990.50	
37	8:31: 0	119.200	7727.49		162.95
38	8:46: 0	119.450	12826.86	990.53	
39	9: 1: 0	119.700	7727.53		162.95
40	9:16: 0	119.950	12826.88	990.55	
41	9:31: 0	120.200	7727.44		162.94
42	9:46: 0	120.450	12826.89	990.56	
43	10: 1: 0	120.700	7727.48		162.95
44	10:16: 0	120.950	12826.89	990.57	
45	10:31: 0	121.200	7727.49		162.95
46	10:46: 0	121.450	12826.90	990.58	
47	11: 1: 0	121.700	7727.47		162.94
48	11:16: 0	121.950	12826.90	990.59	
49	11:31: 0	122.200	7727.49		162.95
50	11:46: 0	122.450	12826.91	990.59	

DATE: 11/18/87
GAUGE SN #70059
WELL # 0
TEST # 1008

COMPANY: BMS
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL
Shut in on 11-18-87

DATA FILE: 7

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	12: 1: 0	122.700	7727.51		162.95
52	12:16: 0	122.950	12826.91	990.59	
53	12:31: 0	123.200	7727.52		162.95
54	12:46: 0	123.450	12826.91	990.59	
55	13: 1: 0	123.700	7727.48		162.95
56	13:16: 0	123.950	12826.91	990.59	
57	13:31: 0	124.200	7727.47		162.94
58	13:46: 0	124.450	12826.91	990.60	
59	14: 1: 0	124.700	7727.48		162.95
60	14:16: 0	124.950	12826.92	990.61	
61	14:31: 0	125.200	7727.46		162.94
62	14:46: 0	125.450	12826.93	990.63	
63	15: 1: 0	125.700	7727.51		162.95
64	15:16: 0	125.950	12826.93	990.62	
65	15:31: 0	126.200	7727.46		162.94
66	15:46: 0	126.450	12826.93	990.63	
67	16: 1: 0	126.700	7727.50		162.95
68	16:16: 0	126.950	12826.94	990.64	
69	16:31: 0	127.200	7727.47		162.94
70	16:46: 0	127.450	12826.93	990.63	
71	17: 1: 0	127.700	7727.51		162.95
72	17:16: 0	127.950	12826.94	990.63	
73	17:31: 0	128.200	7727.48		162.95
74	17:46: 0	128.450	12826.94	990.63	
75	18: 1: 0	128.700	7727.49		162.95
76	18:16: 0	128.950	12826.94	990.64	
77	18:31: 0	129.200	7727.52		162.95
78	18:46: 0	129.450	12826.95	990.65	
79	19: 1: 0	129.700	7727.51		162.95
80	19:16: 0	129.950	12826.96	990.66	
81	19:31: 0	130.200	7727.54		162.95
82	19:46: 0	130.450	12826.96	990.67	
83	20: 1: 0	130.700	7727.52		162.95
84	20:16: 0	130.950	12826.97	990.68	
85	20:31: 0	131.200	7727.50		162.95
86	20:46: 0	131.450	12826.98	990.69	
87	21: 1: 0	131.700	7727.55		162.95
88	21:16: 0	131.950	12826.98	990.69	
89	21:31: 0	132.200	7727.54		162.95
90	21:46: 0	132.450	12826.99	990.71	
91	22: 1: 0	132.700	7727.51		162.95
92	22:16: 0	132.950	12826.99	990.71	
93	22:31: 0	133.200	7727.51		162.95
94	22:46: 0	133.450	12827.00	990.73	
95	23: 1: 0	133.700	7727.56		162.95
96	23:16: 0	133.950	12827.02	990.75	
97	23:31: 0	134.200	7727.52		162.95
98	23:46: 0	134.450	12827.02	990.75	
99	0: 1: 0	134.700	7727.52		162.95
100	0:16: 0	134.950	12827.03	990.76	

DATE: 11/19/87
GAUGE SN #70059
WELL # 0
TEST # 1008

DATA FILE: 8

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL
Shut in on 11-16-87

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	0:31: 0	135.200	7727.56		162.95
2	0:46: 0	135.450	12827.03	990.76	
3	1: 1: 0	135.700	7727.54		162.95
4	1:16: 0	135.950	12827.03	990.76	
5	1:31: 0	136.200	7727.57		162.95
6	1:46: 0	136.450	12827.04	990.78	
7	2: 1: 0	136.700	7727.53		162.95
8	2:16: 0	136.950	12827.05	990.79	
9	2:31: 0	137.200	7727.54		162.95
10	2:46: 0	137.450	12827.06	990.80	
11	3: 1: 0	137.700	7727.51		162.95
12	3:16: 0	137.950	12827.07	990.82	
13	3:31: 0	138.200	7727.56		162.95
14	3:46: 0	138.450	12827.08	990.83	
15	4: 1: 0	138.700	7727.51		162.95
16	4:16: 0	138.950	12827.09	990.84	
17	4:31: 0	139.200	7727.53		162.95
18	4:46: 0	139.450	12827.10	990.86	
19	5: 1: 0	139.700	7727.50		162.95
20	5:16: 0	139.950	12827.11	990.87	
21	5:31: 0	140.200	7727.51		162.95
22	5:46: 0	140.450	12827.12	990.89	
23	6: 1: 0	140.700	7727.53		162.95
24	6:16: 0	140.950	12827.13	990.89	
25	6:31: 0	141.200	7727.51		162.95
26	6:46: 0	141.450	12827.14	990.92	
27	7: 1: 0	141.700	7727.53		162.95
28	7:16: 0	141.950	12827.14	990.92	
29	7:31: 0	142.200	7727.53		162.95
30	7:46: 0	142.450	12827.15	990.93	
31	8: 1: 0	142.700	7727.52		162.95
32	8:16: 0	142.950	12827.19	990.98	
33	8:31: 0	143.200	7727.56		162.95
34	8:46: 0	143.450	12827.22	991.02	
35	9: 1: 0	143.700	7727.51		162.95
36	9:16: 0	143.950	12827.24	991.05	
37	9:31: 0	144.200	7727.52		162.95
38	9:46: 0	144.450	12827.27	991.09	
39	10: 1: 0	144.700	7727.53		162.95
40	10:16: 0	144.950	12827.28	991.11	
41	10:31: 0	145.200	7727.54		162.95
42	10:46: 0	145.450	12827.30	991.14	
43	11: 1: 0	145.700	7727.56		162.95
44	11:16: 0	145.950	12827.32	991.16	
45	11:31: 0	146.200	7727.50		162.95
46	11:46: 0	146.450	12827.33	991.18	
47	12: 1: 0	146.700	7727.52		162.95
48	12:16: 0	146.950	12827.35	991.20	
49	12:31: 0	147.200	7727.48		162.95
50	12:46: 0	147.450	12827.37	991.23	

DATE: 11/19/87
GAUGE SN #70059
WELL # 0
TEST # 1008

DATA FILE: 8

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL
Shut in on 11-16-87

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	13: 1: 0	147.700	7727.47		162.94
52	13:16: 0	147.950	12827.38	991.24	
53	13:31: 0	148.200	7727.51		162.95
54	13:46: 0	148.450	12827.39	991.26	
55	14: 1: 0	148.700	7727.48		162.95
56	14:16: 0	148.950	12827.41	991.28	
57	14:31: 0	149.200	7727.55		162.95
58	14:46: 0	149.450	12827.43	991.31	
59	15: 1: 0	149.700	7727.49		162.95
60	15:16: 0	149.950	12827.44	991.33	
61	15:31: 0	150.200	7727.54		162.95
62	15:46: 0	150.450	12827.46	991.36	
63	16: 1: 0	150.700	7727.49		162.95
64	16:16: 0	150.950	12827.48	991.38	
65	16:31: 0	151.200	7727.53		162.95
66	16:46: 0	151.450	12827.49	991.40	
67	17: 1: 0	151.700	7727.51		162.95
68	17:16: 0	151.950	12827.50	991.41	
69	17:31: 0	152.200	7727.52		162.95
70	17:46: 0	152.450	12827.53	991.45	
71	18: 1: 0	152.700	7727.48		162.95
72	18:16: 0	152.950	12827.54	991.47	
73	18:31: 0	153.200	7727.56		162.95
74	18:46: 0	153.450	12827.56	991.49	
75	19: 1: 0	153.700	7727.57		162.95
76	19:16: 0	153.950	12827.58	991.52	
77	19:31: 0	154.200	7727.53		162.95
78	19:46: 0	154.450	12827.59	991.53	
79	20: 1: 0	154.700	7727.52		162.95
80	20:16: 0	154.950	12827.61	991.56	
81	20:31: 0	155.200	7727.50		162.95
82	20:46: 0	155.450	12827.62	991.58	
83	21: 1: 0	155.700	7727.52		162.95
84	21:16: 0	155.950	12827.64	991.60	
85	21:31: 0	156.200	7727.54		162.95
86	21:46: 0	156.450	12827.66	991.63	
87	22: 1: 0	156.700	7727.54		162.95
88	22:16: 0	156.950	12827.67	991.65	
89	22:31: 0	157.200	7727.54		162.95
90	22:46: 0	157.450	12827.69	991.67	
91	23: 1: 0	157.700	7727.51		162.95
92	23:16: 0	157.950	12827.70	991.69	
93	23:31: 0	158.200	7727.51		162.95
94	23:46: 0	158.450	12827.72	991.71	
95	0: 1: 0	158.700	7727.52		162.95
96	0:16: 0	158.950	12827.74	991.74	
97	0:31: 0	159.200	7727.59		162.95
98	0:46: 0	159.450	12827.76	991.77	
99	1: 1: 0	159.700	7727.58		162.95
100	1:16: 0	159.950	12827.77	991.79	

DATE: 11/20/87
GAUGE SN #70059
WELL # 0
TEST # 1008

DATA FILE: 9

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL
Shut in on 11-16-87

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE °F
1	1:31: 0	160.200	7727.56		162.95
2	1:46: 0	160.450	12827.80	991.82	
3	2: 1: 0	160.700	7727.55		162.95
4	2:16: 0	160.950	12827.82	991.85	
5	2:31: 0	161.200	7727.54		162.95
6	2:46: 0	161.450	12827.84	991.88	
7	3: 1: 0	161.700	7727.54		162.95
8	3:16: 0	161.950	12827.86	991.90	
9	3:31: 0	162.200	7727.52		162.95
10	3:46: 0	162.450	12827.88	991.94	
11	4: 1: 0	162.700	7727.51		162.95
12	4:16: 0	162.950	12827.91	991.97	
13	4:31: 0	163.200	7727.53		162.95
14	4:46: 0	163.450	12827.92	991.99	
15	5: 1: 0	163.700	7727.56		162.95
16	5:16: 0	163.950	12827.95	992.03	
17	5:31: 0	164.200	7727.60		162.96
18	5:46: 0	164.450	12827.97	992.06	
19	6: 1: 0	164.700	7727.54		162.95
20	6:16: 0	164.950	12827.99	992.08	
21	6:31: 0	165.200	7727.58		162.95
22	6:46: 0	165.450	12828.01	992.11	
23	7: 1: 0	165.700	7727.53		162.95
24	7:16: 0	165.950	12828.02	992.13	
25	7:31: 0	166.200	7727.52		162.95
26	7:46: 0	166.450	12828.05	992.17	
27	8: 1: 0	166.700	7727.52		162.95
28	8:16: 0	166.950	12828.08	992.21	
29	8:31: 0	167.200	7727.55		162.95
30	8:46: 0	167.450	12828.10	992.24	
31	9: 1: 0	167.700	7727.51		162.95
32	9:16: 0	167.950	12828.12	992.27	
33	9:31: 0	168.200	7727.55		162.95
34	9:46: 0	168.450	12828.15	992.31	
35	10: 1: 0	168.700	7727.53		162.95
36	10:16: 0	168.950	12828.17	992.34	
37	10:31: 0	169.200	7727.52		162.95
38	10:46: 0	169.450	12828.19	992.36	
39	11: 1: 0	169.700	7727.51		162.95
40	11:16: 0	169.950	12828.21	992.39	
41	11:31: 0	170.200	7727.55		162.95
42	11:46: 0	170.450	12828.23	992.41	
43	12: 1: 0	170.700	7727.52		162.95
44	12:16: 0	170.950	12828.25	992.44	
45	12:31: 0	171.200	7727.54		162.95
46	12:46: 0	171.450	12828.26	992.47	
47	13: 1: 0	171.700	7727.53		162.95
48	13:16: 0	171.950	12828.28	992.49	
49	13:31: 0	172.200	7727.58		162.95
50	13:46: 0	172.450	12828.30	992.52	

DATE: 11/20/87
GAUGE SN #70059
WELL # 0
TEST # 1008

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL
Shut in on 11-16-87

DATA FILE: 8

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	14: 1: 0	172.700	7727.51		162.95
52	14:16: 0	172.950	12828.32	992.54	
53	14:31: 0	173.200	7727.55		162.95
54	14:46: 0	173.450	12828.34	992.57	
55	15: 1: 0	173.700	7727.56		162.95
56	15:16: 0	173.950	12828.36	992.60	
57	15:31: 0	174.200	7727.54		162.95
58	15:46: 0	174.450	12828.38	992.63	
59	16: 1: 0	174.700	7727.55		162.95
60	16:16: 0	174.950	12828.40	992.65	
61	16:31: 0	175.200	7727.56		162.95
62	16:46: 0	175.450	12828.42	992.67	
63	17: 1: 0	175.700	7727.53		162.95
64	17:16: 0	175.950	12828.42	992.68	
65	17:31: 0	176.200	7727.53		162.95
66	17:46: 0	176.450	12828.44	992.71	
67	18: 1: 0	176.700	7727.50		162.95
68	18:16: 0	176.950	12828.46	992.74	
69	18:31: 0	177.200	7727.52		162.95
70	18:46: 0	177.450	12828.48	992.76	
71	19: 1: 0	177.700	7727.51		162.95
72	19:16: 0	177.950	12828.50	992.79	
73	19:31: 0	178.200	7727.52		162.95
74	19:46: 0	178.450	12828.52	992.81	
75	20: 1: 0	178.700	7727.56		162.95
76	20:16: 0	178.950	12828.54	992.85	
77	20:31: 0	179.200	7727.56		162.95
78	20:46: 0	179.450	12828.57	992.88	
79	21: 1: 0	179.700	7727.54		162.95
80	21:16: 0	179.950	12828.58	992.90	
81	21:31: 0	180.200	7727.55		162.95
82	21:46: 0	180.450	12828.60	992.93	
83	22: 1: 0	180.700	7727.56		162.95
84	22:16: 0	180.950	12828.62	992.96	
85	22:31: 0	181.200	7727.56		162.95
86	22:46: 0	181.450	12828.64	992.99	
87	23: 1: 0	181.700	7727.58		162.95
88	23:16: 0	181.950	12828.67	993.02	
89	23:31: 0	182.200	7727.55		162.95
90	23:46: 0	182.450	12828.69	993.06	
91	0: 1: 0	182.700	7727.52		162.95
92	0:16: 0	182.950	12828.72	993.09	
93	0:31: 0	183.200	7727.58		162.95
94	0:46: 0	183.450	12828.73	993.11	
95	1: 1: 0	183.700	7727.56		162.95
96	1:16: 0	183.950	12828.76	993.15	
97	1:31: 0	184.200	7727.53		162.95
98	1:46: 0	184.450	12828.78	993.18	
99	2: 1: 0	184.700	7727.56		162.95
100	2:16: 0	184.950	12828.80	993.21	

DATE: 11/21/87
GAUGE SN #70059
WELL # 0
TEST # 1008

DATA FILE: 10

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL
Shut in on 11-16-87

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	2:31: 0	185.200	7727.54		162.95
2	2:46: 0	185.450	12828.83	993.25	
3	3: 1: 0	185.700	7727.54		162.95
4	3:16: 0	185.950	12828.85	993.28	
5	3:31: 0	186.200	7727.52		162.95
6	3:46: 0	186.450	12828.88	993.31	
7	4: 1: 0	186.700	7727.56		162.95
8	4:16: 0	186.950	12828.90	993.35	
9	4:31: 0	187.200	7727.56		162.95
10	4:46: 0	187.450	12828.93	993.38	
11	5: 1: 0	187.700	7727.58		162.95
12	5:16: 0	187.950	12828.95	993.41	
13	5:31: 0	188.200	7727.59		162.95
14	5:46: 0	188.450	12828.98	993.45	
15	6: 1: 0	188.700	7727.58		162.95
16	6:16: 0	188.950	12829.00	993.48	
17	6:31: 0	189.200	7727.60		162.96
18	6:46: 0	189.450	12829.02	993.51	
19	7: 1: 0	189.700	7727.57		162.95
20	7:16: 0	189.950	12829.06	993.56	
21	7:31: 0	190.200	7727.57		162.95
22	7:46: 0	190.450	12829.08	993.59	
23	8: 1: 0	190.700	7727.56		162.95
24	8:16: 0	190.950	12829.11	993.64	
25	8:31: 0	191.200	7727.54		162.95
26	8:46: 0	191.450	12829.14	993.67	
27	9: 1: 0	191.700	7727.57		162.95
28	9:16: 0	191.950	12829.17	993.72	
29	9:31: 0	192.200	7727.58		162.95
30	9:46: 0	192.450	12829.19	993.74	
31	10: 1: 0	192.700	7727.57		162.95
32	10:16: 0	192.950	12829.21	993.77	
33	10:31: 0	193.200	7727.58		162.95
34	10:46: 0	193.450	12829.23	993.80	
35	11: 1: 0	193.700	7727.57		162.95
36	11:16: 0	193.950	12829.24	993.82	
37	11:31: 0	194.200	7727.56		162.95
38	11:46: 0	194.450	12829.26	993.85	
39	12: 1: 0	194.700	7727.56		162.95
40	12:16: 0	194.950	12829.28	993.87	
41	12:31: 0	195.200	7727.61		162.96
42	12:46: 0	195.450	12829.30	993.89	
43	13: 1: 0	195.700	7727.58		162.95
44	13:16: 0	195.950	12829.31	993.91	
45	13:31: 0	196.200	7727.60		162.96
46	13:46: 0	196.450	12819.07	979.78	
47	14: 1: 0	196.700	6546.28		67.76
48	14:16: 0	196.950	12037.47	13.63	
49	14:31: 0	197.200	6376.48		54.19
50	14:46: 0	197.450	12036.82	13.50	

DATE: 11/21/87
GAUGE SN #70059
WELL # 0
TEST # 1008

DATA FILE: 10

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL
Shut in on 11-16-87

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	15: 1: 0	197.700	12036.88		522.71
52	15:16: 0	197.950	21811.42		4142.90
53	15:31: 0	198.200	21811.42		4142.90
54	14:46: 0	221.450	12828.34	992.57	
55	15: 1: 0	221.700	7727.56		162.95
56	15:16: 0	221.950	12828.36	992.60	
57	15:31: 0	222.200	7727.54		162.95
58	15:46: 0	222.450	12828.38	992.63	
59	16: 1: 0	222.700	7727.55		162.95
60	16:16: 0	222.950	12828.40	992.65	
61	16:31: 0	223.200	7727.56		162.95
62	16:46: 0	223.450	12828.42	992.67	
63	17: 1: 0	223.700	7727.53		162.95
64	17:16: 0	223.950	12828.42	992.68	
65	17:31: 0	224.200	7727.53		162.95
66	17:46: 0	224.450	12828.44	992.71	
67	18: 1: 0	224.700	7727.50		162.95
68	18:16: 0	224.950	12828.46	992.74	
69	18:31: 0	225.200	7727.52		162.95
70	18:46: 0	225.450	12828.48	992.76	
71	19: 1: 0	225.700	7727.51		162.95
72	19:16: 0	225.950	12828.50	992.79	
73	19:31: 0	226.200	7727.52		162.95
74	19:46: 0	226.450	12828.52	992.81	
75	20: 1: 0	226.700	7727.56		162.95
76	20:16: 0	226.950	12828.54	992.85	
77	20:31: 0	227.200	7727.56		162.95
78	20:46: 0	227.450	12828.57	992.88	
79	21: 1: 0	227.700	7727.54		162.95
80	21:16: 0	227.950	12828.58	992.90	
81	21:31: 0	228.200	7727.55		162.95
82	21:46: 0	228.450	12828.60	992.93	
83	22: 1: 0	228.700	7727.56		162.95
84	22:16: 0	228.950	12828.62	992.96	
85	22:31: 0	229.200	7727.56		162.95
86	22:46: 0	229.450	12828.64	992.99	
87	23: 1: 0	229.700	7727.58		162.95
88	23:16: 0	229.950	12828.67	993.02	
89	23:31: 0	230.200	7727.55		162.95
90	23:46: 0	230.450	12828.69	993.06	
91	0: 1: 0	230.700	7727.52		162.95
92	0:16: 0	230.950	12828.72	993.09	
93	0:31: 0	231.200	7727.58		162.95
94	0:46: 0	231.450	12828.73	993.11	
95	1: 1: 0	231.700	7727.56		162.95
96	1:16: 0	231.950	12828.76	993.15	
97	1:31: 0	232.200	7727.53		162.95
98	1:46: 0	232.450	12828.78	993.18	
99	2: 1: 0	232.700	7727.56		162.95
100	2:16: 0	232.950	12828.80	993.21	

RESERVOIR VOIDAGE. BFPD.

CANADA OJITOS UNIT F-18

$$\text{BFPD} = (\text{STB} * \text{Bo}) + (\text{GOR} - \text{Rs}) * (\text{Pb}/\text{P} * \text{Tf}/\text{Tb} * \text{Z}) * (1/5.6146)$$

INPUT:

$$\begin{aligned} \text{Rs, cf/bbl} &= 400.0 \\ \text{Bo, rbl/stb} &= 1.2700 \\ \text{Pb, psia} &= 15.0250 \\ \text{P, psia} &= 1000.0 \\ \text{Tf, R} &= 630.0 \\ \text{Tb, R} &= 520.0 \\ \text{Z} &= 0.8500 \end{aligned}$$

$$\begin{aligned} f_1 &= (\text{Pb}/\text{P} * \text{Tf}/\text{Tb} * \text{Z}) / 5.6146 \\ f_1 &= 0.002756 \end{aligned}$$

Days from	Days	Summation of field generated				Monthly Actual			Ratio To Field Gauge		Corrected Field Gauges		Actual Daily		Reservoir Total	
		Oil	Gas	Mcf	bbl	Oil	Gas	Mcf	Oil	Gas	Oil	Gas	Oil	Gas	BBL per STB	Reservoir BBLs
10-31-87																
		Oil	Gas	Mcf	bbl	Oil	Gas	Mcf	Oil	Gas	Oil	Gas	Oil	Gas	Oil	Gas
		5449.0	2755.0	2707.0	5004.0	0.9150	0.9826	0.9826	0.9150	0.9826	0.9150	0.9826	0.9150	0.9826	0.9150	0.9826
November Total:		5449.0	2755.0	2707.0	5004.0	0.9150	0.9826	0.9826	0.9150	0.9826	0.9150	0.9826	0.9150	0.9826	0.9150	0.9826
1-10	1-10	3731.0	1895.0			0.9150	0.9826	10	0.9150	0.9826	3413.8	1862.0	341.4	186.2	545.4	1.6708
11-14	11-14	958.0	480.0			0.9150	0.9826	4	0.9150	0.9826	876.5	471.6	219.1	117.9	538.1	1.6505
15-16	15-16	780.0	380.0			0.9150	0.9826	2	0.9150	0.9826	713.7	373.4	356.8	186.7	523.2	1.6094

RESERVOIR VOIDAGE. BFPD.

CANADA OUIROS UNIT F-19

$$\text{BFPD} = (\text{STB} * \text{Bo}) + (\text{GOR} - \text{Rs}) * (\text{Pb}/\text{P} * \text{Tf}/\text{Tb} * \text{Z}) * (1/5.6146)$$

INPUT:

$\text{Rs, cf/bbl} = 400.0$
 $\text{Bo, rbl/stb} = 1.2700$
 $\text{Pb, psia} = 15.0250$
 $\text{P, psia} = 1000.0$
 $\text{Tf, R} = 630.0$
 $\text{Tb, R} = 520.0$
 $\text{Z} = 0.8500$

$\text{f1} = (\text{Pb}/\text{P} * \text{Tf}/\text{Tb} * \text{Z}) / 5.6146$
 $\text{f1} = 0.002756$

Days from 10-31-87	Days	Summation of field generated			Monthly Actual		Ratio To Field Gauge		Corrected Field Gauges			Actual Daily		Reservoir Total	
		Oil bbl	Gas Mcf		Oil bbl	Gas Mcf	Oil	Gas	No. Days	Total Oil	Total Gas	Oil BOPD	Gas MCFPD	BBL per STB	BBLs BFPD
November Total:		712.0	10705.0		730.0	11790.0	1.0253	1.1014		730.0	11790.0	52.1	842.1	44.6761	2329.5
1-14	1-14	712.0	10705.0				1.0253	1.1014	14						

RESERVOIR VOIDAGE, BFPD.

CANADA OJITOS UNIT F-30

$$BFPD = (STBO * B_0) + (GOR - R_5) * (P_b/P * T_f/T_b * Z) * (1/5.6146)$$

INPUT:

$R_5, cf/bbl = 400.0$
 $B_0, rbl/stb = 1.2700$
 $P_b, psia = 15.0250$
 $P, psia = 1000.0$
 $T_f, R = 630.0$
 $T_b, R = 520.0$
 $Z = 0.8500$
 $f_1 = (P_b/P * T_f/T_b * Z) / 5.6146$
 $f_1 = 0.002756$

Days from 10-31-87	Days	Summation of field generated			Monthly Actual		Ratio To Field Gauge		Corrected Field Gauges		Actual Daily		Reservoir Total	
		Oil bbl	Gas Mcf	bbbl	Oil bbl	Gas Mcf	Oil	Gas	Oil	Gas	Oil	Gas	BBL per STB	Reservoir BBLs
1-16	1-16	5337.0	5992.0	5698.0	5698.0	6883.0	1.0676	1.1487	5698.0	6883.0	356.1	430.2	3.4966	1245.2
	1-16	5337.0	5992.0	5698.0	5698.0	6883.0	1.0676	1.1487	5698.0	6883.0	356.1	430.2	3.4966	1245.2
November Total:		5337.0	5992.0	5698.0	5698.0	6883.0	1.0676	1.1487	5698.0	6883.0	356.1	430.2	3.4966	1245.2

RESERVOIR VOIDAGE, BFPD.

CANADA OJITOS UNIT B-29

$$\text{BFPD} = (\text{STB} * \text{Bo}) + (\text{GOR} - \text{Rs}) * (\text{Pb}/\text{P} * \text{Tf}/\text{Tb} * \text{Z}) * (1/5.6146)$$

INPUT:

Rs, cf/bbl = 400.0
Bo, rbl/stb = 1.2700
Pb, psia = 15.0250
P, psia = 1000.0
Tf, R = 630.0
Tb, R = 520.0
Z = 0.8500

f1 = (Pb/P * Tf/Tb * Z) / 5.6146
f1 = 0.002756

Days from 10-31-87	Days	Summation of field generated			Monthly Actual		Ratio To Field Gauge		Corrected Field Gauges		Actual Daily		Reservoir Total	
		Oil bbl	Gas Mcf	bb1	Oil bbl	Gas Mcf	Oil	Gas	Total Oil	Gas	Oil BOPD	Gas MCFPD	STB	BBL per STB
1-16	1-16	16738.0	37800.0	16981.0	30973.0		1.0145	0.8194	16981.0	30973.0	1061.3	1935.8	5.1942	5512.7
November Total:		16738.0	37800.0	16981.0	30973.0		1.0145	0.8194	16981.0	30973.0	1061.3	1935.8	5.1942	5512.7

RESERVOIR VOIDAGE, BFPD.

$$BFPD = (STBO * B0) + (GOR - RS) * (PB/P * T4/T6 * Z) * (1/5.6146)$$

INPUT:

R ₅ , cf/bbl	=	400.0
B ₀ , rbl/stb	=	1.2700
P _b , psia	=	15,0250
P, psia	=	1000.0
T _f , R	=	630.0
T _b , R	=	520.0
z	=	0.8500

[illegible]

RESERVOIR VOIDAGE, BFPD.

CANADA OJITDS UNIT A-20

$$BFPD = (STED * Bo) + (GOR - Rs) * (Pb/P * Tf/Tb * Z) * (1/5.6146)$$

INPUT:

Rs, cf/bbl = 400.0
 Bo, rbl/stb = 1.2700
 Pb, psia = 15.0250
 P, psia = 1000.0
 Tf, R = 630.0
 Tb, R = 520.0
 z = 0.8500

f1= (Pb/P * Tf/Tb * Z) / 5.6146
 f1= 0.002756

Days from 10-31-87	Days	Summation of field generated				Monthly Actual		Ratio To Field Gauge		Corrected Field Gauges		Actual Daily		Reservoir Total		
		Oil bbl	Gas Mcf	Oil bbl	Gas Mcf	Oil bbl	Gas Mcf	Oil	Gas	Total Oil	Total Gas	Oil BOPD	Gas MCFPD	BBL per STB	RBL/STB	BBLs BFPD
November Total:		585.0	3400.0	526.0	3284.0	0.8991	0.9659			526.0	3284.0	37.6	234.6	6243.3	17.3732	652.7
1-14	1-14	585.0	3400.0			0.8991	0.9659	14		526.0	3284.0					

CANADA DJITOS UNIT E-6

$$\text{BFPD} = (\text{STBD} \neq \text{BD}) + (\text{GOR} - \text{RS}) * (\text{Pb/P} * \text{Tf/Tb} \neq \text{Z}) \neq (1/5.6146)$$

INPUT:

$R_5, \text{ cf/bbl} =$	400.0	$f_l =$	$(P/P^* f f / T b * z) / 5.6146$
$B_0, \text{ rbl/stb} =$	1.2700	$f_l =$	0.002756
$P_b, \text{ psia} =$	15.0250		
$P_i, \text{ psia} =$	1000.0		
$T_f, R =$	630.0		
$T_b, R =$	520.0		
$z =$	0.8500		

[illegible]

RESERVOIR VOIDAGE, BFPD.

CANADA OJITOS UNIT N-31

$$BFPD = (STBD * Bo) + (GDR - Rs) * (Pb/P * Tf/Tb * Z) * (1/5.6146)$$

INPUT:

Rs, cf/bbl = 400.0
 Bo, rbl/stb = 1.2700
 Pb, psia = 15.0250
 P, psia = 1000.0
 Tf, R = 630.0
 Tb, R = 520.0
 Z = 0.8500

$$f1 = (Pb/P * Tf/Tb * Z) / 5.6146$$

$$f1 = 0.002756$$

Days from	Days	Summation of field generated				Monthly Actual		Ratio To Field Gauge		Corrected Field Gauges		Actual Daily		Reservoir Total		
		Oil bbl	Gas bbl	Mcf	bb1	Oil bbl	Gas Mcf	Oil	Gas	Total Oil	Total Gas	Oil BOPD	Gas MCFPD	BBL per STB	RBL/STB	BFPD
10-31-87																
November Total:		2035.0	6320.0	1870.0	6238.0	0.9189	0.9870			1870.0	6238.0	116.9	389.9	3335.8	9.3606	1094.0
1-16	1-16	2035.0	6320.0			0.9189	0.9870	16								

RESERVOIR VOIDAGE, BFPD.

CANADA OJITOS UNIT E-10

$$BFPD = (STBO * Bo) + (GOR - Rs) * (Pb/P * Tf/Tb * Z) * (1/5.6146)$$

INPUT:

$R_s, cf/bbl = 400.0$
 $Bo, rbl/stb = 1.2700$
 $Pb, psia = 15.0250$
 $P, psia = 1425.0$
 $Tf, R = 630.0$
 $Tb, R = 520.0$
 $Z = 0.8500$
 $f1 = (Pb/P * Tf/Tb * Z) / 5.6146$
 $f1 = 0.001934$

Days from 10-31-87	Days	Summation of field generated				Monthly Actual		Ratio To Field Gauge		Corrected Field Gauges		Actual Daily		Reservoir Total		
		Oil	Gas	bb1	Mcf	Oil	Gas	Oil	Gas	Total	Oil	Gas	MCFPD	88L per STB	88LS	BFPD
1-16	1-16	3754.0	28490.0	3656.0	29804.0	0.9739	1.0461	3656.0	29804.0	228.5	1862.8	8152.1	16.2618	3715.8		
November Total:		3754.0	28490.0	3656.0	29804.0	0.9739	1.0461	3656.0	29804.0	228.5	1862.8	8152.1	16.2618	3715.8		

RESERVOIR VOIDAGE, BFPD. MALLON JOHNSON FEDERAL 12-5

$$\text{BFPD} = (\text{STBD} * \text{Bo}) + (\text{GDR} - \text{Rs}) * (\text{Pb}/\text{P} * \text{Tf}/\text{Tb} * \text{Z}) * (1/5.6146)$$

INPUT:

Rs, cf/bbl = 400.0 fl= (Pb/P * Tf/Tb * Z) / 5.6146
Bo, rbl/stb = 1.2700 fl= 0.002756
Pb, psia = 15.0250
P, psia = 1000.0
Tf, R = 630.0
Tb, R = 520.0
Z = 0.8500

Days from	Days	Summation of field generated				Monthly Actual		Ratio To Field Gauge		Corrected Field Gauges		Actual Daily		Reservoir Total	
		Oil bbl	Gas Mcf	Oil bbl	Gas Mcf	Oil bbl	Gas Mcf	Oil	Gas	Total Oil	Gas	Dil BOPD	Gas MCFPD	BBL per STB	Total Reservoir BBLs BFPD
10-31-87															
1-16	1-16	597.0	5212.0	818.0	8872.0	0.9976	0.8865	0.9976	0.8865	595.5	4620.4	37.2	288.8	7758.3	802.1
November Total:		820.0	10008.0	818.0	8872.0	0.9976	0.8865								

RESERVOIR VOLTAGE, BFPD.

$$K_{PPD} = (S_{IBD} + B_0) + (GPR - P_5) * (P_4/P_3 * T/T_0 * 7) * (1/5.6144)$$

INDIAN

$$R5, cf/bbl = 400.0$$
$$Bo, r_{bl}/stb = 1.2700 \quad f1 = 0.002756$$
$$Pb, \text{psia} = 15.0250$$

P. Asia = 1000.0

If $R = 6300$

Th. R.	=	520 0
Th. R.	=	520 0

$$= 0.8500$$

Days from	Days	Summation of field generated			Monthly Actual	Ratio To Field Gauge	Corrected			Actual Daily		Reservoir Total		
		Oil bbl	Gas Mcf	Water bbl			No. Days	Field Total	Field Gauges Total	Oil bbl	Gas Mcf	GOR	BBL per STB	Reservoir BBLs
10-31-87		Oil bbl	Gas Mcf	Water bbl	Oil bbl	Gas Mcf	Oil	Gas	Water	Oil bbl	Gas Mcf	GOR	BBL per STB	Reservoir BBLs
		270.0	12277.0	270.0	14144.0	1.0000	1.1521							
	November Total:	270.0	12277.0	270.0	14144.0	1.0000	1.1521							
10-16	10-16	163.0	7540.0			1.0000	1.1521	10	8686.6	10.3	868.7	84336.2	232.5836	2395.6

RESERVOIR VOIDAGE. BFPD.

CANADA OJITOS UNIT J-6

$$\text{BFPD} = (\text{STBO} * \text{Bo}) + (\text{GOR} - \text{Rs}) * (\text{Pb}/\text{P} * \text{Tf}/\text{Tb} * \text{Z}) * (1/5.6146)$$

INPUT:

$\text{Rs, cf/bbl} = 400.0$
 $\text{Bo, rbl/stb} = 1.2700$
 $\text{Pb, psia} = 15.0250$
 $\text{P, psia} = 1000.0$
 $\text{Tf, R} = 630.0$
 $\text{Tb, R} = 520.0$
 $\text{Z} = 0.8500$

Days from 10-31-87	Days	Summation of field generated				Monthly Actual		Ratio To Field Gauge		Corrected Field Gauges		Actual Daily		Reservoir Total		
		Oil bbl	Gas Mcf	Oil bbl	Gas Mcf	Oil bbl	Gas Mcf	Oil	Gas	Total Oil	Total Gas	Oil	Gas	GOR	STB	BBLS
November Total:		149.0	5230.0	149.0	5230.0	149.0	5230.0	1.0000	1.0000	149.0	5230.0	14.9	523.0	35100.7	96.8990	1443.8
1-10	1-10	149.0	5230.0					1.0000	1.0000	10						

RESERVOIR VOIDAGE, BFPD.

MALLON HOWARD FEDERAL 1-11

$$\text{BFPD} = (\text{STBO} * \text{Bo}) + (\text{GOR} - \text{Rs}) * (\text{Pb}/\text{P} * \text{Tf}/\text{Tb} * \text{Z}) * (1/5.6146)$$

INPUT:

$\text{Rs, cf/bbl} = 400.0$
 $\text{Bo, rbl/stb} = 1.2700$
 $\text{Pb, psia} = 15.0250$
 $\text{P, psia} = 1000.0$
 $\text{Tf, R} = 630.0$
 $\text{Tb, R} = 520.0$
 $\text{Z} = 0.8500$
 $\text{f1} = (\text{Pb}/\text{P} * \text{Tf}/\text{Tb} * \text{Z}) / 5.6146$
 $\text{f1} = 0.002756$

Days from 10-31-87	Days	Summation of field generated			Monthly Actual		Ratio To Field Gauge		Corrected Field Gauges			Actual Daily		Reservoir Total		
		Oil bbl	Gas bbl	Mcf	Oil bbl	Gas bbl	Oil	Gas	No. Days	Total Oil	Total Gas	Oil BOPD	Gas MCFPD	BBLS STB	RBL/STB	BFPD

RESERVOIR VOIDAGE, BFPD.

MALLON HOWARD FEDERAL 1-8

$$\text{BFPD} = (\text{STBQ} * \text{Bo}) + (\text{GOR} - \text{Rs}) * (\text{Pb}/\text{P} * \text{Tf}/\text{Tb} * \text{Z}) * (1/5.6146)$$

INPUT:

Rs, c/bbl = 400.0 f1= (Pb/P*Tf/Tb*Z)/5.6146
Bo, rbl/stb = 1.2700 f1= 0.002756
Pb, psia = 15.0250
P, psia = 1000.0
Tf, R = 630.0
Tb, R = 520.0
Z = 0.8500

Days from 10-31-87	Days	Summation of field generated				Monthly Actual		Ratio to Field Gauge		Corrected Field Gauges		Actual Daily		Reservoir Total		
		Oil	Gas	Mcf	bbl	Oil	Gas	Oil	Gas	Total	Oil	Gas	MCFPD	GOR	BBL per STB	BBL per BBL
		Oil	Gas	Mcf	bbl	Oil	Mcf	Oil	Gas	Oil	BOPD	MCFPD	CF/BBL		RBL/STB	BFPD
November Total:		4513.0	20531.0	4647.0	21036.0	1.0297	1.0246	1.0297	1.0246	3765.6	14000.1	235.3	875.0	3717.9	10.4136	2450.8
1-16	1-16	3657.0	13664.0			1.0297	1.0246	1.0297	1.0246	3765.6	14000.1	235.3	875.0	3717.9	10.4136	2450.8

RESERVOIR VOIDAGE, BFPD.

MALLON POST FEDERAL 13-6

$$\text{BFPD} = (\text{STEO} * \text{BO}) + (\text{GOR} - \text{RS}) * (\text{Pb/P} * \text{Tf/Tb} * \text{Z}) * (1/5.6146)$$

INPUT:

Rs, cf/bbl	=	400.0	f1=	(PB/P*7f/Tb*Z)/5.6146
Bo, rbl/stb	=	1.2700	f1=	0.002756
Pb, psia	=	15.0250		
P, psia	=	1000.0		
7f, R	=	630.0		
Tb, R	=	520.0		
Z	=	0.8500		

Days from	Days		Summation of field generated			Monthly Actual		Ratio To Field Gauge		No.	Corrected Field Gauges		Actual Daily Gas		Reservoir Total	
10-31-87			Oil	Gas	Mcf	bbl	Gas	Oil	Gas	Days	Total Oil	Total Gas	BOPD	MCFPD	BBL STB	BBL BFPD
		November Total:	1641.0	10497.0		1654.0	9297.0	1.0079	0.8857							
1-16	1-16		872.0	5442.0				1.0079	0.8857	16	878.9	4819.9	54.9	301.2	5483.9	839.4