

BENSON-MONTIN-GREER DRILLING CORP.
EXHIBIT IN CASE NO. 9111
BEFORE THE OIL CONSERVATION COMMISSION OF THE
NEW MEXICO DEPARTMENT OF ENERGY AND MINERALS

FEBRUARY 18, 1988

MARCH 17, 1988

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INTRO

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INTRODUCTION

COMMUNICATION AS EVIDENCED BY FRAC TREATMENTS OF WELLS IN TOWNSHIP 25 NORTH, RANGE 1 WEST IN THE CANADA OJITOS UNIT WEST PUERTO CHIQUITO POOL

A large amount of evidence of communication among wells in the West Puerto Chiquito Pool has been provided the Oil Conservation Commission in numerous reports, studies and hearings; some of which were summarized briefly in Case 9113 held March 30, 1987.

The plat on the facing page shows locations of wells and areas of communication described in some of the evidence of Case 9113, summarized as follows:

Orange lines: show wells in which communication has been evidenced by production history.

Green lines (lower set): shows communication as evidenced by frac treatment of the Canada Ojitos Unit F-30 well with response measured in the Canada Ojitos Unit B-32, B-29 and Meridian Hill Federal 2-Y.

Green lines (upper set: frac pulse): shows communication as evidenced by frac response in the Canada Ojitos Unit E-6 well by three separate frac treatments in each of these wells: Dugan Tapacitos 4, Canada Ojitos Unit N-31 and Canada Ojitos Unit J-6.

Green lines (upper set: production interference): the other two wells connected by the green lines, the Mallon Howard 1-8 and Howard 1-11, showed communication by interference caused by production in the latter two wells while the E-6 was shut in.

Included in Section A herein is additional detailed information with respect to the F-30 frac treatment of September 4, 1986 which was described in Case 9113. This additional data includes a plat of pressure versus log time (for comparison with other tests using the same format)

Since Case 9113 was heard in March and April 1987, additional "frac pulse" testing has been conducted on other wells in the Canada Ojitos Unit. Information as to these additional treatments is set out herein under Sections B through I; a separate section for each well pair.

Index, by section letter, for each of the well pairs is included next following this introduction and plat.

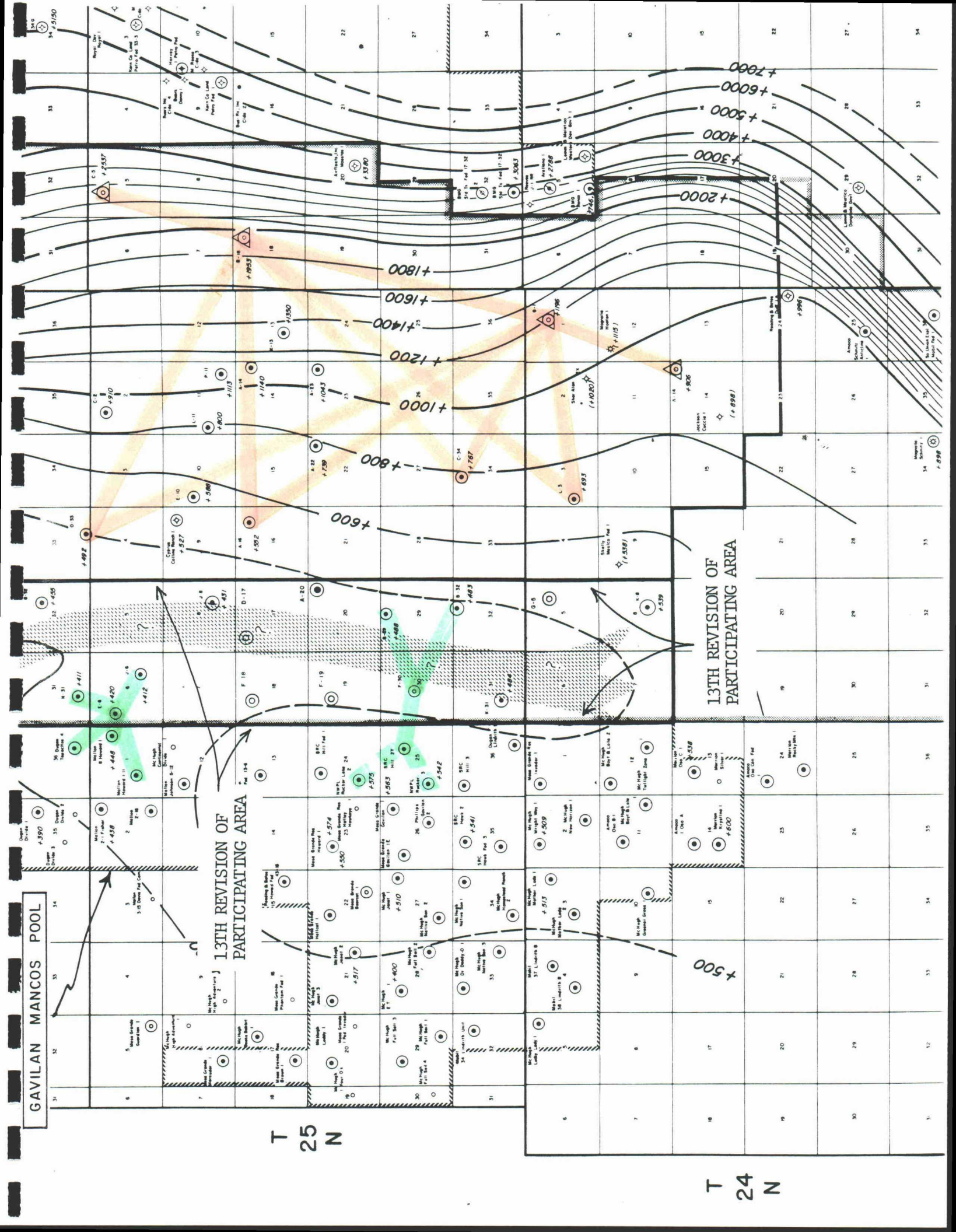
GAVILAN MANCOS POOL

13TH REVISION OF PARTICIPATING AREA

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13TH REVISION OF PARTICIPATING AREA



SCHEDULE OF WELL PAIRS
INCLUDED IN TESTS OF COMMUNICATION
EVIDENCED BY FRAC TREATMENTS

ALL IN TOWNSHIP 25 NORTH, RANGE 1 WEST
IN THE CANADA OJITOS UNIT
WEST PUERTO CHIQUITO POOL

<u>Section</u>	<u>Date of Treatment</u>	<u>Treated Well</u>	<u>Observation Well</u>	<u>Distance Between Wells (Feet)</u>	<u>Inj. Rate (BPM)</u>	<u>Inj. Vol. (Bbls)</u>
A	9-04-86	COU F-30 (Sec. 30)	COU B-32 (Sec. 32)	7,000	107.5	8,400
B	4-23-87	COU C-34 (Sec. 34)	COU B-32 (Sec. 32)	10,411	66	6,800
C	4-23-87	COU C-34 (Sec. 34)	COU B-29 (Sec. 29)	11,222	66	6,750
D	5-11-87	COU A-16 (Sec. 16)	COU B-32 (Sec. 32)	16,538	95	9,140
E	5-11-87	COU A-16 (Sec. 16)	COU A-20 (Sec. 20)	7,312	95	9,140
F	5-27-87	COU D-17 (Sec. 17)	COU A-20 (Sec. 20)	6,980	100* to 80*	10,300
G	11-25-87	COU F-7 (Sec. 7)	COU J-6 (Sec. 6)	5,830	85	5,160
H	11-25-87	COU F-7 (Sec. 7)	COU E-6 (Sec. 6)	5,280	85	5,160
I	11-25-87	COU F-7 (Sec. 7)	COU D-17 (Sec. 17)	3,554	85	5,160

* Injection rate 100 BPM for 3/4 of treatment. Last 1/4 at 80 BPM.

A

1445

1444

1443

1442

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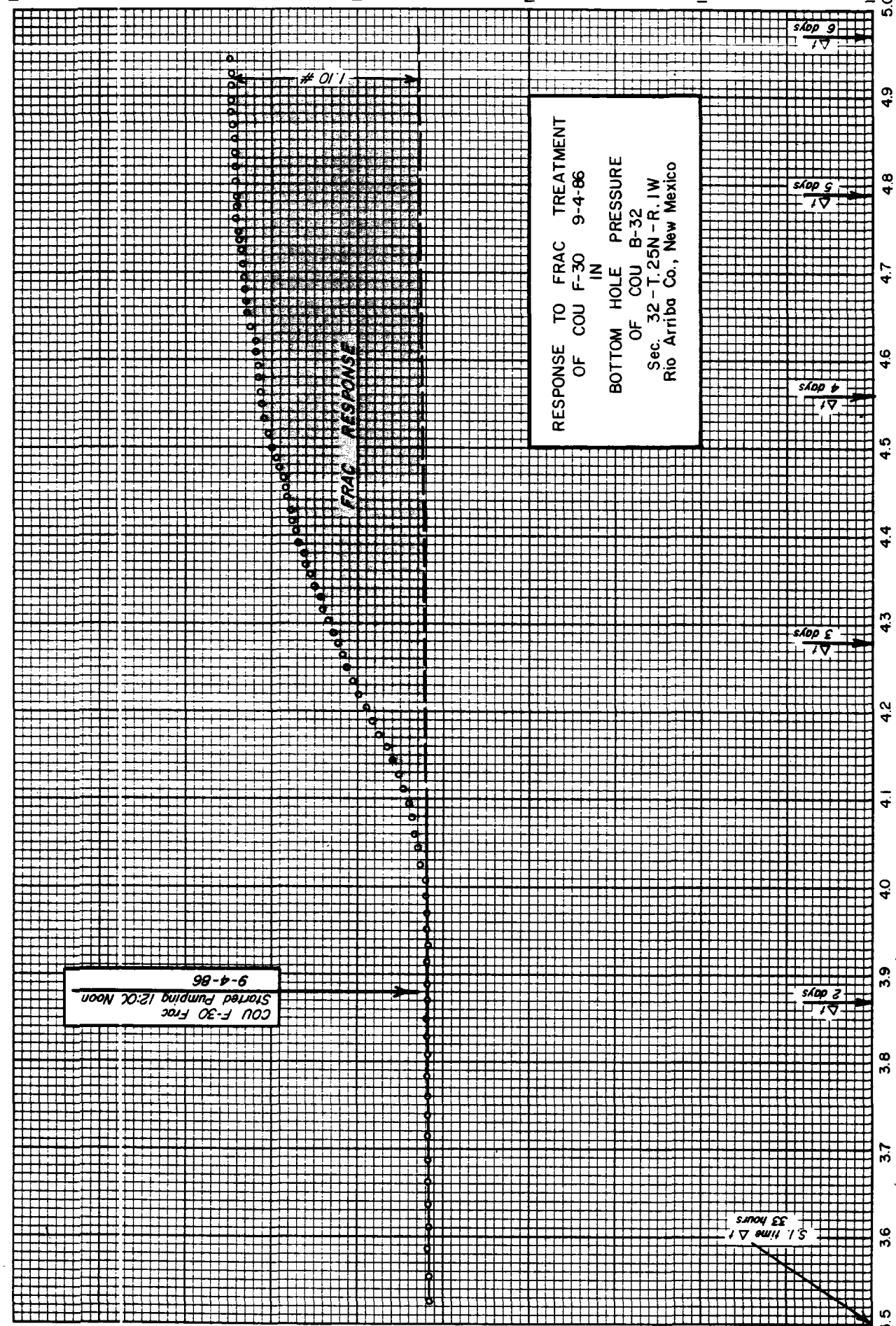
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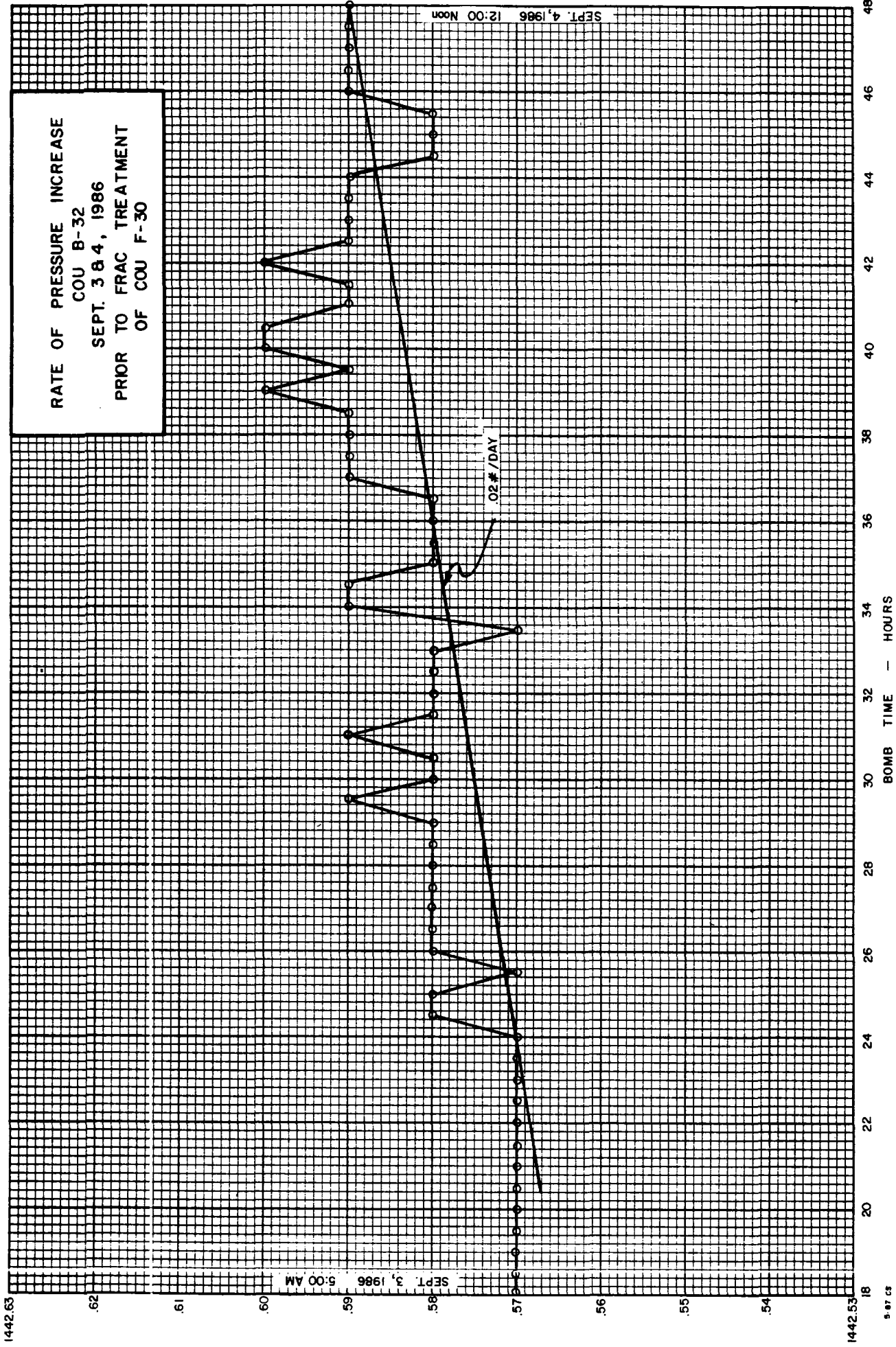


PRESSURE AT 6200 (G.L.) — PSIA

RESPONSE TO FRAC TREATMENT
OF COU F-30 9-4-86
BOTTOM HOLE PRESSURE
OF COU B-32
Sec. 32-T.25N-R.1W
Rio Arriba Co., New Mexico

$\ln \Delta t$ (0 Δt Time Arbitrarily Set $\pm$ 2 Days Prior To Frac Treatment)

1-87 88



CANADA OJTIOS UNIT B-32
RESPONSE TO FRAC TREATMENT
OF CANADA OJTIOS UNIT F-30
SEPTEMBER 4, 1986 (START PUMPING 12:00 NOON)

FOR COMPARISON WITH OTHER SURVEYS
 USE ARBITRARY Δt START TIME OF TIME CLOCK STARTS
 SO Δt - BOMB TIME

INSTRUMENT: GRC ELEMENT NO. 69160 SET AT 7300' GL

Pressure (Psla) (1)	Bomb Time (Hours) (2)	$\ln \Delta t$ (3)	Pressure (Psla) (4)	Bomb Time (Hours) (5)	$\ln \Delta t$ (6)
1442.58	33.00	3.497	1442.67	58.00	4.060
1442.58	34.00	3.526	1442.69	59.00	4.078
1442.57	35.00	3.555	1442.71	60.00	4.094
1442.58	36.00	3.584	1442.74	61.00	4.111
1442.58	37.00	3.611	1442.77	62.00	4.127
1442.58	38.00	3.638	1442.80	63.00	4.143
1442.58	39.00	3.664	1442.84	64.00	4.159
1442.58	40.00	3.689	1442.88	65.00	4.174
1442.58	41.00	3.714	1442.92	66.00	4.190
1442.59	42.00	3.738	1442.95	67.00	4.205
1442.59	43.00	3.761	1442.99	68.00	4.220
1442.59	44.00	3.784	1443.02	69.00	4.234
1442.59	45.00	3.807	1443.06	70.00	4.248
1442.59	46.00	3.829	1443.08	71.00	4.263
1442.59	47.00	3.850	1443.11	72.00	4.277
1442.59	48.00	3.871	1443.14	73.00	4.290
1442.59	49.00	3.892	1443.17	74.00	4.304
1442.59	50.00	3.912	1443.20	75.00	4.317
1442.59	51.00	3.932	1443.22	76.00	4.331
1442.60	52.00	3.951	1443.25	77.00	4.344
1442.61	53.00	3.970	1443.28	78.00	4.357
1442.61	54.00	3.989	1443.30	79.00	4.369
1442.61	55.00	4.007	1443.32	80.00	4.382
1442.64	56.00	4.025	1443.35	81.00	4.394
1442.65	57.00	4.043	1443.36	82.00	4.407

CANADA OJTOS UNIT B-32
RESPONSE TO FRAC TREATMENT
OF CANADA OJTOS UNIT F-30

PAGE 2

<u>Pressure</u> <u>(Psia)</u> (1)	<u>Bomb</u> <u>Time</u> <u>(Hours)</u> (2)	<u>ln Δt</u> (3)	<u>Pressure</u> <u>(Psia)</u> (4)	<u>Bomb</u> <u>Time</u> <u>(Hours)</u> (5)	<u>ln Δt</u> (6)
1443.38	83.00	4.419	1443.66	108.00	4.682
1443.40	84.00	4.431	1443.66	109.50	4.696
1443.41	85.00	4.443	1443.67	111.00	4.710
1443.43	86.00	4.454	1443.67	112.50	4.723
1443.44	87.00	4.466	1443.69	114.00	4.736
1443.46	88.00	4.477	1443.69	115.50	4.749
1443.47	89.00	4.489	1443.71	117.00	4.762
1443.49	90.00	4.500	1443.71	118.50	4.775
1443.52	91.50	4.516	1443.71	120.00	4.787
1443.54	93.00	4.533	1443.71	122.00	4.804
1443.56	94.50	4.549	1443.72	124.00	4.820
1443.56	96.00	4.564	1443.72	126.00	4.836
1443.58	97.50	4.580	1443.73	128.00	4.852
1443.59	99.00	4.595	1443.73	130.00	4.868
1443.61	100.50	4.610	1443.73	132.00	4.883
1443.61	102.00	4.625	1443.73	134.00	4.898
1443.63	103.50	4.640	1443.73	136.00	4.913
1443.64	105.00	4.654	1443.73	138.00	4.927
1443.65	106.50	4.668	1443.74	140.00	4.942

DATE: 9/ 2/96
GAUGE SN #69160
WELL # 0
TEST # 49

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7300" 6L
9-02-86 to 9-8-86

DATA FILE: 1

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	12: 2: 0	0.000	6654.54		75.17
2	12:17: 0	0.250	10620.24	16.53	
3	12:32: 0	0.500	6643.82		74.32
4	12:47: 0	0.750	10619.75	15.93	
5	13: 2: 0	1.000	6726.39		80.85
6	13:17: 0	1.250	10618.92	16.68	
7	13:32: 0	1.500	6733.77		81.44
8	13:47: 0	1.750	10617.97	15.90	
9	14: 2: 0	2.000	6717.43		80.14
10	14:17: 0	2.250	10617.97	15.57	
11	14:32: 0	2.500	6706.65		79.29
12	14:47: 0	2.750	10617.29	14.69	
13	15: 2: 0	3.000	6692.29		78.15
14	15:17: 0	3.250	10619.14	16.21	
15	15:32: 0	3.500	6697.33		78.55
16	15:47: 0	3.750	10616.78	14.01	
17	16: 2: 0	4.000	6966.94		99.96
18	16:17: 0	4.250	11867.31	1430.36	
19	16:32: 0	4.500	7807.58		167.69
20	16:47: 0	4.750	11867.51	1442.37	
21	17: 2: 0	5.000	7812.77		168.11
22	17:17: 0	5.250	11867.49	1442.45	
23	17:32: 0	5.500	7814.63		168.26
24	17:47: 0	5.750	11867.49	1442.50	
25	18: 2: 0	6.000	7815.18		168.31
26	18:17: 0	6.250	11867.49	1442.51	
27	18:32: 0	6.500	7815.42		168.33
28	18:47: 0	6.750	11867.50	1442.52	
29	19: 2: 0	7.000	7815.49		168.33
30	19:17: 0	7.250	11867.50	1442.52	
31	19:32: 0	7.500	7815.59		168.34
32	19:47: 0	7.750	11867.51	1442.54	
33	20: 2: 0	8.000	7815.61		168.34
34	20:17: 0	8.250	11867.51	1442.54	
35	20:32: 0	8.500	7815.64		168.34
36	20:47: 0	8.750	11867.51	1442.54	
37	21: 2: 0	9.000	7815.69		168.35
38	21:17: 0	9.250	11867.51	1442.54	
39	21:32: 0	9.500	7815.64		168.34
40	21:47: 0	9.750	11867.52	1442.55	
41	22: 2: 0	10.000	7815.64		168.35
42	22:17: 0	10.250	11867.52	1442.55	
43	22:32: 0	10.500	7815.68		168.35
44	22:47: 0	10.750	11867.52	1442.56	
45	23: 2: 0	11.000	7815.69		168.35
46	23:17: 0	11.250	11867.52	1442.56	
47	23:32: 0	11.500	7815.71		168.35
48	23:47: 0	11.750	11867.52	1442.56	
49	0: 2: 0	12.000	7815.73		168.35
50	0:17: 0	12.250	11867.52	1442.56	

DATE: 9/ 3/86
GAUGE SN #69 60
WELL # 0
TEST # 49

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: SHP @ 7500 GL
9-02-86 to 9-8-86

DATA FILE:

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	0:32: 0	12.500	7815.70		168.35
52	0:47: 0	12.750	11867.52	1442.56	
53	1: 2: 0	13.000	7815.70		168.35
54	1:17: 0	13.250	11867.52	1442.56	
55	1:32: 0	13.500	7815.71		168.35
56	1:47: 0	13.750	11867.52	1442.56	
57	2: 2: 0	14.000	7815.74		168.35
58	2:17: 0	14.250	11867.52	1442.56	
59	2:32: 0	14.500	7815.79		168.36
60	2:47: 0	14.750	11867.52	1442.56	
61	3: 2: 0	15.000	7815.73		168.35
62	3:17: 0	15.250	11867.53	1442.56	
63	3:32: 0	15.500	7815.78		168.36
64	3:47: 0	15.750	11867.53	1442.57	
65	4: 2: 0	16.000	7815.76		168.35
66	4:17: 0	16.250	11867.53	1442.57	
67	4:32: 0	16.500	7815.79		168.36
68	4:47: 0	16.750	11867.53	1442.57	
69	5: 2: 0	17.000	7815.83		168.36
70	5:17: 0	17.250	11867.53	1442.57	
71	5:32: 0	17.500	7815.79		168.36
72	5:47: 0	17.750	11867.53	1442.57	
73	6: 2: 0	18.000	7815.77		168.36
74	6:17: 0	18.250	11867.53	1442.57	
75	6:32: 0	18.500	7815.80		168.36
76	6:47: 0	18.750	11867.53	1442.57	
77	7: 2: 0	19.000	7815.78		168.36
78	7:17: 0	19.250	11867.53	1442.57	
79	7:32: 0	19.500	7815.79		168.36
80	7:47: 0	19.750	11867.53	1442.57	
81	8: 2: 0	20.000	7815.79		168.36
82	8:17: 0	20.250	11867.54	1442.58	
83	8:32: 0	20.500	7815.77		168.36
84	8:47: 0	20.750	11867.54	1442.58	
85	9: 2: 0	21.000	7815.77		168.36
86	9:17: 0	21.250	11867.54	1442.58	
87	9:32: 0	21.500	7815.77		168.36
88	9:47: 0	21.750	11867.53	1442.57	
89	10: 2: 0	22.000	7815.76		168.36
90	10:17: 0	22.250	11867.53	1442.57	
91	10:32: 0	22.500	7815.79		168.36
92	10:47: 0	22.750	11867.53	1442.57	
93	11: 2: 0	23.000	7815.76		168.35
94	11:17: 0	23.250	11867.53	1442.57	
95	11:32: 0	23.500	7815.75		168.35
96	11:47: 0	23.750	11867.53	1442.56	
97	12: 2: 0	24.000	7815.79		168.36
98	12:17: 0	24.250	11867.53	1442.57	
99	12:32: 0	24.500	7815.76		168.36
100	12:47: 0	24.750	11867.53	1442.57	

DATE: 9/ 3/86
GAUGE SN #69 60
WELL # 0
TEST # 49

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BMP @ 7000' GL
9-02-86 to 9-8-86

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	13: 2: 0	25.000	7815.73		168.35
2	13:17: 0	25.250	11867.53	1442.56	
3	13:32: 0	25.500	7815.75		168.35
4	13:47: 0	25.750	11867.53	1442.56	
5	14: 2: 0	26.000	7815.79		168.36
6	14:17: 0	26.250	11867.53	1442.57	
7	14:32: 0	26.500	7815.73		168.35
8	14:47: 0	26.750	11867.53	1442.56	
9	15: 2: 0	27.000	7815.75		168.35
10	15:17: 0	27.250	11867.53	1442.57	
11	15:32: 0	27.500	7815.76		168.35
12	15:47: 0	27.750	11867.53	1442.57	
13	16: 2: 0	28.000	7815.75		168.35
14	16:17: 0	28.250	11867.53	1442.57	
15	16:32: 0	28.500	7815.70		168.35
16	16:47: 0	28.750	11867.53	1442.57	
17	17: 2: 0	29.000	7815.73		168.35
18	17:17: 0	29.250	11867.54	1442.58	
19	17:32: 0	29.500	7815.73		168.35
20	17:47: 0	29.750	11867.54	1442.58	
21	18: 2: 0	30.000	7815.73		168.35
22	18:17: 0	30.250	11867.54	1442.58	
23	18:32: 0	30.500	7815.71		168.35
24	18:47: 0	30.750	11867.54	1442.58	
25	19: 2: 0	31.000	7815.75		168.35
26	19:17: 0	31.250	11867.53	1442.57	
27	19:32: 0	31.500	7815.76		168.35
28	19:47: 0	31.750	11867.53	1442.57	
29	20: 2: 0	32.000	7815.79		168.36
30	20:17: 0	32.250	11867.54	1442.58	
31	20:32: 0	32.500	7815.70		168.35
32	20:47: 0	32.750	11867.54	1442.58	
33	21: 2: 0	33.000	7815.78		168.36
34	21:17: 0	33.250	11867.54	1442.58	
35	21:32: 0	33.500	7815.76		168.35
36	21:47: 0	33.750	11867.54	1442.58	
37	22: 2: 0	34.000	7815.74		168.35
38	22:17: 0	34.250	11867.54	1442.58	
39	22:32: 0	34.500	7815.72		168.35
40	22:47: 0	34.750	11867.53	1442.57	
41	23: 2: 0	35.000	7815.73		168.35
42	23:17: 0	35.250	11867.54	1442.58	
43	23:32: 0	35.500	7815.73		168.35
44	23:47: 0	35.750	11867.54	1442.58	
45	0: 2: 0	36.000	7815.70		168.35
46	0:17: 0	36.250	11867.53	1442.57	
47	0:32: 0	36.500	7815.70		168.35
48	0:47: 0	36.750	11867.54	1442.58	
49	1: 2: 0	37.000	7815.73		168.35
50	1:17: 0	37.250	11867.54	1442.58	

DATE: 9/ 4/36
GAUGE SN #69160
WELL # 0
TEST # 49

DATA FILE: 2

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7300" GL
9-02-86 to 9-8-86

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	1:32: 0	37.500	7815.70		168.35
52	1:47: 0	37.750	11867.54	1442.58	
53	2: 2: 0	38.000	7815.67		168.35
54	2:17: 0	38.250	11867.54	1442.58	
55	2:32: 0	38.500	7815.69		168.35
56	2:47: 0	38.750	11867.54	1442.58	
57	3: 2: 0	39.000	7815.71		168.35
58	3:17: 0	39.250	11867.54	1442.58	
59	3:32: 0	39.500	7815.66		168.35
60	3:47: 0	39.750	11867.54	1442.58	
61	4: 2: 0	40.000	7815.71		168.35
62	4:17: 0	40.250	11867.54	1442.59	
63	4:32: 0	40.500	7815.67		168.35
64	4:47: 0	40.750	11867.54	1442.58	
65	5: 2: 0	41.000	7815.66		168.35
66	5:17: 0	41.250	11867.54	1442.58	
67	5:32: 0	41.500	7815.71		168.35
68	5:47: 0	41.750	11867.54	1442.59	
69	6: 2: 0	42.000	7815.68		168.35
70	6:17: 0	42.250	11867.55	1442.59	
71	6:32: 0	42.500	7815.73		168.35
72	6:47: 0	42.750	11867.55	1442.59	
73	7: 2: 0	43.000	7815.69		168.35
74	7:17: 0	43.250	11867.55	1442.59	
75	7:32: 0	43.500	7815.70		168.35
76	7:47: 0	43.750	11867.55	1442.59	
77	8: 2: 0	44.000	7815.74		168.35
78	8:17: 0	44.250	11867.55	1442.59	
79	8:32: 0	44.500	7815.71		168.35
80	8:47: 0	44.750	11867.55	1442.59	
81	9: 2: 0	45.000	7815.72		168.35
82	9:17: 0	45.250	11867.54	1442.59	
83	9:32: 0	45.500	7815.74		168.35
84	9:47: 0	45.750	11867.55	1442.58	
85	10: 2: 0	46.000	7815.72		168.35
86	10:17: 0	46.250	11867.54	1442.59	
87	10:32: 0	46.500	7815.71		168.35
88	10:47: 0	46.750	11867.54	1442.59	
89	11: 2: 0	47.000	7815.69		168.35
90	11:17: 0	47.250	11867.55	1442.59	
91	11:32: 0	47.500	7815.73		168.35
92	11:47: 0	47.750	11867.54	1442.59	
93	12: 2: 0	48.000	7815.70		168.35
94	12:17: 0	48.250	11867.54	1442.58	
95	12:32: 0	48.500	7815.69		168.35
96	12:47: 0	48.750	11867.54	1442.59	
97	13: 2: 0	49.000	7815.70		168.35
98	13:17: 0	49.250	11867.54	1442.59	
99	13:32: 0	49.500	7815.73		168.35
100	13:47: 0	49.750	11867.55	1442.59	

DATE: 9/ 4/36
GAUGE SN #69150
WELL # 0
TEST # 49

COMPANY: BMG
CLIENT:
WELL NAME: 8-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7000" GL
9-02-86 to 9-8-86

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	14: 2: 0	50.000	7815.69		168.35
2	14:17: 0	50.250	11867.55	1442.59	
3	14:32: 0	50.500	7815.66		168.35
4	14:47: 0	50.750	11867.55	1442.59	
5	15: 2: 0	51.000	7815.70		168.35
6	15:17: 0	51.250	11867.56	1442.60	
7	15:32: 0	51.500	7815.68		168.35
8	15:47: 0	51.750	11867.56	1442.60	
9	16: 2: 0	52.000	7815.68		168.35
10	16:17: 0	52.250	11867.56	1442.60	
11	16:32: 0	52.500	7815.71		168.35
12	16:47: 0	52.750	11867.56	1442.61	
13	17: 2: 0	53.000	7815.70		168.35
14	17:17: 0	53.250	11867.56	1442.61	
15	17:32: 0	53.500	7815.68		168.35
16	17:47: 0	53.750	11867.56	1442.61	
17	18: 2: 0	54.000	7815.65		168.35
18	18:17: 0	54.250	11867.57	1442.61	
19	18:32: 0	54.500	7815.69		168.35
20	18:47: 0	54.750	11867.57	1442.61	
21	19: 2: 0	55.000	7815.67		168.35
22	19:17: 0	55.250	11867.58	1442.63	
23	19:32: 0	55.500	7815.69		168.35
24	19:47: 0	55.750	11867.58	1442.64	
25	20: 2: 0	56.000	7815.70		168.35
26	20:17: 0	56.250	11867.59	1442.64	
27	20:32: 0	56.500	7815.70		168.35
28	20:47: 0	56.750	11867.59	1442.65	
29	21: 2: 0	57.000	7815.66		168.35
30	21:17: 0	57.250	11867.60	1442.66	
31	21:32: 0	57.500	7815.67		168.35
32	21:47: 0	57.750	11867.61	1442.67	
33	22: 2: 0	58.000	7815.66		168.35
34	22:17: 0	58.250	11867.62	1442.68	
35	22:32: 0	58.500	7815.65		168.35
36	22:47: 0	58.750	11867.63	1442.69	
37	23: 2: 0	59.000	7815.66		168.35
38	23:17: 0	59.250	11867.63	1442.70	
39	23:32: 0	59.500	7815.66		168.35
40	23:47: 0	59.750	11867.65	1442.71	
41	0: 2: 0	60.000	7815.71		168.35
42	0:17: 0	60.250	11867.66	1442.73	
43	0:32: 0	60.500	7815.64		168.34
44	0:47: 0	60.750	11867.67	1442.74	
45	1: 2: 0	61.000	7815.68		168.35
46	1:17: 0	61.250	11867.68	1442.76	
47	1:32: 0	61.500	7815.66		168.35
48	1:47: 0	61.750	11867.69	1442.77	
49	2: 2: 0	62.000	7815.69		168.35
50	2:17: 0	62.250	11867.70	1442.79	

DATE: 9/ 5/36
GAUGE SN #69150
WELL # 0
TEST # 49

DATA FILE: 3

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7300" GL
9-02-86 to 9-8-86

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	2:32: 0	62.500	7815.64		168.35
52	2:47: 0	62.750	11867.71	1442.80	
53	3: 2: 0	63.000	7815.70		168.35
54	3:17: 0	63.250	11867.73	1442.83	
55	3:32: 0	63.500	7815.68		168.35
56	3:47: 0	63.750	11867.75	1442.84	
57	4: 2: 0	64.000	7815.66		168.35
58	4:17: 0	64.250	11867.76	1442.86	
59	4:32: 0	64.500	7815.66		168.35
60	4:47: 0	64.750	11867.77	1442.88	
61	5: 2: 0	65.000	7815.64		168.34
62	5:17: 0	65.250	11867.78	1442.89	
63	5:32: 0	65.500	7815.67		168.35
64	5:47: 0	65.750	11867.80	1442.92	
65	6: 2: 0	66.000	7815.66		168.35
66	6:17: 0	66.250	11867.82	1442.94	
67	6:32: 0	66.500	7815.70		168.35
68	6:47: 0	66.750	11867.83	1442.95	
69	7: 2: 0	67.000	7815.64		168.35
70	7:17: 0	67.250	11867.85	1442.97	
71	7:32: 0	67.500	7815.65		168.35
72	7:47: 0	67.750	11867.86	1442.99	
73	8: 2: 0	68.000	7815.64		168.34
74	8:17: 0	68.250	11867.87	1443.01	
75	8:32: 0	68.500	7815.68		168.35
76	8:47: 0	68.750	11867.89	1443.02	
77	9: 2: 0	69.000	7815.69		168.35
78	9:17: 0	69.250	11867.90	1443.04	
79	9:32: 0	69.500	7815.66		168.35
80	9:47: 0	69.750	11867.91	1443.06	
81	10: 2: 0	70.000	7815.64		168.35
82	10:17: 0	70.250	11867.92	1443.07	
83	10:32: 0	70.500	7815.63		168.34
84	10:47: 0	70.750	11867.93	1443.08	
85	11: 2: 0	71.000	7815.65		168.35
86	11:17: 0	71.250	11867.94	1443.10	
87	11:32: 0	71.500	7815.69		168.35
88	11:47: 0	71.750	11867.95	1443.11	
89	12: 2: 0	72.000	7815.67		168.35
90	12:17: 0	72.250	11867.96	1443.12	
91	12:32: 0	72.500	7815.69		168.35
92	12:47: 0	72.750	11867.97	1443.14	
93	13: 2: 0	73.000	7815.66		168.35
94	13:17: 0	73.250	11867.99	1443.15	
95	13:32: 0	73.500	7815.65		168.35
96	13:47: 0	73.750	11868.00	1443.17	
97	14: 2: 0	74.000	7815.68		168.35
98	14:17: 0	74.250	11868.01	1443.18	
99	14:32: 0	74.500	7815.66		168.35
100	14:47: 0	74.750	11868.02	1443.20	

DATE: 9/ 5/36
GAUGE SN #89160
WELL # 0
TEST # 49

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7300" GL
9-02-86 to 9-8-86

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	15: 2: 0	75.000	7815.71		168.35
2	15:17: 0	75.250	11868.02	1443.20	
3	15:32: 0	75.500	7815.65		168.35
4	15:47: 0	75.750	11868.04	1443.22	
5	16: 2: 0	76.000	7815.68		168.35
6	16:17: 0	76.250	11868.05	1443.23	
7	16:32: 0	76.500	7815.73		168.35
8	16:47: 0	76.750	11868.06	1443.25	
9	17: 2: 0	77.000	7815.73		168.35
10	17:17: 0	77.250	11868.07	1443.27	
11	17:32: 0	77.500	7815.69		168.35
12	17:47: 0	77.750	11868.08	1443.28	
13	18: 2: 0	78.000	7815.69		168.35
14	18:17: 0	78.250	11868.09	1443.29	
15	18:32: 0	78.500	7815.70		168.35
16	18:47: 0	78.750	11868.10	1443.30	
17	19: 2: 0	79.000	7815.66		168.35
18	19:17: 0	79.250	11868.11	1443.31	
19	19:32: 0	79.500	7815.66		168.35
20	19:47: 0	79.750	11868.11	1443.32	
21	20: 2: 0	80.000	7815.66		168.35
22	20:17: 0	80.250	11868.13	1443.33	
23	20:32: 0	80.500	7815.66		168.35
24	20:47: 0	80.750	11868.14	1443.35	
25	21: 2: 0	81.000	7815.65		168.35
26	21:17: 0	81.250	11868.14	1443.35	
27	21:32: 0	81.500	7815.65		168.35
28	21:47: 0	81.750	11868.15	1443.36	
29	22: 2: 0	82.000	7815.65		168.35
30	22:17: 0	82.250	11868.15	1443.37	
31	22:32: 0	82.500	7815.64		168.34
32	22:47: 0	82.750	11868.16	1443.38	
33	23: 2: 0	83.000	7815.66		168.35
34	23:17: 0	83.250	11868.17	1443.39	
35	23:32: 0	83.500	7815.66		168.35
36	23:47: 0	83.750	11868.18	1443.40	
37	0: 2: 0	84.000	7815.65		168.35
38	0:17: 0	84.250	11868.18	1443.40	
39	0:32: 0	84.500	7815.65		168.35
40	0:47: 0	84.750	11868.19	1443.41	
41	1: 2: 0	85.000	7815.65		168.35
42	1:17: 0	85.250	11868.19	1443.42	
43	1:32: 0	85.500	7815.65		168.35
44	1:47: 0	85.750	11868.20	1443.43	
45	2: 2: 0	86.000	7815.66		168.35
46	2:17: 0	86.250	11868.20	1443.43	
47	2:32: 0	86.500	7815.65		168.35
48	2:47: 0	86.750	11868.21	1443.44	
49	3: 2: 0	87.000	7815.67		168.35
50	3:17: 0	87.250	11868.22	1443.45	

DATE: 9/ 6/36
GAUGE SN #69160
WELL # 0
TEST # 49

DATA FILE: 4

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: 8HP @ 7300" GL
9-02-86 to 9-8-86

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	3:32: 0	87.500	7815.68		168.35
52	3:47: 0	87.750	11868.23	1443.46	
53	4: 2: 0	88.000	7815.68		168.35
54	4:17: 0	88.250	11868.23	1443.47	
55	4:32: 0	88.500	7815.67		168.35
56	4:47: 0	88.750	11868.23	1443.47	
57	5: 2: 0	89.000	7815.69		168.35
58	5:17: 0	89.250	11868.25	1443.49	
59	5:32: 0	89.500	7815.66		168.35
60	5:47: 0	89.750	11868.25	1443.49	
61	6: 2: 0	90.000	7815.69		168.35
62	6:17: 0	90.250	11868.26	1443.51	
63	6:32: 0	90.500	7815.70		168.35
64	6:47: 0	90.750	11868.26	1443.51	
65	7: 2: 0	91.000	7815.69		168.35
66	7:17: 0	91.250	11868.27	1443.52	
67	7:32: 0	91.500	7815.69		168.35
68	7:47: 0	91.750	11868.28	1443.53	
69	8: 2: 0	92.000	7815.71		168.35
70	8:17: 0	92.250	11868.28	1443.53	
71	8:32: 0	92.500	7815.71		168.35
72	8:47: 0	92.750	11868.29	1443.54	
73	9: 2: 0	93.000	7815.69		168.35
74	9:17: 0	93.250	11868.29	1443.54	
75	9:32: 0	93.500	7815.72		168.35
76	9:47: 0	93.750	11868.29	1443.55	
77	10: 2: 0	94.000	7815.68		168.35
78	10:17: 0	94.250	11868.30	1443.56	
79	10:32: 0	94.500	7815.70		168.35
80	10:47: 0	94.750	11868.30	1443.56	
81	11: 2: 0	95.000	7815.70		168.35
82	11:17: 0	95.250	11868.30	1443.56	
83	11:32: 0	95.500	7815.69		168.35
84	11:47: 0	95.750	11868.30	1443.56	
85	12: 2: 0	96.000	7815.71		168.35
86	12:17: 0	96.250	11868.31	1443.57	
87	12:32: 0	96.500	7815.66		168.35
88	12:47: 0	96.750	11868.31	1443.57	
89	13: 2: 0	97.000	7815.68		168.35
90	13:17: 0	97.250	11868.31	1443.58	
91	13:32: 0	97.500	7815.69		168.35
92	13:47: 0	97.750	11868.31	1443.58	
93	14: 2: 0	98.000	7815.71		168.35
94	14:17: 0	98.250	11868.32	1443.59	
95	14:32: 0	98.500	7815.71		168.35
96	14:47: 0	98.750	11868.33	1443.59	
97	15: 2: 0	99.000	7815.72		168.35
98	15:17: 0	99.250	11868.33	1443.59	
99	15:32: 0	99.500	7815.71		168.35
100	15:47: 0	99.750	11868.33	1443.60	

DATE: 9/ 8/86
GAUGE SN #89 60
WELL # 0
TEST # 49

DATA FILE: 5

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7300' GL
9-02-86 to 9-8-86

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	16: 2: 0	100.000	7815.72		168.35
2	16:17: 0	100.250	11868.34	1443.61	
3	16:32: 0	100.500	7815.75		168.35
4	16:47: 0	100.750	11868.34	1443.61	
5	17: 2: 0	101.000	7815.76		168.35
6	17:17: 0	101.250	11868.34	1443.61	
7	17:32: 0	101.500	7815.76		168.35
8	17:47: 0	101.750	11868.34	1443.61	
9	18: 2: 0	102.000	7815.75		168.35
10	18:17: 0	102.250	11868.35	1443.63	
11	18:32: 0	102.500	7815.69		168.35
12	18:47: 0	102.750	11868.35	1443.63	
13	19: 2: 0	103.000	7815.71		168.35
14	19:17: 0	103.250	11868.35	1443.63	
15	19:32: 0	103.500	7815.75		168.35
16	19:47: 0	103.750	11868.35	1443.63	
17	20: 2: 0	104.000	7815.74		168.35
18	20:17: 0	104.250	11868.36	1443.64	
19	20:32: 0	104.500	7815.74		168.35
20	20:47: 0	104.750	11868.37	1443.64	
21	21: 2: 0	105.000	7815.74		168.35
22	21:17: 0	105.250	11868.37	1443.64	
23	21:32: 0	105.500	7815.76		168.35
24	21:47: 0	105.750	11868.37	1443.65	
25	22: 2: 0	106.000	7815.73		168.35
26	22:17: 0	106.250	11868.37	1443.65	
27	22:32: 0	106.500	7815.70		168.35
28	22:47: 0	106.750	11868.37	1443.65	
29	23: 2: 0	107.000	7815.72		168.35
30	23:17: 0	107.250	11868.38	1443.66	
31	23:32: 0	107.500	7815.74		168.35
32	23:47: 0	107.750	11868.38	1443.66	
33	0: 2: 0	108.000	7815.76		168.35
34	0:17: 0	108.250	11868.38	1443.66	
35	0:32: 0	108.500	7815.77		168.36
36	0:47: 0	108.750	11868.38	1443.66	
37	1: 2: 0	109.000	7815.73		168.35
38	1:17: 0	109.250	11868.38	1443.66	
39	1:32: 0	109.500	7815.71		168.35
40	1:47: 0	109.750	11868.38	1443.66	
41	2: 2: 0	110.000	7815.74		168.35
42	2:17: 0	110.250	11868.38	1443.66	
43	2:32: 0	110.500	7815.73		168.35
44	2:47: 0	110.750	11868.39	1443.67	
45	3: 2: 0	111.000	7815.71		168.35
46	3:17: 0	111.250	11868.39	1443.67	
47	3:32: 0	111.500	7815.68		168.35
48	3:47: 0	111.750	11868.39	1443.67	
49	4: 2: 0	112.000	7815.71		168.35
50	4:17: 0	112.250	11868.39	1443.67	

DATE: 9/ 7/86
GAUGE SN #66160
WELL # 0
TEST # 49

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: CGU
COMMENTS: SHP @ 7300" GL
9-02-86 to 9-8-86

DATA FILE: 5

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	4:32: 0	112.500	7815.73		168.35
52	4:47: 0	112.750	11868.39	1443.68	
53	5: 2: 0	113.000	7815.73		168.35
54	5:17: 0	113.250	11868.39	1443.68	
55	5:32: 0	113.500	7815.73		168.35
56	5:47: 0	113.750	11868.40	1443.69	
57	6: 2: 0	114.000	7815.69		168.35
58	6:17: 0	114.250	11868.40	1443.69	
59	6:32: 0	114.500	7815.72		168.35
60	6:47: 0	114.750	11868.40	1443.69	
61	7: 2: 0	115.000	7815.69		168.35
62	7:17: 0	115.250	11868.40	1443.69	
63	7:32: 0	115.500	7815.75		168.35
64	7:47: 0	115.750	11868.40	1443.69	
65	8: 2: 0	116.000	7815.75		168.35
66	8:17: 0	116.250	11868.41	1443.70	
67	8:32: 0	116.500	7815.73		168.35
68	8:47: 0	116.750	11868.42	1443.71	
69	9: 2: 0	117.000	7815.71		168.35
70	9:17: 0	117.250	11868.42	1443.71	
71	9:32: 0	117.500	7815.70		168.35
72	9:47: 0	117.750	11868.41	1443.70	
73	10: 2: 0	118.000	7815.71		168.35
74	10:17: 0	118.250	11868.42	1443.71	
75	10:32: 0	118.500	7815.73		168.35
76	10:47: 0	118.750	11868.42	1443.71	
77	11: 2: 0	119.000	7815.74		168.35
78	11:17: 0	119.250	11868.42	1443.71	
79	11:32: 0	119.500	7815.73		168.35
80	11:47: 0	119.750	11868.42	1443.71	
81	12: 2: 0	120.000	7815.71		168.35
82	12:17: 0	120.250	11868.42	1443.71	
83	12:32: 0	120.500	7815.70		168.35
84	12:47: 0	120.750	11868.42	1443.71	
85	13: 2: 0	121.000	7815.73		168.35
86	13:17: 0	121.250	11868.42	1443.72	
87	13:32: 0	121.500	7815.71		168.35
88	13:47: 0	121.750	11868.42	1443.71	
89	14: 2: 0	122.000	7815.71		168.35
90	14:17: 0	122.250	11868.42	1443.71	
91	14:32: 0	122.500	7815.72		168.35
92	14:47: 0	122.750	11868.42	1443.71	
93	15: 2: 0	123.000	7815.73		168.35
94	15:17: 0	123.250	11868.42	1443.71	
95	15:32: 0	123.500	7815.74		168.35
96	15:47: 0	123.750	11868.42	1443.72	
97	16: 2: 0	124.000	7815.73		168.35
98	16:17: 0	124.250	11868.43	1443.72	
99	16:32: 0	124.500	7815.73		168.35
100	16:47: 0	124.750	11868.42	1443.71	

DATE: 9/ 7/86
GAUGE SN #69160
WELL # 0
TEST # 49

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: 000
COMMENTS: SHS @ 7300" BL
9-02-86 to 9-8-86

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	17: 2: 0	125.000	7815.73		168.35
2	17:17: 0	125.250	11868.43	1443.72	
3	17:32: 0	125.500	7815.73		168.35
4	17:47: 0	125.750	11868.43	1443.72	
5	18: 2: 0	126.000	7815.71		168.35
6	18:17: 0	126.250	11868.43	1443.72	
7	18:32: 0	126.500	7815.73		168.35
8	18:47: 0	126.750	11868.43	1443.72	
9	19: 2: 0	127.000	7815.68		168.35
10	19:17: 0	127.250	11868.43	1443.73	
11	19:32: 0	127.500	7815.69		168.35
12	19:47: 0	127.750	11868.43	1443.73	
13	20: 2: 0	128.000	7815.71		168.35
14	20:17: 0	128.250	11868.43	1443.73	
15	20:32: 0	128.500	7815.70		168.35
16	20:47: 0	128.750	11868.43	1443.73	
17	21: 2: 0	129.000	7815.69		168.35
18	21:17: 0	129.250	11868.44	1443.74	
19	21:32: 0	129.500	7815.68		168.35
20	21:47: 0	129.750	11868.43	1443.73	
21	22: 2: 0	130.000	7815.73		168.35
22	22:17: 0	130.250	11868.44	1443.74	
23	22:32: 0	130.500	7815.67		168.35
24	22:47: 0	130.750	11868.43	1443.73	
25	23: 2: 0	131.000	7815.67		168.35
26	23:17: 0	131.250	11868.43	1443.73	
27	23:32: 0	131.500	7815.69		168.35
28	23:47: 0	131.750	11868.43	1443.73	
29	0: 2: 0	132.000	7815.66		168.35
30	0:17: 0	132.250	11868.44	1443.74	
31	0:32: 0	132.500	7815.68		168.35
32	0:47: 0	132.750	11868.43	1443.73	
33	1: 2: 0	133.000	7815.66		168.35
34	1:17: 0	133.250	11868.43	1443.73	
35	1:32: 0	133.500	7815.69		168.35
36	1:47: 0	133.750	11868.43	1443.73	
37	2: 2: 0	134.000	7815.75		168.35
38	2:17: 0	134.250	11868.43	1443.73	
39	2:32: 0	134.500	7815.70		168.35
40	2:47: 0	134.750	11868.43	1443.72	
41	3: 2: 0	135.000	7815.69		168.35
42	3:17: 0	135.250	11868.43	1443.73	
43	3:32: 0	135.500	7815.74		168.35
44	3:47: 0	135.750	11868.43	1443.73	
45	4: 2: 0	136.000	7815.71		168.35
46	4:17: 0	136.250	11868.43	1443.73	
47	4:32: 0	136.500	7815.72		168.35
48	4:47: 0	136.750	11868.43	1443.73	
49	5: 2: 0	137.000	7815.73		168.35
50	5:17: 0	137.250	11868.43	1443.73	

DATE: 9/ 8/86
GAUGE SN #69160
WELL # 0
TEST # 49

DATA FILE: 3

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7300" GL
9-02-86 to 9-8-86

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	5:32: 0	137.500	7815.71		168.35
52	5:47: 0	137.750	11868.43	1443.73	
53	6: 2: 0	138.000	7815.76		168.36
54	6:17: 0	138.250	11868.44	1443.74	
55	6:32: 0	138.500	7815.72		168.35
56	6:47: 0	138.750	11868.44	1443.74	
57	7: 2: 0	139.000	7815.71		168.35
58	7:17: 0	139.250	11868.44	1443.74	
59	7:32: 0	139.500	7815.70		168.35
60	7:47: 0	139.750	11868.44	1443.74	
61	8: 2: 0	140.000	7815.69		168.35
62	8:17: 0	140.250	7815.70		168.35

B

EVIDENCE OF COMMUNICATION
CANADA OUITOS UNIT C-34 FRAC TREATMENT
APRIL 23, 1987

Evidence of communication in the area described by the orange lines on the plat on the facing page has been provided the Oil Conservation Division in numerous reports, studies and hearings; and summarized briefly in Case 9113 held March 30, 1987.

Evidence of communication west of and across the postulated area of permeability restriction (stippled area on plat) was presented in Cases 8946 and 8950 in August 1986 and in Case 9113 in March 1987.

Wells drilled early in the history of the Gavilan area showed pressures less than virgin, implying communication across the entire area; but no direct "cause and effect" examples of communication tying the east and west areas together have been presented to the Oil Conservation Division prior to this Case 9111.

Described in the following material is evidence of direct cause and effect communication between the east and west areas as demonstrated by frac treatment in the C-34 (junction of blue lines on plat) April 23, 1987 with response in the B-29 and B-32 wells (west end of blue lines on plat).

Frac treatment was in the A and B zones in the C-34. All three (A, B and C) zones were open in the observation wells.

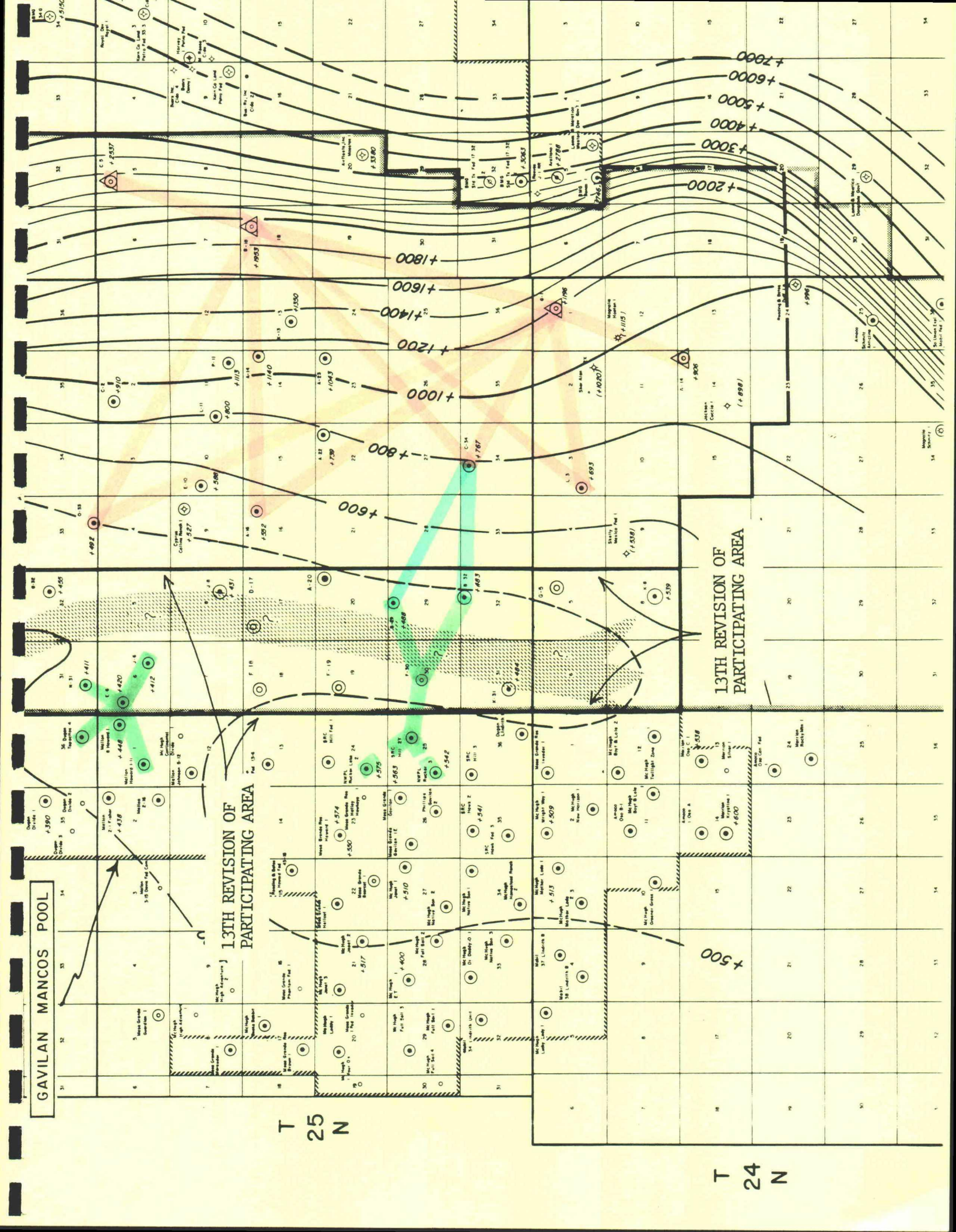
GAVILAN MANCOS POOL

13TH REVISION OF PARTICIPATING AREA

13TH REVISION OF PARTICIPATING AREA

T 25 N

T 24 N



NOTES REGARDING FRAC TREATMENT
OF THE A AND B ZONES
OF THE CANADA OJITOS UNIT C-34
AND EVENTS AFFECTING TIMING OF TREATMENT

APRIL 23, 1987

Unit Operator's long range plan for depletion of the Canada Ojitos Unit Niobrara reservoir has been to produce the C zone principally, shutting in updip high gas-oil ratio wells, until such time as injected gas has reached most of the downdip producers.

On reaching this stage in the depletion process, the next planned cycle is to increase the unit's gas handling capacity, restore to production the updip wells which had earlier been shut in, open up the A and B zones in the wells in which the A and B zones have not been produced and continue the pressure maintenance project until such time as economics of handling gas dictate the time to commence the "blow down" stage.

Production from wells in the Gavilan part of the reservoir has required that these depletion cycles be compressed; and in line with this accelerated development, Unit Operator obtained approval in the summer of 1986 to rework some of the wells by opening up to production the A and B zones, and to increase injection ability in these zones by opening up these zones in the Canada Ojitos Unit G-1 injection well (Section 1, Township 24 North, Range 1 West). The Canada Ojitos Unit C-34 well was one of the wells included in this program as a recovery well.

All of the wells planned for reworking had been initially completed with a 7-5/8" intermediate casing string with a 5-1/2" liner through the pay zone. Not knowing the condition of the 7-5/8" casing, authorization was obtained from the working interest owners to run a string of 5-1/2" casing inside the 7-5/8" casing if this appeared appropriate.

The running of 5-1/2" casing would require a bigger rig than the rigs ordinarily used for completion work; so to minimize the moving cost of the larger rig to handle the 5-1/2" casing, the Unit Operator elected to delay the rework program until such time as top to bottom holes were being drilled with the larger rigs. The drilling of top to bottom wells was in turn delayed pending a hoped-for recommendation of the Gavilan engineering committee for a cooperative agreement between Gavilan and the Canada Ojitos Unit. Such an agreement would include the numbers of new wells and their locations.

Failure of the engineering committee's work to bring about such a cooperative agreement between the two areas resulted in the August, 1986 hearing for Cases 8946 and 8950; at which time it became apparent that the unit would necessarily have to make a unilateral decision about drilling of some of the additional wells. Accordingly in September 1986, five additional wells were scheduled to be drilled along with the rework program; however a change in basic archaeological requirements for the Santa Fe National Forest in which the Canada Ojitos Unit is located brought about an unanticipated delay in all of the work. The end result of this was that through the winter of 1986-1987 all that was accomplished was the rotary drilling of the five wells.

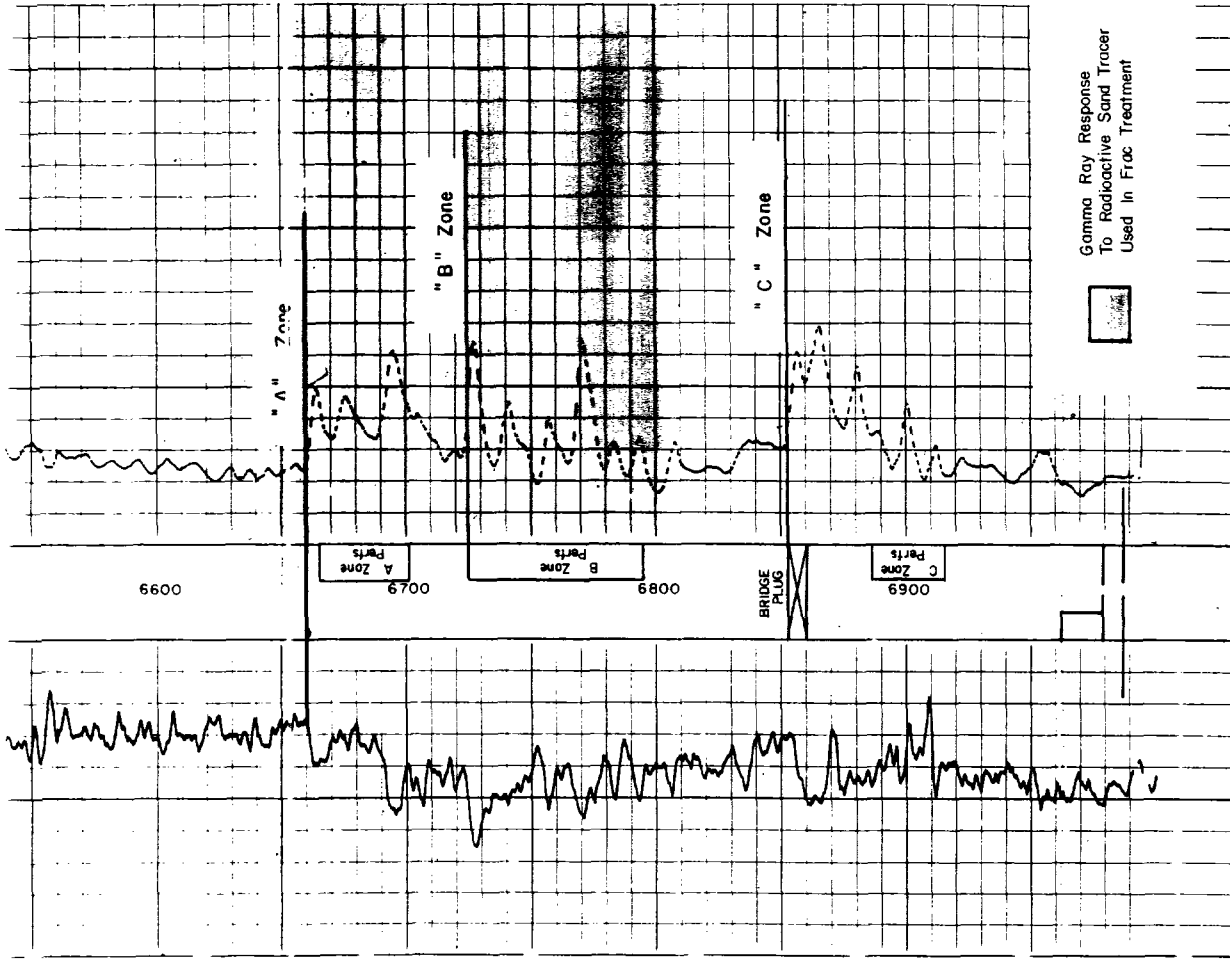
The sporadic periods of good weather permitted only the logging and perforating of the C-34 and G-1 wells prior to the time the Forest Rangers closed the roads to most of the operations within the unit. Accordingly the C-34 frac treatment could not be undertaken until mid-April. Within a few days after opening of the roads in April, the C-34 was fraced April 23, 1987.

SCHLUMBERGER

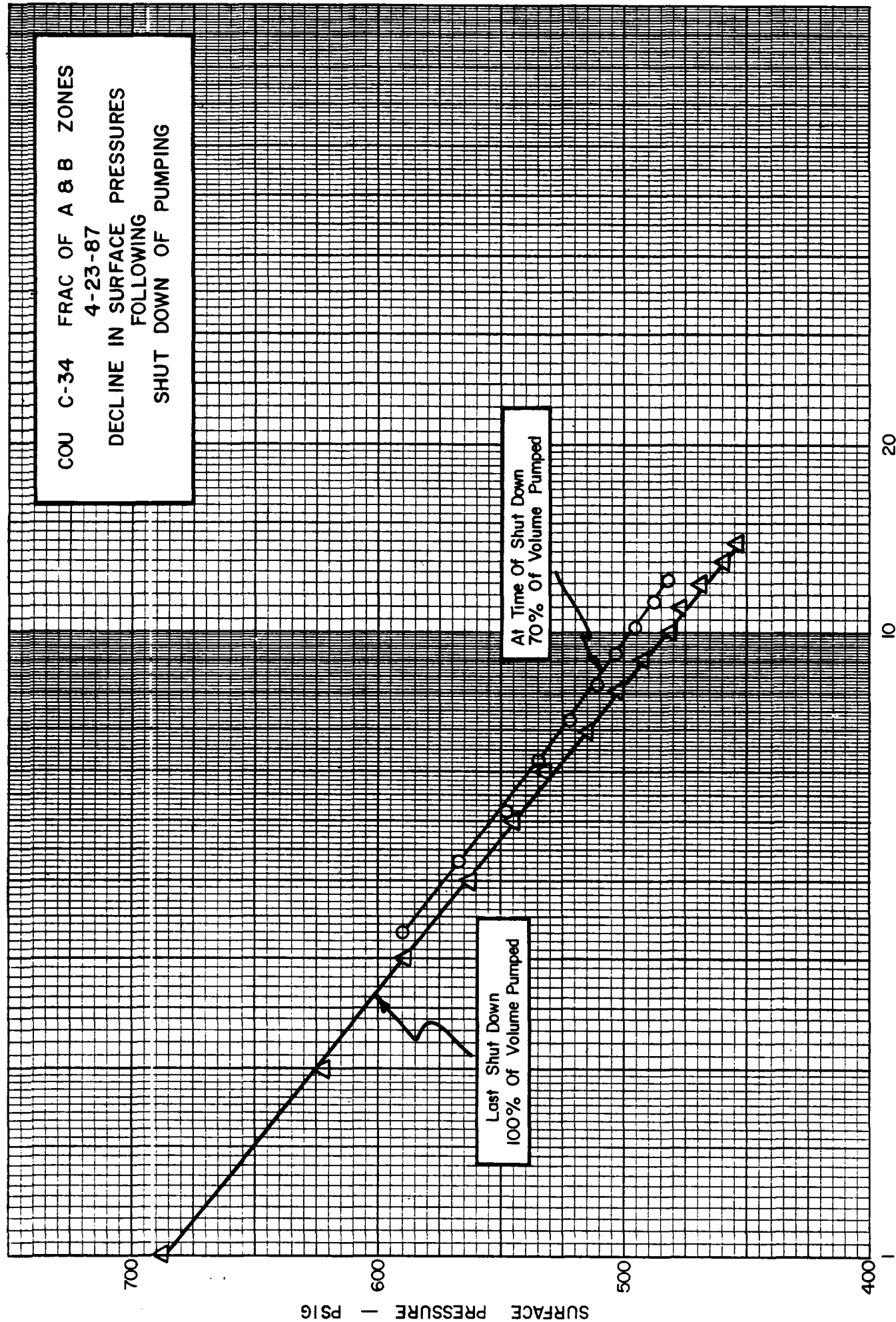
INDUCTION-ELECTRICAL LOG
INDUCTION-GAMMA RAY LOG

COMPANY		BENSON-MONTIN-GREER DRILLING CORPORATION	
WELL		CANADA OJITOS UNIT 14 (C-34)	
FIELD		W. PUERTO CHIQUITA	
COUNTY		RIO ARRIBA STATE NEW MEXICO	
LOCATION		S95' FNL 2145' FWL	
Other Services:		FDC/GR	
Sec. 34		Twp. 25N Rge. 1W	
Permanent Datum:		GL Elev. 7415	
Log Measured From:		KB 12 Ft. Above Perm. Datum	
Drilling Measured From:		KB	
Date		7/20/70	
Run No.		ONE	
Depth-Driller		6450	
Depth-Logger		6990	
Blm. Log Interval		6454 6987	
Top Log Interval		6453 6979	
Casing-Driller		0 3/4 380 7 5/8 @ 6453	
Casing-Logger		385 6453	
Bit Size		9 7/8 6 3/4	
Type Fluid in Hole		FGM GAS DRILLED	
Dens. Visc.		8.6 48 -- --	
pH Fluid Loss		9.0 4.2 ml -- --	
Source of Sample		CIRC -- --	
R _m @ Meas. Temp.		5.50 @ 85 °F -- @ -- °F	
R _{al} @ Meas. Temp.		3.55 @ 85 °F -- @ -- °F	
R _{ms} @ Meas. Temp.		-- @ -- °F -- @ -- °F	
Sources: R _{al} R _{ms}		M -- --	
R _m @ BHT		3.75 @ 125 °F -- @ -- °F	
Time Since Circ.		3 HRS -- --	
Max. Rec. Temp.		125 °F -- -- °F	
Equip. Location		5625 FARM 3860 FARM	
Recorded By		RUSEN OREN	
Witnessed By		MR. LONDON, MR. STOBBS	

SWP-1168-C



COU C-34 FRAC OF A & B ZONES
4-23-87
DECLINE IN SURFACE PRESSURES
FOLLOWING
SHUT DOWN OF PUMPING



ANTICIPATED RESPONSE IN OBSERVATION WELLS
FOLLOWING FRAC TREATMENT
IN CANADA OJITOS UNIT C-34
APRIL 23, 1987

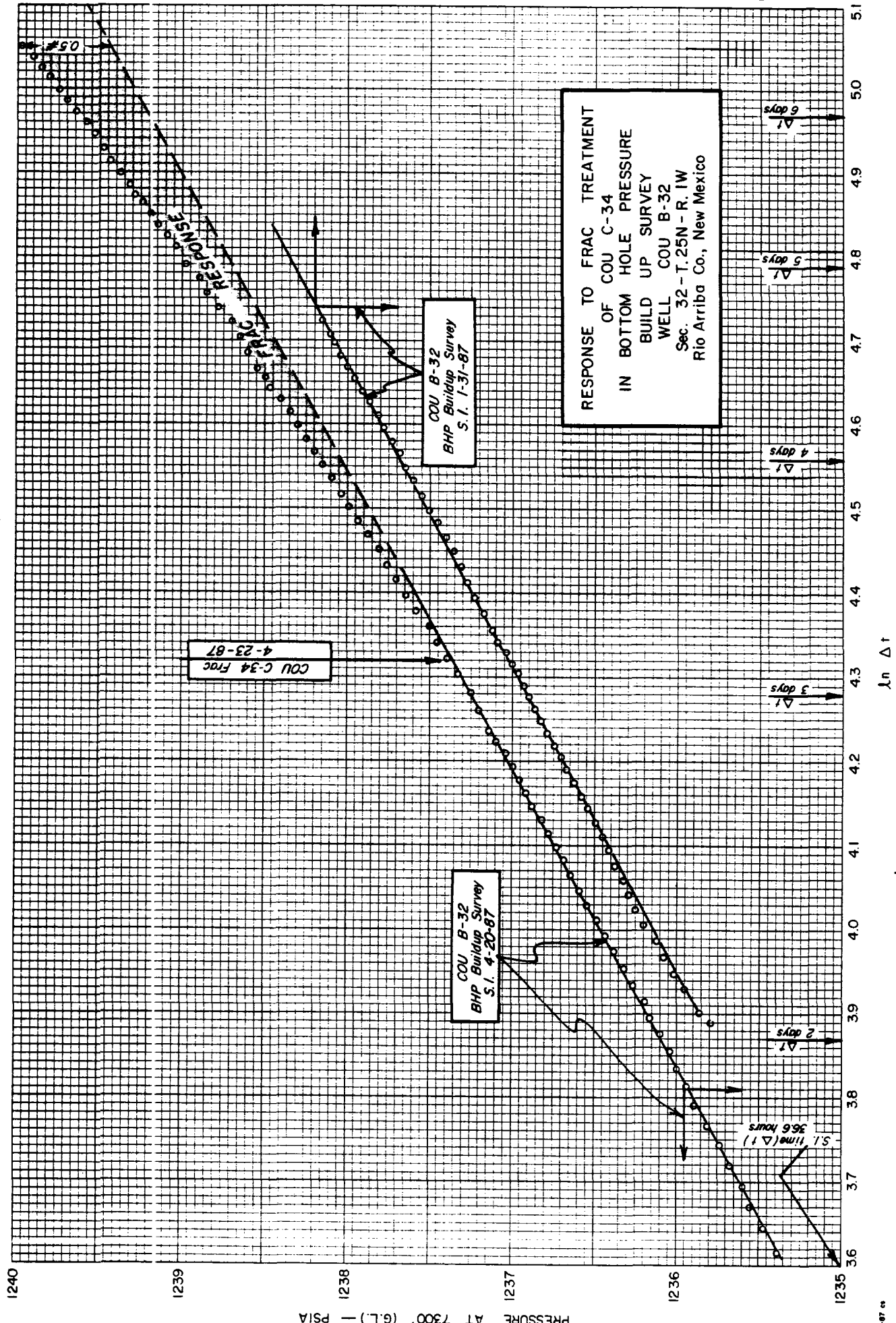
Unit Operator's typical procedure for frac treatments of wells recently drilled in the West Puerto Chiquito pool where all three zones are simultaneously stimulated includes frac volumes approximating 10,000 barrels of frac fluid and pump rates of approximately 100 barrels per minute.

For the C-34 in which only two zones (A and B zones) were to be stimulated, a frac volume and frac rate of approximately $\frac{2}{3}$ of the sizes typically used was selected. This meant a frac volume of about 6000 to 7000 barrels and a pump rate of 60 to 70 barrels per minute. The actual amounts which resulted in the frac treatment were 6986 barrels of frac fluid and a pump rate of 63 barrels per minute.

For these volumes, pump rate and distances to observation wells, and comparing this C-34 frac treatment with reservoir conditions similar to that found in other frac treatments, (see "Analysis of Pressure Pulses Generated by Frac Treatments") the anticipated response is estimated to approximate $\frac{1}{2}$ psi. As shown on the graph on the facing page, this was the measured response in the test (B-32 observation well).

If there were no interference from the frac treatment, a plot of pressure versus log time for the B-32 observation well should be a straight line. This occurred in the January 31 pressure build-up curve for this well, as shown on the lower line on the graph on the facing page.

To minimize extraneous interference effects, all wells in Township 25 North, Range 1 West were shut in during this test.



RESPONSE TO FRAC TREATMENT
OF COU C-34
IN BOTTOM HOLE PRESSURE
BUILD UP SURVEY
WELL COU B-32
Sec. 32 - T. 25N - R. 1W
Rio Arriba Co., New Mexico

COU C-34 Frac
4-23-87

COU B-32
BHP Buildup Survey
S.I. 4-20-87

COU B-32
BHP Buildup Survey
S.I. 1-31-87

36.6 hours
 Δt

2 days
 Δt

3 days
 Δt

4 days
 Δt

5 days
 Δt

6 days
 Δt

$\lambda n \Delta t$

CANADA OJITOS UNIT B-32
RESPONSE TO FRAC TREATMENT
OF CANADA OJITOS UNIT C-34
APRIL 23, 1987 (START PUMPING 11:00 AM)

B-32 SHUT IN AT 8:00 AM APRIL 20, 1987
 BOMB CLOCK TIME STARTS AT 14.28 HOURS
 14.28 - 8:00 = 6.28 HOURS TO ADD TO BOMB TIME TO DETERMINE Δt
 INSTRUMENT: GRC ELEMENT NO. 70059 SET AT 7300' GL

<u>Pressure</u> (Psia) (1)	<u>Bomb Time</u> (Hours) (2)	<u>Δt</u> (Hours) (3)	<u>ln Δt</u> (4)	<u>Pressure</u> (Psia) (5)	<u>Bomb Time</u> (Hours) (6)	<u>Δt</u> (Hours) (7)	<u>ln Δt</u> (8)
1234.49	20.80	27.08	3.299	1235.89	38.00	44.28	3.791
1234.52	21.10	27.38	3.310	1235.94	39.00	45.28	3.813
1234.56	21.60	27.88	3.328	1236.00	40.00	46.28	3.835
1234.60	22.10	28.38	3.346	1236.06	41.00	47.28	3.856
1234.64	22.50	28.78	3.360	1236.11	42.00	48.28	3.877
1234.70	23.10	29.38	3.380	1236.17	43.00	49.28	3.898
1234.75	23.60	29.88	3.397	1236.22	44.00	50.28	3.918
1234.79	24.10	30.38	3.414	1236.28	45.00	51.28	3.937
1234.84	24.60	30.88	3.430	1236.33	46.00	52.28	3.957
1234.88	25.10	31.38	3.446	1236.39	47.00	53.28	3.976
1234.94	25.60	31.88	3.462	1236.44	48.00	54.28	3.994
1234.97	26.00	32.28	3.474	1236.48	49.00	55.28	4.012
1235.02	26.50	32.78	3.490	1236.55	50.00	56.28	4.030
1235.07	27.00	33.28	3.505	1236.59	51.00	57.28	4.048
1235.11	27.50	33.78	3.520	1236.63	52.00	58.28	4.065
1235.16	28.00	34.28	3.535	1236.68	53.00	59.28	4.082
1235.19	28.50	34.78	3.549	1236.73	54.00	60.28	4.099
1235.24	29.00	35.28	3.563	1236.78	55.00	61.28	4.115
1235.32	30.00	36.28	3.591	1236.82	56.00	62.28	4.132
1235.39	31.00	37.28	3.618	1236.87	57.00	63.28	4.148
1235.47	32.00	38.28	3.645	1236.92	58.00	64.28	4.163
1235.55	33.00	39.28	3.671	1236.96	59.00	65.28	4.179
1235.61	34.00	40.28	3.696	1237.01	60.00	66.28	4.194
1235.69	35.00	41.28	3.720	1237.05	61.00	67.28	4.209
1235.75	36.00	42.28	3.744	1237.10	62.00	68.28	4.224
1235.82	37.00	43.28	3.768	1237.14	63.00	69.28	4.238

CANADA QUITOS UNIT B-32
RESPONSE TO FRAC TREATMENT
CANADA QUITOS UNIT C-34

PAGE 2

<u>Pressure</u> (Psia) (1)	<u>Bomb</u> <u>Time</u> (Hours) (2)	<u>Δt</u> (Hours) (3)	<u>ln Δt</u> (4)	<u>Pressure</u> (Psia) (5)	<u>Bomb</u> <u>Time</u> (Hours) (6)	<u>Δt</u> (Hours) (7)	<u>ln Δt</u> (8)
1237.21	64.50	70.78	4.260	1238.72	106.00	112.28	4.721
1237.26	66.00	72.28	4.281	1238.79	108.00	114.28	4.739
1237.34	67.50	73.78	4.301	1238.86	110.00	116.28	4.756
1237.40	69.00	75.28	4.321	1238.90	112.00	118.28	4.773
1237.46	70.50	76.78	4.341	1238.98	114.00	120.28	4.790
1237.52	72.00	78.28	4.360	1239.03	116.00	122.28	4.806
1237.59	73.50	79.78	4.379	1239.09	118.00	124.28	4.823
1237.65	75.00	81.28	4.398	1239.15	120.00	126.28	4.839
1237.71	76.50	82.78	4.416	1239.19	121.50	127.78	4.850
1237.77	78.00	84.28	4.434	1239.24	123.00	129.28	4.862
1237.83	79.50	85.78	4.452	1239.29	124.50	130.78	4.874
1237.88	81.00	87.28	4.469	1239.32	126.00	132.28	4.885
1237.94	82.50	88.78	4.486	1239.38	128.00	134.28	4.900
1237.98	84.00	90.28	4.503	1239.44	130.00	136.28	4.915
1238.05	85.50	91.78	4.519	1239.48	132.00	138.28	4.929
1238.10	87.00	93.28	4.536	1239.54	134.00	140.28	4.944
1238.16	88.50	94.78	4.552	1239.60	136.00	142.28	4.958
1238.19	90.00	96.28	4.567	1239.65	138.00	144.28	4.972
1238.25	91.50	97.78	4.583	1239.70	140.00	146.28	4.986
1238.30	93.00	99.28	4.598	1239.75	142.00	148.28	4.999
1238.36	94.50	100.78	4.613	1239.81	144.00	150.28	5.013
1238.41	96.00	102.28	4.628	1239.86	146.00	152.28	5.026
1238.47	97.50	103.78	4.642	1239.92	148.00	154.28	5.039
1238.51	99.00	105.28	4.657	1239.93	150.00	156.28	5.052
1238.55	100.00	106.28	4.666	1240.02	152.00	158.28	5.064
1238.60	102.00	108.28	4.685	1240.06	154.00	160.28	5.077
1238.67	104.00	110.28	4.703	1240.11	156.00	162.28	5.089

DATE: 4/20/87
GAUGE SN #70059
WELL # 0
TEST # 37

DATA FILE: 1

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7300' 6L
DWT TBG 999 psig

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE °F
1	15:17: 0	0.000	6648.63		75.89
2	16:17: 0	1.000	12045.27	15.43	
3	17:17: 0	2.000	6713.40		81.08
4	18:17: 0	3.000	12045.27	15.20	
5	19:17: 0	4.000	6693.44		79.48
6	20:17: 0	5.000	12045.09	15.07	
7	21:17: 0	6.000	6587.77		71.03
8	22:17: 0	7.000	12045.46	15.84	
9	23:17: 0	8.000	6458.98		60.75
10	0:17: 0	9.000	12045.42	16.24	
11	1:17: 0	10.000	6470.79		61.69
12	2:17: 0	11.000	12045.40	16.18	
13	3:17: 0	12.000	6465.50		61.27
14	4:17: 0	13.000	12045.47	16.27	
15	5:17: 0	14.000	6461.90		60.98
16	6:17: 0	15.000	12045.50	16.32	
17	6:20: 0	15.050	6460.40		60.86
18	6:23: 0	15.100	12045.50	16.32	
19	6:26: 0	15.150	6460.25		60.85
20	6:29: 0	15.200	12045.50	16.32	
21	6:32: 0	15.250	6460.22		60.84
22	6:36: 0	15.300	12045.51	16.33	
23	6:38: 0	15.350	6460.60		60.88
24	6:41: 0	15.400	12045.51	16.34	
25	6:44: 0	15.450	6460.57		60.87
26	6:47: 0	15.500	12045.51	16.34	
27	6:50: 0	15.550	6460.73		60.89
28	6:53: 0	15.600	12045.62	16.45	
29	6:56: 0	15.650	6433.84		58.74
30	6:59: 0	15.700	12045.81	16.76	
31	7: 2: 0	15.750	6412.99		57.08
32	7: 5: 0	15.800	12045.90	16.92	
33	7: 8: 0	15.850	6392.42		55.44
34	7:11: 0	15.900	12045.88	16.97	
35	7:14: 0	15.950	6376.75		54.19
36	7:17: 0	16.000	12046.08	17.24	
37	7:20: 0	16.050	6366.53		53.38
38	7:23: 0	16.100	12046.20	17.41	
39	7:26: 0	16.150	6355.84		52.53
40	7:29: 0	16.200	12046.32	17.57	
41	7:32: 0	16.250	6343.17		51.52
42	7:35: 0	16.300	12046.43	17.74	
43	7:38: 0	16.350	6330.45		50.51
44	7:41: 0	16.400	12046.52	17.88	
45	7:44: 0	16.450	6319.86		49.66
46	7:47: 0	16.500	12046.56	17.96	
47	7:50: 0	16.550	6310.47		48.92
48	7:53: 0	16.600	12046.58	18.02	
49	7:56: 0	16.650	6304.33		48.43
50	7:59: 0	16.700	12046.50	17.95	

DATE: 4/21/37
GAUGE SN #70059
WELL # 0
TEST # 57

COMPANY: BMG
CLIENT:
WELL NAME: 8-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7300' GL
DWT TB6 999 psig

DATA FILE: 1

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	8: 2: 0	16.750	6297.89		47.92
52	8: 5: 0	16.800	12046.49	17.96	
53	8: 8: 0	16.850	6297.73		47.90
54	8:11: 0	16.900	12046.38	17.84	
55	8:14: 0	16.950	6299.79		48.07
56	8:17: 0	17.000	12046.00	17.42	
57	8:20: 0	17.050	6311.17		48.97
58	8:23: 0	17.100	12843.48	995.83	
59	8:26: 0	17.150	6380.55		54.50
60	8:29: 0	17.200	12845.32	997.95	
61	8:32: 0	17.250	6380.42		54.49
62	8:35: 0	17.300	12847.82	1001.38	
63	8:38: 0	17.350	6382.05		54.61
64	8:41: 0	17.400	12855.95	1012.48	
65	8:44: 0	17.450	6514.54		65.18
66	8:47: 0	17.500	12882.82	1048.64	
67	8:50: 0	17.550	6733.93		82.72
68	8:53: 0	17.600	12918.45	1096.68	
69	8:56: 0	17.650	7148.47		116.04
70	8:59: 0	17.700	12963.15	1156.29	
71	9: 2: 0	17.750	7499.16		144.40
72	9: 5: 0	17.800	13000.77	1206.44	
73	9: 8: 0	17.850	7767.94		166.24
74	9:11: 0	17.900	13021.17	1234.04	
75	9:14: 0	17.950	7772.42		166.61
76	9:17: 0	18.000	13021.34	1234.27	
77	9:20: 0	18.050	7777.37		167.01
78	9:23: 0	18.100	13021.44	1234.38	
79	9:26: 0	18.150	7780.49		167.27
80	9:29: 0	18.200	13021.47	1234.42	
81	9:32: 0	18.250	7782.15		167.40
82	9:35: 0	18.300	13021.50	1234.44	
83	9:38: 0	18.350	7783.00		167.47
84	9:41: 0	18.400	13021.50	1234.44	
85	9:44: 0	18.450	7783.70		167.53
86	9:47: 0	18.500	13021.50	1234.44	
87	9:50: 0	18.550	7784.19		167.57
88	9:53: 0	18.600	13021.50	1234.44	
89	9:56: 0	18.650	7784.54		167.60
90	9:59: 0	18.700	13021.51	1234.45	
91	10: 2: 0	18.750	7784.80		167.62
92	10: 5: 0	18.800	13021.50	1234.44	
93	10: 8: 0	18.850	7784.98		167.63
94	10:11: 0	18.900	13021.51	1234.45	
95	10:14: 0	18.950	7785.18		167.65
96	10:17: 0	19.000	13021.51	1234.45	
97	10:20: 0	19.050	7785.32		167.66
98	10:23: 0	19.100	13021.51	1234.46	
99	10:26: 0	19.150	7785.40		167.67
100	10:29: 0	19.200	13021.51	1234.46	

DATE: 4/21/87
GAUGE SN #76059
WELL # 0
TEST # 37

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7300' GL
DWT T86 999 psig

DATA FILE: 2

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	10:32: 0	19.250	7785.47		167.67
2	10:35: 0	19.300	13021.51	1234.46	
3	10:38: 0	19.350	7785.56		167.68
4	10:41: 0	19.400	13021.52	1234.46	
5	10:44: 0	19.450	7785.64		167.69
6	10:47: 0	19.500	13021.52	1234.47	
7	10:50: 0	19.550	7785.69		167.69
8	10:53: 0	19.600	13021.52	1234.47	
9	10:56: 0	19.650	7785.70		167.69
10	10:59: 0	19.700	13021.53	1234.49	
11	11: 2: 0	19.750	7785.73		167.69
12	11: 5: 0	19.800	13021.54	1234.49	
13	11: 8: 0	19.850	7785.74		167.69
14	11:11: 0	19.900	13021.54	1234.49	
15	11:14: 0	19.950	7785.71		167.69
16	11:17: 0	20.000	13021.55	1234.51	
17	11:20: 0	20.050	7785.80		167.70
18	11:23: 0	20.100	13021.55	1234.51	
19	11:26: 0	20.150	7785.85		167.70
20	11:29: 0	20.200	13021.56	1234.53	
21	11:32: 0	20.250	7785.85		167.70
22	11:35: 0	20.300	13021.57	1234.54	
23	11:38: 0	20.350	7785.88		167.70
24	11:41: 0	20.400	13021.57	1234.54	
25	11:44: 0	20.450	7785.88		167.70
26	11:47: 0	20.500	13021.58	1234.55	
27	11:50: 0	20.550	7785.93		167.71
28	11:53: 0	20.600	13021.58	1234.56	
29	11:56: 0	20.650	7785.98		167.71
30	11:59: 0	20.700	13021.60	1234.57	
31	12: 2: 0	20.750	7786.03		167.72
32	12: 5: 0	20.800	13021.60	1234.57	
33	12: 8: 0	20.850	7786.08		167.72
34	12:11: 0	20.900	13021.61	1234.59	
35	12:14: 0	20.950	7786.11		167.72
36	12:17: 0	21.000	13021.61	1234.59	
37	12:20: 0	21.050	7786.13		167.73
38	12:23: 0	21.100	13021.61	1234.60	
39	12:26: 0	21.150	7786.11		167.72
40	12:29: 0	21.200	13021.62	1234.61	
41	12:32: 0	21.250	7786.17		167.73
42	12:35: 0	21.300	13021.63	1234.62	
43	12:38: 0	21.350	7786.17		167.73
44	12:41: 0	21.400	13021.64	1234.63	
45	12:44: 0	21.450	7786.12		167.72
46	12:47: 0	21.500	13021.65	1234.64	
47	12:50: 0	21.550	7786.15		167.73
48	12:53: 0	21.600	13021.65	1234.64	
49	12:56: 0	21.650	7786.13		167.73
50	12:59: 0	21.700	13021.66	1234.67	

DATE: 4/21/87
GAUGE SN #70059
WELL # 0
TEST # 37

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: 000
COMMENTS: BHP @ 7300' 6L
DWT T86 999 psig

DATA FILE: 2

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	13: 2: 0	21.750	7786.18		167.73
52	13: 5: 0	21.800	13021.67	1234.67	
53	13: 8: 0	21.850	7786.21		167.73
54	13:11: 0	21.900	13021.67	1234.67	
55	13:14: 0	21.950	7786.19		167.73
56	13:17: 0	22.000	13021.67	1234.68	
57	13:20: 0	22.050	7786.26		167.74
58	13:23: 0	22.100	13021.69	1234.70	
59	13:26: 0	22.150	7786.29		167.74
60	13:29: 0	22.200	13021.69	1234.71	
61	13:32: 0	22.250	7786.27		167.74
62	13:35: 0	22.300	13021.70	1234.71	
63	13:38: 0	22.350	7786.26		167.74
64	13:41: 0	22.400	13021.71	1234.73	
65	13:44: 0	22.450	7786.26		167.74
66	13:47: 0	22.500	13021.71	1234.74	
67	13:50: 0	22.550	7786.23		167.73
68	13:53: 0	22.600	13021.72	1234.75	
69	13:56: 0	22.650	7786.27		167.74
70	13:59: 0	22.700	13021.72	1234.75	
71	14: 2: 0	22.750	7786.27		167.74
72	14: 5: 0	22.800	13021.73	1234.76	
73	14: 8: 0	22.850	7786.27		167.74
74	14:11: 0	22.900	13021.74	1234.78	
75	14:14: 0	22.950	7786.30		167.74
76	14:17: 0	23.000	13021.74	1234.78	
77	14:20: 0	23.050	7786.28		167.74
78	14:23: 0	23.100	13021.75	1234.79	
79	14:26: 0	23.150	7786.33		167.74
80	14:29: 0	23.200	13021.76	1234.80	
81	14:32: 0	23.250	7786.36		167.74
82	14:35: 0	23.300	13021.77	1234.82	
83	14:38: 0	23.350	7786.33		167.74
84	14:41: 0	23.400	13021.77	1234.83	
85	14:44: 0	23.450	7786.34		167.74
86	14:47: 0	23.500	13021.78	1234.83	
87	14:50: 0	23.550	7786.31		167.74
88	14:53: 0	23.600	13021.79	1234.84	
89	14:56: 0	23.650	7786.32		167.74
90	14:59: 0	23.700	13021.79	1234.85	
91	15: 2: 0	23.750	7786.35		167.74
92	15: 5: 0	23.800	13021.80	1234.86	
93	15: 8: 0	23.850	7786.37		167.74
94	15:11: 0	23.900	13021.80	1234.86	
95	15:14: 0	23.950	7786.37		167.74
96	15:17: 0	24.000	13021.81	1234.88	
97	15:20: 0	24.050	7786.37		167.74
98	15:23: 0	24.100	13021.81	1234.88	
99	15:26: 0	24.150	7786.36		167.74
100	15:29: 0	24.200	13021.82	1234.90	

DATE: 4/21/37
GAUGE SN #70059
WELL # 0
TEST # 97

DATA FILE: 3

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7300' 6L
DWT TBG 999 psig

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	15:32: 0	24.250	7786.37		167.74
2	15:35: 0	24.300	13021.84	1234.91	
3	15:38: 0	24.350	7786.40		167.75
4	15:41: 0	24.400	13021.84	1234.91	
5	15:44: 0	24.450	7786.39		167.75
6	15:47: 0	24.500	13021.84	1234.92	
7	15:50: 0	24.550	7786.42		167.75
8	15:53: 0	24.600	13021.85	1234.94	
9	15:56: 0	24.650	7786.45		167.75
10	15:59: 0	24.700	13021.85	1234.94	
11	16: 2: 0	24.750	7786.46		167.75
12	16: 5: 0	24.800	13021.86	1234.95	
13	16: 8: 0	24.850	7786.46		167.75
14	16:11: 0	24.900	13021.87	1234.96	
15	16:14: 0	24.950	7786.46		167.75
16	16:17: 0	25.000	13021.88	1234.97	
17	16:32: 0	25.250	7786.47		167.75
18	16:47: 0	25.500	13021.91	1235.02	
19	17: 2: 0	25.750	7786.45		167.75
20	17:17: 0	26.000	13021.95	1235.07	
21	17:32: 0	26.250	7786.45		167.75
22	17:47: 0	26.500	13021.98	1235.11	
23	18: 2: 0	26.750	7786.47		167.75
24	18:17: 0	27.000	13022.01	1235.16	
25	18:32: 0	27.250	7786.41		167.75
26	18:47: 0	27.500	13022.03	1235.19	
27	19: 2: 0	27.750	7786.51		167.76
28	19:17: 0	28.000	13022.06	1235.24	
29	19:32: 0	28.250	7786.47		167.75
30	19:47: 0	28.500	13022.09	1235.28	
31	20: 2: 0	28.750	7786.49		167.75
32	20:17: 0	29.000	13022.12	1235.32	
33	20:32: 0	29.250	7786.46		167.75
34	20:47: 0	29.500	13022.15	1235.36	
35	21: 2: 0	29.750	7786.53		167.76
36	21:17: 0	30.000	13022.17	1235.39	
37	21:32: 0	30.250	7786.57		167.76
38	21:47: 0	30.500	13022.20	1235.43	
39	22: 2: 0	30.750	7786.55		167.76
40	22:17: 0	31.000	13022.23	1235.47	
41	22:32: 0	31.250	7786.57		167.76
42	22:47: 0	31.500	13022.25	1235.50	
43	23: 2: 0	31.750	7786.57		167.76
44	23:17: 0	32.000	13022.28	1235.55	
45	23:32: 0	32.250	7786.64		167.77
46	23:47: 0	32.500	13022.30	1235.58	
47	0: 2: 0	32.750	7786.67		167.77
48	0:17: 0	33.000	13022.33	1235.61	
49	0:32: 0	33.250	7786.65		167.77
50	0:47: 0	33.500	13022.36	1235.65	

DATE: 4/22/37
GAUGE SN #70059
WELL # 0
TEST # 37

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: DCU
COMMENTS: 8HP @ 7300' GL
DWT TBG 999 psig

DATA FILE: 3

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	1: 2: 0	33.750	7786.66		167.77
52	1:17: 0	34.000	13022.38	1235.69	
53	1:32: 0	34.250	7786.61		167.76
54	1:47: 0	34.500	13022.41	1235.72	
55	2: 2: 0	34.750	7786.58		167.76
56	2:17: 0	35.000	13022.42	1235.75	
57	2:32: 0	35.250	7786.61		167.76
58	2:47: 0	35.500	13022.44	1235.78	
59	3: 2: 0	35.750	7786.64		167.77
60	3:17: 0	36.000	13022.47	1235.82	
61	3:32: 0	36.250	7786.62		167.77
62	3:47: 0	36.500	13022.49	1235.84	
63	4: 2: 0	36.750	7786.62		167.76
64	4:17: 0	37.000	13022.52	1235.89	
65	4:32: 0	37.250	7786.66		167.77
66	4:47: 0	37.500	13022.54	1235.91	
67	5: 2: 0	37.750	7786.63		167.77
68	5:17: 0	38.000	13022.56	1235.94	
69	5:32: 0	38.250	7786.66		167.77
70	5:47: 0	38.500	13022.58	1235.97	
71	6: 2: 0	38.750	7786.65		167.77
72	6:17: 0	39.000	13022.60	1236.00	
73	6:32: 0	39.250	7786.65		167.77
74	6:47: 0	39.500	13022.62	1236.03	
75	7: 2: 0	39.750	7786.67		167.77
76	7:17: 0	40.000	13022.65	1236.06	
77	7:32: 0	40.250	7786.66		167.77
78	7:47: 0	40.500	13022.66	1236.09	
79	8: 2: 0	40.750	7786.67		167.77
80	8:17: 0	41.000	13022.68	1236.11	
81	8:32: 0	41.250	7786.68		167.77
82	8:47: 0	41.500	13022.70	1236.14	
83	9: 2: 0	41.750	7786.72		167.77
84	9:17: 0	42.000	13022.72	1236.17	
85	9:32: 0	42.250	7786.70		167.77
86	9:47: 0	42.500	13022.75	1236.21	
87	10: 2: 0	42.750	7786.73		167.77
88	10:17: 0	43.000	13022.76	1236.22	
89	10:32: 0	43.250	7786.79		167.78
90	10:47: 0	43.500	13022.78	1236.25	
91	11: 2: 0	43.750	7786.76		167.78
92	11:17: 0	44.000	13022.80	1236.28	
93	11:32: 0	44.250	7786.79		167.78
94	11:47: 0	44.500	13022.81	1236.30	
95	12: 2: 0	44.750	7786.80		167.78
96	12:17: 0	45.000	13022.83	1236.33	
97	12:32: 0	45.250	7786.84		167.78
98	12:47: 0	45.500	13022.85	1236.36	
99	13: 2: 0	45.750	7786.81		167.78
100	13:17: 0	46.000	13022.87	1236.39	

DATE: 4/22/37
GAUGE SN #70059
WELL # 0
TEST # 97

DATA FILE: 4

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7300' GL
DWT T86 999 psig

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	13:32: 0	46.250	7786.80		167.78
2	13:47: 0	46.500	13022.90	1236.42	
3	14: 2: 0	46.750	7786.81		167.78
4	14:17: 0	47.000	13022.91	1236.44	
5	14:32: 0	47.250	7786.85		167.78
6	14:47: 0	47.500	13022.93	1236.47	
7	15: 2: 0	47.750	7786.81		167.78
8	15:17: 0	48.000	13022.94	1236.48	
9	15:32: 0	48.250	7786.80		167.78
10	15:47: 0	48.500	13022.97	1236.52	
11	16: 2: 0	48.750	7786.79		167.78
12	16:17: 0	49.000	13022.99	1236.55	
13	16:32: 0	49.250	7786.85		167.78
14	16:47: 0	49.500	13023.00	1236.56	
15	17: 2: 0	49.750	7786.87		167.79
16	17:17: 0	50.000	13023.02	1236.59	
17	17:32: 0	50.250	7786.86		167.78
18	17:47: 0	50.500	13023.04	1236.62	
19	18: 2: 0	50.750	7786.90		167.79
20	18:17: 0	51.000	13023.05	1236.63	
21	18:32: 0	51.250	7786.89		167.79
22	18:47: 0	51.500	13023.07	1236.67	
23	19: 2: 0	51.750	7786.88		167.79
24	19:17: 0	52.000	13023.08	1236.68	
25	19:32: 0	52.250	7786.94		167.79
26	19:47: 0	52.500	13023.10	1236.71	
27	20: 2: 0	52.750	7786.93		167.79
28	20:17: 0	53.000	13023.11	1236.73	
29	20:32: 0	53.250	7786.96		167.79
30	20:47: 0	53.500	13023.13	1236.74	
31	21: 2: 0	53.750	7786.93		167.79
32	21:17: 0	54.000	13023.15	1236.78	
33	21:32: 0	54.250	7786.99		167.80
34	21:47: 0	54.500	13023.16	1236.79	
35	22: 2: 0	54.750	7786.95		167.79
36	22:17: 0	55.000	13023.18	1236.82	
37	22:32: 0	55.250	7787.00		167.80
38	22:47: 0	55.500	13023.20	1236.85	
39	23: 2: 0	55.750	7786.97		167.79
40	23:17: 0	56.000	13023.21	1236.87	
41	23:32: 0	56.250	7786.98		167.79
42	23:47: 0	56.500	13023.23	1236.89	
43	0: 2: 0	56.750	7787.03		167.80
44	0:17: 0	57.000	13023.25	1236.92	
45	0:32: 0	57.250	7786.98		167.79
46	0:47: 0	57.500	13023.26	1236.94	
47	1: 2: 0	57.750	7787.00		167.80
48	1:17: 0	58.000	13023.28	1236.96	
49	1:32: 0	58.250	7787.05		167.80
50	1:47: 0	58.500	13023.30	1236.99	

DATE: 4/23/37
GAUGE SN #70059
WELL # 0
TEST # 37

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7300' 6L
DWT TBG 999 psig

DATA FILE: 4

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	2: 2: 0	58.750	7787.03		167.80
52	2:17: 0	59.000	13023.31	1237.01	
53	2:32: 0	59.250	7787.04		167.80
54	2:47: 0	59.500	13023.33	1237.04	
55	3: 2: 0	59.750	7787.01		167.80
56	3:17: 0	60.000	13023.34	1237.05	
57	3:32: 0	60.250	7787.07		167.80
58	3:47: 0	60.500	13023.36	1237.08	
59	4: 2: 0	60.750	7787.07		167.80
60	4:17: 0	61.000	13023.38	1237.10	
61	4:32: 0	61.250	7787.04		167.80
62	4:47: 0	61.500	13023.39	1237.12	
63	5: 2: 0	61.750	7787.00		167.80
64	5:17: 0	62.000	13023.40	1237.14	
65	5:32: 0	62.250	7787.01		167.80
66	5:47: 0	62.500	13023.42	1237.17	
67	6: 2: 0	62.750	7786.99		167.79
68	6:17: 0	63.000	13023.44	1237.19	
69	6:32: 0	63.250	7787.02		167.80
70	6:47: 0	63.500	13023.45	1237.21	
71	7: 2: 0	63.750	7787.06		167.80
72	7:17: 0	64.000	13023.47	1237.23	
73	7:32: 0	64.250	7787.05		167.80
74	7:47: 0	64.500	13023.48	1237.24	
75	8: 2: 0	64.750	7787.05		167.80
76	8:17: 0	65.000	13023.49	1237.26	
77	8:32: 0	65.250	7787.01		167.80
78	8:47: 0	65.500	13023.51	1237.29	
79	9: 2: 0	65.750	7787.05		167.80
80	9:17: 0	66.000	13023.53	1237.32	
81	9:32: 0	66.250	7787.08		167.80
82	9:47: 0	66.500	13023.54	1237.34	
83	10: 2: 0	66.750	7787.08		167.80
84	10:17: 0	67.000	13023.55	1237.36	
85	10:32: 0	67.250	7787.09		167.80
86	10:47: 0	67.500	13023.57	1237.38	
87	11: 2: 0	67.750	7787.09		167.80
88	11:17: 0	68.000	13023.58	1237.40	
89	11:32: 0	68.250	7787.09		167.80
90	11:47: 0	68.500	13023.59	1237.41	
91	12: 2: 0	68.750	7787.10		167.80
92	12:17: 0	69.000	13023.62	1237.44	
93	12:32: 0	69.250	7787.16		167.81
94	12:47: 0	69.500	13023.63	1237.46	
95	13: 2: 0	69.750	7787.12		167.81
96	13:17: 0	70.000	13023.65	1237.49	
97	13:32: 0	70.250	7787.06		167.80
98	13:47: 0	70.500	13023.67	1237.51	
99	14: 2: 0	70.750	7787.10		167.80
100	14:17: 0	71.000	13023.67	1237.52	

DATE: 4/23/87
GAUGE SN #70059
WELL # 0
TEST # 57

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: nD
LOCATION: 000
COMMENTS: BHP @ 7300' GL
DWT 186 999 psig

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	14:32: 0	71.250	7787.15		167.81
2	14:47: 0	71.500	13023.69	1237.55	
3	15: 2: 0	71.750	7787.14		167.81
4	15:17: 0	72.000	13023.71	1237.57	
5	15:32: 0	72.250	7787.12		167.81
6	15:47: 0	72.500	13023.72	1237.59	
7	16: 2: 0	72.750	7787.13		167.81
8	16:17: 0	73.000	13023.73	1237.61	
9	16:32: 0	73.250	7787.18		167.81
10	16:47: 0	73.500	13023.75	1237.63	
11	17: 2: 0	73.750	7787.13		167.81
12	17:17: 0	74.000	13023.76	1237.65	
13	17:32: 0	74.250	7787.17		167.81
14	17:47: 0	74.500	13023.78	1237.67	
15	18: 2: 0	74.750	7787.18		167.81
16	18:17: 0	75.000	13023.79	1237.69	
17	18:32: 0	75.250	7787.15		167.81
18	18:47: 0	75.500	13023.81	1237.71	
19	19: 2: 0	75.750	7787.19		167.81
20	19:17: 0	76.000	13023.82	1237.73	
21	19:32: 0	76.250	7787.22		167.81
22	19:47: 0	76.500	13023.83	1237.75	
23	20: 2: 0	76.750	7787.19		167.81
24	20:17: 0	77.000	13023.84	1237.77	
25	20:32: 0	77.250	7787.18		167.81
26	20:47: 0	77.500	13023.86	1237.78	
27	21: 2: 0	77.750	7787.17		167.81
28	21:17: 0	78.000	13023.87	1237.81	
29	21:32: 0	78.250	7787.22		167.81
30	21:47: 0	78.500	13023.89	1237.83	
31	22: 2: 0	78.750	7787.27		167.82
32	22:17: 0	79.000	13023.90	1237.84	
33	22:32: 0	79.250	7787.20		167.81
34	22:47: 0	79.500	13023.91	1237.86	
35	23: 2: 0	79.750	7787.24		167.82
36	23:17: 0	80.000	13023.92	1237.88	
37	23:32: 0	80.250	7787.29		167.82
38	23:47: 0	80.500	13023.93	1237.90	
39	0: 2: 0	80.750	7787.29		167.82
40	0:17: 0	81.000	13023.95	1237.91	
41	0:32: 0	81.250	7787.30		167.82
42	0:47: 0	81.500	13023.96	1237.94	
43	1: 2: 0	81.750	7787.22		167.81
44	1:17: 0	82.000	13023.98	1237.96	
45	1:32: 0	82.250	7787.25		167.82
46	1:47: 0	82.500	13023.99	1237.97	
47	2: 2: 0	82.750	7787.27		167.82
48	2:17: 0	83.000	13024.00	1237.98	
49	2:32: 0	83.250	7787.24		167.82
50	2:47: 0	83.500	13024.02	1238.01	

DATE: 4/24/37
GAUGE SN #70359
WELL # 0
TEST # 37

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: ND
LOCATION: COU
COMMENTS: BHP @ 7300' GL
DWT TBG 999 psig

DATA FILE: 5

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	3: 2: 0	83.750	7787.25		167.82
52	3:17: 0	84.000	13024.03	1238.03	
53	3:32: 0	84.250	7787.24		167.82
54	3:47: 0	84.500	13024.05	1238.05	
55	4: 2: 0	84.750	7787.25		167.82
56	4:17: 0	85.000	13024.06	1238.07	
57	4:32: 0	85.250	7787.29		167.82
58	4:47: 0	85.500	13024.07	1238.09	
59	5: 2: 0	85.750	7787.32		167.82
60	5:17: 0	86.000	13024.08	1238.10	
61	5:32: 0	86.250	7787.25		167.82
62	5:47: 0	86.500	13024.09	1238.12	
63	6: 2: 0	86.750	7787.28		167.82
64	6:17: 0	87.000	13024.10	1238.13	
65	6:32: 0	87.250	7787.29		167.82
66	6:47: 0	87.500	13024.12	1238.16	
67	7: 2: 0	87.750	7787.30		167.82
68	7:17: 0	88.000	13024.13	1238.17	
69	7:32: 0	88.250	7787.29		167.82
70	7:47: 0	88.500	13024.14	1238.18	
71	8: 2: 0	88.750	7787.28		167.82
72	8:17: 0	89.000	13024.14	1238.19	
73	8:32: 0	89.250	7787.33		167.82
74	8:47: 0	89.500	13024.15	1238.21	
75	9: 2: 0	89.750	7787.27		167.82
76	9:17: 0	90.000	13024.17	1238.24	
77	9:32: 0	90.250	7787.27		167.82
78	9:47: 0	90.500	13024.19	1238.25	
79	10: 2: 0	90.750	7787.27		167.82
80	10:17: 0	91.000	13024.20	1238.27	
81	10:32: 0	91.250	7787.31		167.82
82	10:47: 0	91.500	13024.21	1238.28	
83	11: 2: 0	91.750	7787.28		167.82
84	11:17: 0	92.000	13024.22	1238.30	
85	11:32: 0	92.250	7787.38		167.83
86	11:47: 0	92.500	13024.24	1238.32	
87	12: 2: 0	92.750	7787.33		167.82
88	12:17: 0	93.000	13024.24	1238.33	
89	12:32: 0	93.250	7787.32		167.82
90	12:47: 0	93.500	13024.26	1238.36	
91	13: 2: 0	93.750	7787.34		167.82
92	13:17: 0	94.000	13024.27	1238.37	
93	13:32: 0	94.250	7787.32		167.82
94	13:47: 0	94.500	13024.29	1238.40	
95	14: 2: 0	94.750	7787.27		167.82
96	14:17: 0	95.000	13024.30	1238.41	
97	14:32: 0	95.250	7787.29		167.82
98	14:47: 0	95.500	13024.31	1238.44	
99	15: 2: 0	95.750	7787.30		167.82
100	15:17: 0	96.000	13024.32	1238.45	

DATE: 4/24/87
GAUGE SN #70059
WELL # 0
TEST # 97

DATA FILE: 6

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: RD
LOCATION: COU
COMMENTS: BHP @ 7300' GL
DWT TBG 999 psig

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	15:32: 0	96.250	7787.27		167.82
2	15:47: 0	96.500	13024.34	1238.47	
3	16: 2: 0	96.750	7787.31		167.82
4	16:17: 0	97.000	13024.35	1238.48	
5	16:32: 0	97.250	7787.35		167.82
6	16:47: 0	97.500	13024.36	1238.50	
7	17: 2: 0	97.750	7787.33		167.82
8	17:17: 0	98.000	13024.37	1238.51	
9	17:32: 0	98.250	7787.29		167.82
10	17:47: 0	98.500	13024.38	1238.53	
11	18: 2: 0	98.750	7787.40		167.83
12	18:17: 0	99.000	13024.39	1238.55	
13	18:32: 0	99.250	7787.32		167.82
14	18:47: 0	99.500	13024.40	1238.55	
15	19: 2: 0	99.750	7787.33		167.82
16	19:17: 0	100.000	13024.41	1238.57	
17	19:32: 0	100.250	7787.33		167.82
18	19:47: 0	100.500	13024.42	1238.59	
19	20: 2: 0	100.750	7787.38		167.83
20	20:17: 0	101.000	13024.43	1238.60	
21	20:32: 0	101.250	7787.29		167.82
22	20:47: 0	101.500	13024.44	1238.61	
23	21: 2: 0	101.750	7787.32		167.82
24	21:17: 0	102.000	13024.45	1238.63	
25	21:32: 0	102.250	7787.30		167.82
26	21:47: 0	102.500	13024.46	1238.65	
27	22: 2: 0	102.750	7787.36		167.82
28	22:17: 0	103.000	13024.48	1238.67	
29	22:32: 0	103.250	7787.41		167.83
30	22:47: 0	103.500	13024.48	1238.67	
31	23: 2: 0	103.750	7787.35		167.82
32	23:17: 0	104.000	13024.49	1238.69	
33	23:32: 0	104.250	7787.34		167.82
34	23:47: 0	104.500	13024.50	1238.71	
35	0: 2: 0	104.750	7787.33		167.82
36	0:17: 0	105.000	13024.51	1238.72	
37	0:32: 0	105.250	7787.36		167.83
38	0:47: 0	105.500	13024.53	1238.74	
39	1: 2: 0	105.750	7787.42		167.83
40	1:17: 0	106.000	13024.54	1238.76	
41	1:32: 0	106.250	7787.41		167.83
42	1:47: 0	106.500	13024.55	1238.77	
43	2: 2: 0	106.750	7787.34		167.82
44	2:17: 0	107.000	13024.56	1238.79	
45	2:32: 0	107.250	7787.38		167.83
46	2:47: 0	107.500	13024.57	1238.80	
47	3: 2: 0	107.750	7787.33		167.82
48	3:17: 0	108.000	13024.58	1238.82	
49	3:32: 0	108.250	7787.31		167.82
50	3:47: 0	108.500	13024.59	1238.83	

DATE: 4/25/87
GAUGE SN #70059
WELL # 0
TEST # 37

DATA FILE: 6

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7300' GL
DWT TBG 999 psig

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	4: 2: 0	108.750	7787.34		167.82
52	4:17: 0	109.000	13024.61	1238.86	
53	4:32: 0	109.250	7787.39		167.83
54	4:47: 0	109.500	13024.62	1238.86	
55	5: 2: 0	109.750	7787.37		167.83
56	5:17: 0	110.000	13024.63	1238.88	
57	5:32: 0	110.250	7787.41		167.83
58	5:47: 0	110.500	13024.64	1238.90	
59	6: 2: 0	110.750	7787.39		167.83
60	6:17: 0	111.000	13024.64	1238.90	
61	6:32: 0	111.250	7787.41		167.83
62	6:47: 0	111.500	13024.66	1238.93	
63	7: 2: 0	111.750	7787.42		167.83
64	7:17: 0	112.000	13024.67	1238.94	
65	7:32: 0	112.250	7787.41		167.83
66	7:47: 0	112.500	13024.68	1238.95	
67	8: 2: 0	112.750	7787.39		167.83
68	8:17: 0	113.000	13024.69	1238.98	
69	8:32: 0	113.250	7787.32		167.82
70	8:47: 0	113.500	13024.70	1238.99	
71	9: 2: 0	113.750	7787.37		167.83
72	9:17: 0	114.000	13024.71	1239.00	
73	9:32: 0	114.250	7787.40		167.83
74	9:47: 0	114.500	13024.72	1239.01	
75	10: 2: 0	114.750	7787.46		167.83
76	10:17: 0	115.000	13024.73	1239.03	
77	10:32: 0	115.250	7787.38		167.83
78	10:47: 0	115.500	13024.74	1239.05	
79	11: 2: 0	115.750	7787.43		167.83
80	11:17: 0	116.000	13024.75	1239.05	
81	11:32: 0	116.250	7787.39		167.83
82	11:47: 0	116.500	13024.76	1239.07	
83	12: 2: 0	116.750	7787.47		167.83
84	12:17: 0	117.000	13024.77	1239.09	
85	12:32: 0	117.250	7787.44		167.83
86	12:47: 0	117.500	13024.78	1239.10	
87	13: 2: 0	117.750	7787.47		167.83
88	13:17: 0	118.000	13024.80	1239.13	
89	13:32: 0	118.250	7787.44		167.83
90	13:47: 0	118.500	13024.80	1239.13	
91	14: 2: 0	118.750	7787.49		167.84
92	14:17: 0	119.000	13024.82	1239.15	
93	14:32: 0	119.250	7787.46		167.83
94	14:47: 0	119.500	13024.82	1239.15	
95	15: 2: 0	119.750	7787.43		167.83
96	15:17: 0	120.000	13024.83	1239.17	
97	15:32: 0	120.250	7787.47		167.83
98	15:47: 0	120.500	13024.84	1239.19	
99	16: 2: 0	120.750	7787.46		167.83
100	16:17: 0	121.000	13024.86	1239.21	

DATE: 4/25/37
GAUGE SN #70059
WELL # 0
TEST # 57

DATA FILE: 7

COMPANY: BMS
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7300' GL
DWT T86 999 psig

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	16:32: 0	121.250	7787.41		167.83
2	16:47: 0	121.500	13024.87	1239.23	
3	17: 2: 0	121.750	7787.48		167.83
4	17:17: 0	122.000	13024.88	1239.24	
5	17:32: 0	122.250	7787.48		167.84
6	17:47: 0	122.500	13024.89	1239.25	
7	18: 2: 0	122.750	7787.46		167.83
8	18:17: 0	123.000	13024.91	1239.28	
9	18:32: 0	123.250	7787.48		167.84
10	18:47: 0	123.500	13024.91	1239.29	
11	19: 2: 0	123.750	7787.51		167.84
12	19:17: 0	124.000	13024.92	1239.29	
13	19:32: 0	124.250	7787.48		167.83
14	19:47: 0	124.500	13024.93	1239.31	
15	20: 2: 0	124.750	7787.49		167.84
16	20:17: 0	125.000	13024.93	1239.32	
17	20:32: 0	125.250	7787.45		167.83
18	20:47: 0	125.500	13024.95	1239.34	
19	21: 2: 0	125.750	7787.50		167.84
20	21:17: 0	126.000	13024.95	1239.34	
21	21:32: 0	126.250	7787.49		167.84
22	21:47: 0	126.500	13024.97	1239.36	
23	22: 2: 0	126.750	7787.56		167.84
24	22:17: 0	127.000	13024.98	1239.38	
25	22:32: 0	127.250	7787.49		167.84
26	22:47: 0	127.500	13024.99	1239.40	
27	23: 2: 0	127.750	7787.47		167.83
28	23:17: 0	128.000	13024.99	1239.40	
29	23:32: 0	128.250	7787.57		167.84
30	23:47: 0	128.500	13025.00	1239.41	
31	0: 2: 0	128.750	7787.50		167.84
32	0:17: 0	129.000	13025.02	1239.44	
33	0:32: 0	129.250	7787.49		167.84
34	0:47: 0	129.500	13025.02	1239.44	
35	1: 2: 0	129.750	7787.52		167.84
36	1:17: 0	130.000	13025.04	1239.47	
37	1:32: 0	130.250	7787.52		167.84
38	1:47: 0	130.500	13025.03	1239.46	
39	2: 2: 0	130.750	7787.49		167.84
40	2:17: 0	131.000	13025.05	1239.48	
41	2:32: 0	131.250	7787.52		167.84
42	2:47: 0	131.500	13025.06	1239.49	
43	3: 2: 0	131.750	7787.51		167.84
44	3:17: 0	132.000	13025.07	1239.52	
45	3:32: 0	132.250	7787.49		167.84
46	3:47: 0	132.500	13025.08	1239.53	
47	4: 2: 0	132.750	7787.51		167.84
48	4:17: 0	133.000	13025.09	1239.54	
49	4:32: 0	133.250	7787.53		167.84
50	4:47: 0	133.500	13025.10	1239.56	

DATE: 4/26/37
GAUGE SN #70259
WELL # 0
TEST # 37

COMPANY: SMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7300' GL
DWT TSG 999 psig

DATA FILE: 7

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	5: 2: 0	133.750	7787.52		167.84
52	5:17: 0	134.000	13025.11	1239.56	
53	5:32: 0	134.250	7787.57		167.84
54	5:47: 0	134.500	13025.12	1239.58	
55	6: 2: 0	134.750	7787.56		167.84
56	6:17: 0	135.000	13025.13	1239.60	
57	6:32: 0	135.250	7787.47		167.83
58	6:47: 0	135.500	13025.15	1239.62	
59	7: 2: 0	135.750	7787.51		167.84
60	7:17: 0	136.000	13025.15	1239.63	
61	7:32: 0	136.250	7787.57		167.84
62	7:47: 0	136.500	13025.16	1239.64	
63	8: 2: 0	136.750	7787.53		167.84
64	8:17: 0	137.000	13025.17	1239.65	
65	8:32: 0	137.250	7787.51		167.84
66	8:47: 0	137.500	13025.18	1239.67	
67	9: 2: 0	137.750	7787.52		167.84
68	9:17: 0	138.000	13025.18	1239.68	
69	9:32: 0	138.250	7787.56		167.84
70	9:47: 0	138.500	13025.20	1239.69	
71	10: 2: 0	138.750	7787.54		167.84
72	10:17: 0	139.000	13025.20	1239.70	
73	10:32: 0	139.250	7787.54		167.84
74	10:47: 0	139.500	13025.22	1239.72	
75	11: 2: 0	139.750	7787.56		167.84
76	11:17: 0	140.000	13025.22	1239.72	
77	11:32: 0	140.250	7787.55		167.84
78	11:47: 0	140.500	13025.23	1239.75	
79	12: 2: 0	140.750	7787.51		167.84
80	12:17: 0	141.000	13025.24	1239.75	
81	12:32: 0	141.250	7787.56		167.84
82	12:47: 0	141.500	13025.25	1239.77	
83	13: 2: 0	141.750	7787.59		167.84
84	13:17: 0	142.000	13025.26	1239.79	
85	13:32: 0	142.250	7787.51		167.84
86	13:47: 0	142.500	13025.27	1239.80	
87	14: 2: 0	142.750	7787.52		167.84
88	14:17: 0	143.000	13025.28	1239.81	
89	14:32: 0	143.250	7787.57		167.84
90	14:47: 0	143.500	13025.29	1239.83	
91	15: 2: 0	143.750	7787.56		167.84
92	15:17: 0	144.000	13025.30	1239.83	
93	15:32: 0	144.250	7787.55		167.84
94	15:47: 0	144.500	13025.31	1239.85	
95	16: 2: 0	144.750	7787.57		167.84
96	16:17: 0	145.000	13025.32	1239.86	
97	16:32: 0	145.250	7787.55		167.84
98	16:47: 0	145.500	13025.33	1239.88	
99	17: 2: 0	145.750	7787.58		167.84
100	17:17: 0	146.000	13025.34	1239.90	

DATE: 4/26/87
GAUGE SN #70059
WELL # 0
TEST # 37

DATA FILE: 8

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7300' GL
DWT TBG 999 psig

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	17:32: 0	146.250	7787.58		167.84
2	17:47: 0	146.500	13025.35	1239.90	
3	18: 2: 0	146.750	7787.55		167.84
4	18:17: 0	147.000	13025.36	1239.92	
5	18:32: 0	147.250	7787.54		167.84
6	18:47: 0	147.500	13025.37	1239.94	
7	19: 2: 0	147.750	7787.57		167.84
8	19:17: 0	148.000	13025.37	1239.94	
9	19:32: 0	148.250	7787.56		167.84
10	19:47: 0	148.500	13025.39	1239.96	
11	20: 2: 0	148.750	7787.56		167.84
12	20:17: 0	149.000	13025.40	1239.98	
13	20:32: 0	149.250	7787.60		167.84
14	20:47: 0	149.500	13025.41	1239.99	
15	21: 2: 0	149.750	7787.59		167.84
16	21:17: 0	150.000	13025.41	1239.99	
17	21:32: 0	150.250	7787.64		167.85
18	21:47: 0	150.500	13025.42	1240.01	
19	22: 2: 0	150.750	7787.57		167.84
20	22:17: 0	151.000	13025.42	1240.02	
21	22:32: 0	151.250	7787.58		167.84
22	22:47: 0	151.500	13025.44	1240.03	
23	23: 2: 0	151.750	7787.59		167.84
24	23:17: 0	152.000	13025.44	1240.03	
25	23:32: 0	152.250	7787.59		167.84
26	23:47: 0	152.500	13025.44	1240.04	
27	0: 2: 0	152.750	7787.59		167.84
28	0:17: 0	153.000	13025.46	1240.06	
29	0:32: 0	153.250	7787.60		167.84
30	0:47: 0	153.500	13025.46	1240.07	
31	1: 2: 0	153.750	7787.61		167.85
32	1:17: 0	154.000	13025.47	1240.09	
33	1:32: 0	154.250	7787.57		167.84
34	1:47: 0	154.500	13025.47	1240.09	
35	2: 2: 0	154.750	7787.59		167.84
36	2:17: 0	155.000	13025.49	1240.11	
37	2:32: 0	155.250	7787.57		167.84
38	2:47: 0	155.500	13025.50	1240.12	
39	3: 2: 0	155.750	7787.61		167.85
40	3:17: 0	156.000	13025.51	1240.14	
41	3:32: 0	156.250	7787.65		167.85
42	3:47: 0	156.500	13025.52	1240.15	
43	4: 2: 0	156.750	7787.63		167.85
44	4:17: 0	157.000	13025.52	1240.16	
45	4:32: 0	157.250	7787.61		167.85
46	4:47: 0	157.500	13025.54	1240.17	
47	5: 2: 0	157.750	7787.57		167.84
48	5:17: 0	158.000	13025.55	1240.20	
49	5:32: 0	158.250	7787.55		167.84
50	5:47: 0	158.500	21811.42		4332.46

C

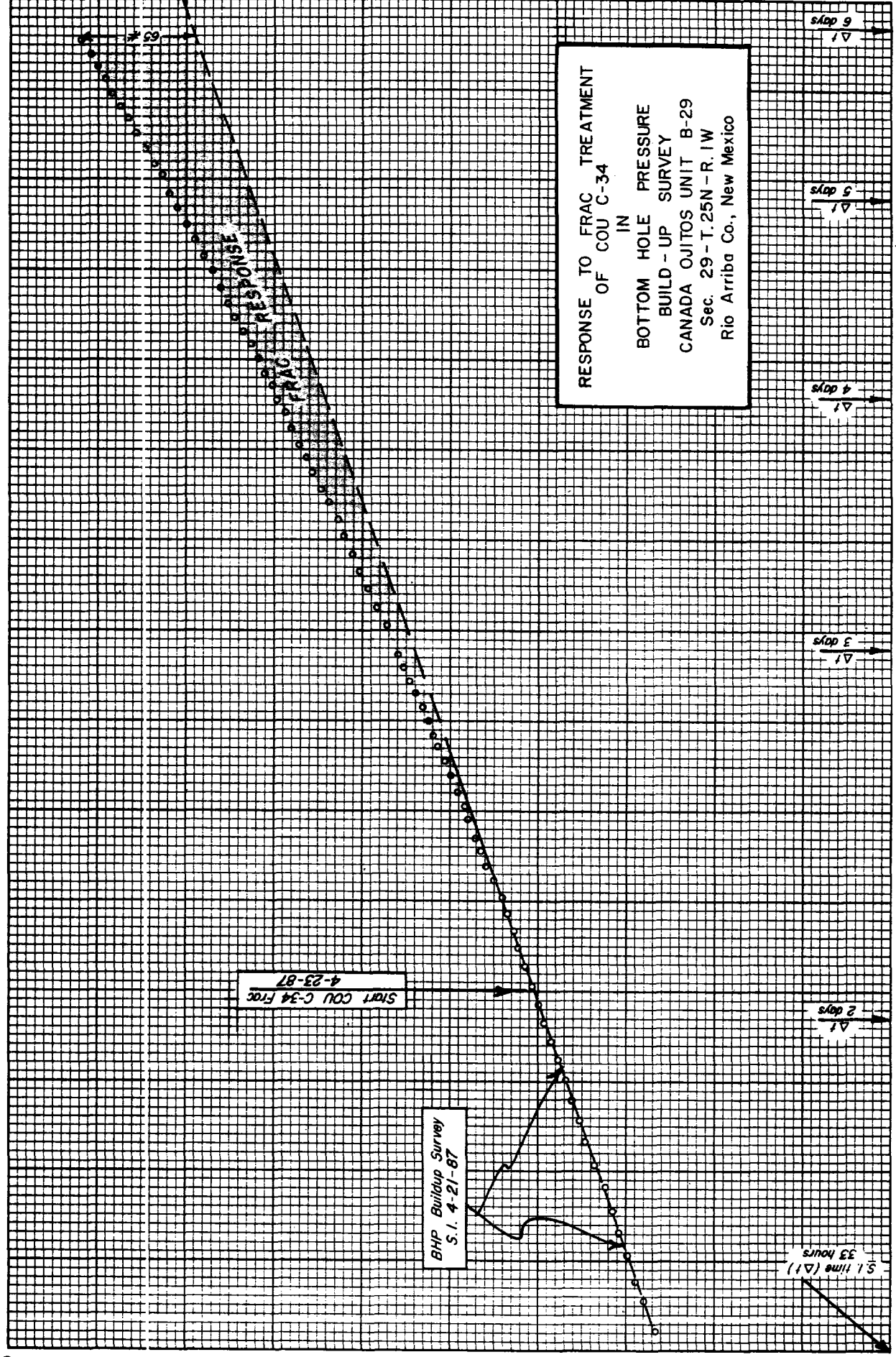
EVIDENCE OF COMMUNICATION
CANADA OJITOS UNIT C-34 FRAC TREATMENT
APRIL 23, 1987

As set out in the previous section, communication from the COU C-34 frac treatment of April 23, 1987 was observed in both the COU B-32 and COU B-29 wells (reference Section B, pages 1 and 2). Set out in this Section C are data for the B-29 well.

Also as noted with respect to the data for the B-32 well, all wells in Township 25 North, Range 1 West were shut in for this test.

1209
1208
1207
1206
1205
1204

PSIA — 6200' (G.L.) AT



CANADA OUTIOS UNIT B-29
RESPONSE TO FRAC TREATMENT
OF CANADA OUTIOS UNIT C-34
APRIL 23, 1987 (START PUMPING 11:00 AM)

B-29 SHUT IN AT 9:30 AM APRIL 21, 1987
 BOMB CLOCK TIME STARTS AT 15.19 HOURS ON APRIL 20, 1987
 18.18 HOURS TO SUBTRACT FROM BOMB TIME TO DETERMINE Δt
 INSTRUMENT: GRC ELEMENT NO. 69160 SET AT 6200' GL

<u>Pressure</u> (Psla) (1)	<u>Bomb Time</u> (Hours) (2)	<u>Δt</u> (Hours) (3)	<u>$\ln \Delta t$</u> (4)	<u>Pressure</u> (Psla) (5)	<u>Bomb Time</u> (Hours) (6)	<u>Δt</u> (Hours) (7)	<u>$\ln \Delta t$</u> (8)
1205.27	51.00	32.82	3.491	1206.32	76.00	57.82	4.057
1205.34	52.00	33.82	3.521	1206.36	77.00	58.82	4.061
1205.41	53.00	34.82	3.550	1206.39	78.00	59.82	4.091
1205.45	54.00	35.82	3.579	1206.42	79.00	60.82	4.108
1205.50	55.00	36.82	3.606	1206.45	80.00	61.82	4.124
1205.54	56.00	37.82	3.633	1206.49	81.00	62.82	4.140
1205.57	57.00	38.82	3.659	1206.52	82.00	63.82	4.156
1205.63	58.00	39.82	3.684	1206.55	83.00	64.82	4.172
1205.68	59.00	40.82	3.709	1206.59	84.00	65.82	4.187
1205.72	60.00	41.82	3.733	1206.62	85.00	66.82	4.202
1205.76	61.00	42.82	3.757	1206.66	86.00	67.82	4.217
1205.81	62.00	43.82	3.780	1206.69	87.00	68.82	4.231
1205.84	63.00	44.82	3.803	1206.72	88.00	69.82	4.246
1205.88	64.00	45.82	3.825	1206.76	89.00	70.82	4.260
1205.96	65.00	46.82	3.846	1206.79	90.00	71.82	4.274
1205.96	66.00	47.82	3.867	1206.86	92.50	74.32	4.308
1205.99	67.00	48.82	3.888	1206.91	94.00	75.82	4.328
Start frac	67.75	49.57	3.903	1206.96	95.50	77.32	4.348
1206.03	68.00	49.82	3.908	1207.01	97.00	78.82	4.367
1206.07	69.00	50.82	3.928	1207.04	98.50	80.32	4.386
1206.11	70.00	51.82	3.948	1207.10	100.00	81.82	4.405
1206.14	71.00	52.82	3.967	1207.14	101.50	83.32	4.423
1206.18	72.00	53.82	3.986	1207.18	103.00	84.82	4.441
1206.21	73.00	54.82	4.004	1207.22	104.50	86.32	4.458
1206.26	74.00	55.82	4.022	1207.27	106.00	57.82	4.475
1206.30	75.00	56.82	4.040	1207.31	107.50	89.32	4.492

CANADA OJITOS UNIT B-29
RESPONSE TO FRAC TREATMENT
OF CANADA OJITOS UNIT C-34

PAGE 2

<u>Pressure</u> (Psla) (1)	<u>Bomb</u> <u>Time</u> (Hours) (2)	<u>Δt</u> (Hours) (3)	<u>ln Δt</u> (4)	<u>Pressure</u> (Psla) (5)	<u>Bomb</u> <u>Time</u> (Hours) (6)	<u>Δt</u> (Hours) (7)	<u>ln Δt</u> (8)
1207.36	109.00	90.82	4.509	1208.01	134.00	115.82	4.752
1207.40	110.50	92.32	4.525	1208.06	136.00	117.82	4.769
1207.43	112.00	93.82	4.541	1208.10	138.00	119.82	4.786
1207.47	113.50	95.32	4.557	1208.14	140.00	121.82	4.803
1207.51	115.00	96.82	4.573	1208.19	142.00	123.82	4.819
1207.55	116.50	98.32	4.588	1208.24	144.00	125.82	4.835
1207.59	118.00	99.82	4.603	1208.29	146.00	127.82	4.851
1207.63	119.50	101.32	4.618	1208.33	148.00	129.82	4.866
1207.68	121.00	102.82	4.633	1208.38	150.00	131.82	4.881
1207.72	122.50	104.32	4.647	1208.42	152.00	133.82	4.896
1207.76	124.00	105.82	4.662	1208.47	154.00	135.82	4.911
1207.81	126.00	107.82	4.680	1208.51	156.00	137.82	4.926
1207.85	128.00	109.82	4.699	1208.55	158.00	139.82	4.940
1207.90	130.00	111.82	4.717	1208.60	160.00	141.82	4.955
1207.95	132.00	113.82	4.735				

DATE: 4/20/87
GAUGE SN #69160
WELL # 0
TEST # 98

DATA FILE: 1

COMPANY: BMG
CLIENT:
WELL NAME: B-29
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 6200' GL
DWT T86 549 psig

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	16:19: 0	0.000	6742.50		80.90
2	17:19: 0	1.000	10603.35	17.57	
3	18:19: 0	2.000	6734.55		80.26
4	19:19: 0	3.000	10604.37	18.43	
5	20:19: 0	4.000	6627.36		71.63
6	21:19: 0	5.000	10607.52	19.66	
7	22:19: 0	6.000	6468.85		58.90
8	23:19: 0	7.000	10609.58	18.95	
9	0:19: 0	8.000	6477.41		59.58
10	1:19: 0	9.000	10609.17	18.70	
11	2:19: 0	10.000	6483.53		60.08
12	3:19: 0	11.000	10609.30	18.93	
13	4:19: 0	12.000	6475.94		59.47
14	5:19: 0	13.000	10609.42	18.92	
15	6:19: 0	14.000	6472.84		59.22
16	6:52: 0	14.550	6438.24		56.44
17	6:55: 0	14.600	10610.22	19.05	
18	6:58: 0	14.650	6405.46		53.81
19	7: 1: 0	14.700	10611.00	19.26	
20	7: 4: 0	14.750	6383.13		52.02
21	7: 7: 0	14.800	10611.81	19.57	
22	7:10: 0	14.850	6367.19		50.74
23	7:13: 0	14.900	10612.41	19.97	
24	7:16: 0	14.950	6354.52		49.73
25	7:19: 0	15.000	10612.91	20.25	
26	7:22: 0	15.050	6344.53		48.93
27	7:25: 0	15.100	10613.34	20.49	
28	7:28: 0	15.150	6336.46		48.28
29	7:31: 0	15.200	10613.62	20.63	
30	7:34: 0	15.250	6327.83		47.59
31	7:37: 0	15.300	10614.01	20.86	
32	7:40: 0	15.350	6319.11		46.89
33	7:43: 0	15.400	10614.15	20.85	
34	7:46: 0	15.450	6312.20		46.34
35	7:49: 0	15.500	10614.35	20.93	
36	7:52: 0	15.550	6306.93		45.91
37	7:55: 0	15.600	10614.26	20.76	
38	7:58: 0	15.650	6301.31		45.46
39	8: 1: 0	15.700	10614.43	20.82	
40	8: 4: 0	15.750	6299.21		45.30
41	8: 7: 0	15.800	10613.98	20.34	
42	8:10: 0	15.850	6300.80		45.42
43	8:13: 0	15.900	10613.58	19.98	
44	8:16: 0	15.950	6303.28		45.62
45	8:19: 0	16.000	10613.35	19.80	
46	8:22: 0	16.050	6304.92		45.75
47	8:25: 0	16.100	10613.39	19.87	
48	8:28: 0	16.150	6305.25		45.78
49	8:31: 0	16.200	10613.38	19.86	
50	8:34: 0	16.250	6305.16		45.77

DATE: 4/21/37
GAUGE SN #69160
WELL # 0
TEST # 50

COMPANY: SMG
CLIENT:
WELL NAME: B-29
TEST OPERATOR: md
LOCATION: COU
COMMENTS: BHP @ 5200' GL
DWT TBG 549 psig

DATA FILE: 1

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	8:37: 0	16.300	10613.39	19.87	
52	8:40: 0	16.350	6305.19		45.78
53	8:43: 0	16.400	10613.38	19.86	
54	8:46: 0	16.450	6304.40		45.71
55	8:49: 0	16.500	10613.42	19.89	
56	8:52: 0	16.550	6303.55		45.64
57	8:55: 0	16.600	10613.45	19.90	
58	8:58: 0	16.650	6303.10		45.61
59	9: 1: 0	16.700	10613.44	19.89	
60	9: 4: 0	16.750	6303.13		45.61
61	9: 7: 0	16.800	10613.42	19.86	
62	9:10: 0	16.850	6302.75		45.58
63	9:13: 0	16.900	10613.42	19.85	
64	9:16: 0	16.950	6303.04		45.60
65	9:19: 0	17.000	10613.43	19.87	
66	9:22: 0	17.050	6304.51		45.72
67	9:25: 0	17.100	10613.16	19.63	
68	9:28: 0	17.150	6307.22		45.94
69	9:31: 0	17.200	10613.07	19.59	
70	9:34: 0	17.250	6309.24		46.10
71	9:37: 0	17.300	10612.98	19.54	
72	9:40: 0	17.350	6313.44		46.44
73	9:43: 0	17.400	10612.42	19.06	
74	9:46: 0	17.450	6325.23		47.38
75	9:49: 0	17.500	10612.20	19.05	
76	9:52: 0	17.550	6415.26		54.60
77	9:55: 0	17.600	11222.11	662.12	
78	9:58: 0	17.650	6482.61		60.00
79	10: 1: 0	17.700	11227.97	669.64	
80	10: 4: 0	17.750	6484.22		60.13
81	10: 7: 0	17.800	11235.83	678.54	
82	10:10: 0	17.850	6488.23		60.45
83	10:13: 0	17.900	11249.75	694.33	
84	10:16: 0	17.950	6792.62		84.93
85	10:19: 0	18.000	11322.14	780.99	
86	10:22: 0	18.050	7111.07		110.65
87	10:25: 0	18.100	11382.05	854.50	
88	10:28: 0	18.150	7410.78		134.94
89	10:31: 0	18.200	11534.43	1038.55	
90	10:34: 0	18.250	7654.04		154.72
91	10:37: 0	18.300	11602.94	1124.81	
92	10:40: 0	18.350	7660.77		155.27
93	10:43: 0	18.400	11601.21	1122.82	
94	10:46: 0	18.450	7659.44		155.16
95	10:49: 0	18.500	11599.22	1120.39	
96	10:52: 0	18.550	7657.55		155.01
97	10:55: 0	18.600	11596.22	1116.69	
98	10:58: 0	18.650	7655.80		154.87
99	11: 1: 0	18.700	11595.62	1115.93	
100	11: 4: 0	18.750	7655.37		154.83

DATE: 4/21/97
GAUGE SN #65160
WELL # 0
TEST # 56

COMPANY: BMG
CLIENT:
WELL NAME: B-23
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 6200' GL
DWT TBG 649 psig

DATA FILE: 2

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	11: 7: 0	18.800	11597.34	1118.02	
2	11:10: 0	18.850	7654.98		154.80
3	11:13: 0	18.900	11599.10	1120.15	
4	11:16: 0	18.950	7654.58		154.77
5	11:19: 0	19.000	11600.95	1122.40	
6	11:22: 0	19.050	7654.82		154.79
7	11:25: 0	19.100	11602.74	1124.58	
8	11:28: 0	19.150	7654.02		154.72
9	11:31: 0	19.200	11604.42	1126.61	
10	11:34: 0	19.250	7653.39		154.67
11	11:37: 0	19.300	11605.97	1128.49	
12	11:40: 0	19.350	7652.71		154.62
13	11:43: 0	19.400	11607.35	1130.16	
14	11:46: 0	19.450	7652.05		154.56
15	11:49: 0	19.500	11608.47	1131.52	
16	11:52: 0	19.550	7650.11		154.40
17	11:55: 0	19.600	11605.31	1127.63	
18	11:58: 0	19.650	7647.80		154.22
19	12: 1: 0	19.700	11601.80	1123.31	
20	12: 4: 0	19.750	7646.03		154.07
21	12: 7: 0	19.800	11600.36	1121.53	
22	12:10: 0	19.850	7645.65		154.04
23	12:13: 0	19.900	11601.98	1122.39	
24	12:16: 0	19.950	7645.28		154.01
25	12:19: 0	20.000	11602.12	1123.65	
26	12:22: 0	20.050	7645.10		154.00
27	12:25: 0	20.100	11603.49	1125.32	
28	12:28: 0	20.150	7644.82		153.97
29	12:31: 0	20.200	11604.96	1127.10	
30	12:34: 0	20.250	7644.36		153.94
31	12:37: 0	20.300	11606.74	1129.26	
32	12:40: 0	20.350	7643.72		153.88
33	12:43: 0	20.400	11608.11	1130.93	
34	12:46: 0	20.450	7643.35		153.85
35	12:49: 0	20.500	11609.22	1132.27	
36	12:52: 0	20.550	7642.50		153.78
37	12:55: 0	20.600	11607.73	1130.44	
38	12:58: 0	20.650	7640.09		153.59
39	13: 1: 0	20.700	11608.38	1128.74	
40	13: 4: 0	20.750	7639.10		153.51
41	13: 7: 0	20.800	11602.70	1124.24	
42	13:10: 0	20.850	7637.46		153.37
43	13:13: 0	20.900	11598.98	1119.68	
44	13:16: 0	20.950	7636.11		153.26
45	13:19: 0	21.000	11595.81	1115.80	
46	13:22: 0	21.050	7635.15		153.19
47	13:25: 0	21.100	11595.57	1115.49	
48	13:28: 0	21.150	7635.32		153.20
49	13:31: 0	21.200	11596.55	1116.68	
50	13:34: 0	21.250	7635.43		153.21

DATE: 4/21/87
GAUGE SN #69180
WELL # 0
TEST # 56

COMPANY: BMG
CLIENT:
WELL NAME: B-29
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 6200' GL
DWT TBG 549 psig

DATA FILE: 2

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	13:37: 0	21.300	11597.92	1118.36	
52	13:40: 0	21.350	7635.55		153.22
53	13:43: 0	21.400	11600.01	1120.91	
54	13:46: 0	21.450	7635.40		153.21
55	13:49: 0	21.500	11601.47	1122.68	
56	13:52: 0	21.550	7635.36		153.20
57	13:55: 0	21.600	11602.76	1124.25	
58	13:58: 0	21.650	7635.07		153.18
59	14: 1: 0	21.700	11603.97	1125.71	
60	14: 4: 0	21.750	7634.72		153.15
61	14: 7: 0	21.800	11604.58	1126.45	
62	14:10: 0	21.850	7633.28		153.03
63	14:13: 0	21.900	11604.09	1125.83	
64	14:16: 0	21.950	7632.62		152.98
65	14:19: 0	22.000	11600.99	1122.05	
66	14:22: 0	22.050	7630.60		152.82
67	14:25: 0	22.100	11600.41	1121.30	
68	14:28: 0	22.150	7630.45		152.80
69	14:31: 0	22.200	11598.30	1118.73	
70	14:34: 0	22.250	7628.67		152.66
71	14:37: 0	22.300	11595.98	1115.88	
72	14:40: 0	22.350	7628.43		152.64
73	14:43: 0	22.400	11596.70	1116.74	
74	14:46: 0	22.450	7628.38		152.63
75	14:49: 0	22.500	11597.60	1117.84	
76	14:52: 0	22.550	7628.33		152.63
77	14:55: 0	22.600	11598.25	1118.63	
78	14:58: 0	22.650	7628.15		152.62
79	15: 1: 0	22.700	11599.96	1120.71	
80	15: 4: 0	22.750	7628.11		152.61
81	15: 7: 0	22.800	11601.05	1122.03	
82	15:10: 0	22.850	7627.86		152.59
83	15:13: 0	22.900	11601.99	1123.17	
84	15:16: 0	22.950	7627.63		152.57
85	15:19: 0	23.000	11602.84	1124.21	
86	15:22: 0	23.050	7627.40		152.55
87	15:25: 0	23.100	11603.68	1125.22	
88	15:28: 0	23.150	7627.09		152.53
89	15:31: 0	23.200	11604.48	1126.19	
90	15:34: 0	23.250	7626.82		152.51
91	15:37: 0	23.300	11605.64	1127.50	
92	15:40: 0	23.350	7626.59		152.49
93	15:43: 0	23.400	11604.40	1126.08	
94	15:46: 0	23.450	7624.37		152.31
95	15:49: 0	23.500	11600.21	1120.94	
96	15:52: 0	23.550	7622.96		152.19
97	15:55: 0	23.600	11596.40	1116.28	
98	15:58: 0	23.650	7621.79		152.10
99	16: 1: 0	23.700	11592.02	1110.93	
100	16: 4: 0	23.750	7620.76		152.01

DATE: 4/21/87
GAUGE SN #89160
WELL # 0
TEST # 38

DATA FILE: 3

COMPANY: BMG
CLIENT:
WELL NAME: B-29
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 6200' GL
DWT TBG 649 psig

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	16: 7: 0	23.800	11588.43	1106.56	
2	16:10: 0	23.850	7619.86		151.94
3	16:13: 0	23.900	11583.94	1101.09	
4	16:16: 0	23.950	7619.19		151.89
5	16:19: 0	24.000	11583.72	1100.81	
5	16:22: 0	24.050	7620.16		151.97
7	16:25: 0	24.100	11585.41	1102.88	
8	16:29: 0	24.150	7621.03		152.04
9	16:31: 0	24.200	11586.78	1104.55	
10	16:34: 0	24.250	7621.86		152.10
11	16:37: 0	24.300	11588.24	1106.35	
12	16:40: 0	24.350	7622.38		152.15
13	16:43: 0	24.400	11589.61	1108.02	
14	16:46: 0	24.450	7622.75		152.18
15	16:49: 0	24.500	11590.90	1109.59	
16	17: 4: 0	24.750	7622.87		152.19
17	17:19: 0	25.000	11593.06	1112.21	
18	17:34: 0	25.250	7618.23		151.81
19	17:49: 0	25.500	11579.94	1096.20	
20	18: 4: 0	25.750	7617.52		151.75
21	18:19: 0	26.000	11576.30	1091.78	
22	18:34: 0	26.250	7620.99		152.03
23	18:49: 0	26.500	11581.43	1098.07	
24	19: 4: 0	26.750	7622.47		152.15
25	19:19: 0	27.000	11593.53	1112.78	
26	19:34: 0	27.250	7623.02		152.20
27	19:49: 0	27.500	11605.40	1127.24	
28	20: 4: 0	27.750	7622.24		152.13
29	20:19: 0	28.000	11609.75	1132.53	
30	20:34: 0	28.250	7621.88		152.11
31	20:49: 0	28.500	11613.46	1137.05	
32	21: 4: 0	28.750	7620.51		151.99
33	21:19: 0	29.000	11617.05	1141.41	
34	21:34: 0	29.250	7619.86		151.94
35	21:49: 0	29.500	11620.52	1145.65	
36	22: 4: 0	29.750	7619.33		151.90
37	22:19: 0	30.000	11623.85	1149.71	
38	22:34: 0	30.250	7618.82		151.86
39	22:49: 0	30.500	11627.04	1153.60	
40	23: 4: 0	30.750	7618.29		151.81
41	23:19: 0	31.000	11630.11	1157.36	
42	23:34: 0	31.250	7617.79		151.77
43	23:49: 0	31.500	11633.07	1160.98	
44	0: 4: 0	31.750	7617.31		151.73
45	0:19: 0	32.000	11635.92	1164.45	
46	0:34: 0	32.250	7616.81		151.69
47	0:49: 0	32.500	11638.63	1167.78	
48	1: 4: 0	32.750	7616.30		151.65
49	1:19: 0	33.000	11641.22	1170.95	
50	1:34: 0	33.250	7615.78		151.61

DATE: 4/22/87
GAUGE SN #59 60
WELL # 0
TEST # 50

DATA FILE: 3

COMPANY: BMG
CLIENT:
WELL NAME: B-29
TEST OPERATOR: RD
LOCATION: COU
COMMENTS: BHP @ 6200' GL
DWT TBG 649 psig

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	1:49: 0	33.500	11643.66	1173.94	
52	2: 4: 0	33.750	7615.45		151.58
53	2:19: 0	34.000	11645.97	1176.77	
54	2:34: 0	34.250	7615.04		151.55
55	2:49: 0	34.500	11648.18	1179.48	
56	3: 4: 0	34.750	7614.60		151.51
57	3:19: 0	35.000	11650.31	1182.09	
58	3:34: 0	35.250	7614.13		151.47
59	3:49: 0	35.500	11652.32	1184.56	
60	4: 4: 0	35.750	7613.67		151.44
61	4:19: 0	36.000	11654.19	1186.85	
62	4:34: 0	36.250	7613.15		151.39
63	4:49: 0	36.500	11655.93	1189.00	
64	5: 4: 0	36.750	7612.58		151.35
65	5:19: 0	37.000	11657.58	1191.01	
66	5:34: 0	37.250	7612.65		151.35
67	5:49: 0	37.500	11659.10	1192.89	
68	6: 4: 0	37.750	7612.05		151.30
69	6:19: 0	38.000	11660.52	1194.63	
70	6:34: 0	38.250	7611.19		151.24
71	6:49: 0	38.500	11661.82	1196.23	
72	7: 4: 0	38.750	7610.31		151.16
73	7:19: 0	39.000	11663.06	1197.74	
74	7:34: 0	39.250	7609.66		151.11
75	7:49: 0	39.500	11664.17	1199.09	
76	8: 4: 0	39.750	7609.37		151.09
77	8:19: 0	40.000	11665.12	1200.27	
78	8:34: 0	40.250	7609.34		151.08
79	8:49: 0	40.500	11665.95	1201.29	
80	9: 4: 0	40.750	7609.21		151.07
81	9:19: 0	41.000	11666.67	1202.17	
82	9:34: 0	41.250	7609.05		151.06
83	9:49: 0	41.500	11667.28	1202.92	
84	10: 4: 0	41.750	7608.87		151.05
85	10:19: 0	42.000	11667.80	1203.57	
86	10:34: 0	42.250	7608.70		151.03
87	10:49: 0	42.500	11668.21	1204.07	
88	11: 4: 0	42.750	7608.52		151.02
89	11:19: 0	43.000	11668.52	1204.45	
90	11:34: 0	43.250	7608.31		151.00
91	11:49: 0	43.500	11668.74	1204.72	
92	12: 4: 0	43.750	7608.06		150.98
93	12:19: 0	44.000	11668.89	1204.90	
94	12:34: 0	44.250	7607.82		150.96
95	12:49: 0	44.500	11668.96	1204.98	
96	13: 4: 0	44.750	7607.63		150.95
97	13:19: 0	45.000	11669.00	1205.03	
98	13:34: 0	45.250	7607.33		150.92
99	13:49: 0	45.500	11669.03	1205.06	
100	14: 4: 0	45.750	7607.15		150.91

DATE: 4/22/37
GAUGE SN #69160
WELL # 0
TEST # 38

DATA FILE: 4

COMPANY: BMG
CLIENT:
WELL NAME: 8-29
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 6200' GL
DWT TBG 649 psig

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	14:19: 0	46.000	11669.05	1205.08	
2	14:34: 0	46.250	7606.91		150.89
3	14:49: 0	46.500	11669.07	1205.10	
4	15: 4: 0	46.750	7606.71		150.87
5	15:19: 0	47.000	11669.10	1205.13	
6	15:34: 0	47.250	7606.47		150.85
7	15:49: 0	47.500	11669.14	1205.17	
8	16: 4: 0	47.750	7606.25		150.83
9	16:19: 0	48.000	11669.15	1205.19	
10	16:34: 0	48.250	7606.05		150.82
11	16:49: 0	48.500	11669.17	1205.21	
12	17: 4: 0	48.750	7605.82		150.80
13	17:19: 0	49.000	11669.19	1205.23	
14	17:34: 0	49.250	7605.61		150.78
15	17:49: 0	49.500	11669.21	1205.25	
16	18: 4: 0	49.750	7605.38		150.76
17	18:19: 0	50.000	11669.23	1205.27	
18	18:34: 0	50.250	7605.18		150.75
19	18:49: 0	50.500	11669.27	1205.32	
20	19: 4: 0	50.750	7604.96		150.73
21	19:19: 0	51.000	11669.29	1205.34	
22	19:34: 0	51.250	7604.75		150.71
23	19:49: 0	51.500	11669.32	1205.37	
24	20: 4: 0	51.750	7604.53		150.69
25	20:19: 0	52.000	11669.35	1205.41	
26	20:34: 0	52.250	7604.30		150.67
27	20:49: 0	52.500	11669.36	1205.42	
28	21: 4: 0	52.750	7604.15		150.66
29	21:19: 0	53.000	11669.39	1205.45	
30	21:34: 0	53.250	7603.93		150.64
31	21:49: 0	53.500	11669.42	1205.48	
32	22: 4: 0	53.750	7603.76		150.63
33	22:19: 0	54.000	11669.44	1205.50	
34	22:34: 0	54.250	7603.58		150.62
35	22:49: 0	54.500	11669.46	1205.52	
36	23: 4: 0	54.750	7603.39		150.60
37	23:19: 0	55.000	11669.48	1205.54	
38	23:34: 0	55.250	7603.19		150.58
39	23:49: 0	55.500	11669.50	1205.56	
40	0: 4: 0	55.750	7603.01		150.57
41	0:19: 0	56.000	11669.51	1205.57	
42	0:34: 0	56.250	7602.87		150.56
43	0:49: 0	56.500	11669.54	1205.60	
44	1: 4: 0	56.750	7602.68		150.54
45	1:19: 0	57.000	11669.56	1205.63	
46	1:34: 0	57.250	7602.54		150.53
47	1:49: 0	57.500	11669.58	1205.65	
48	2: 4: 0	57.750	7602.37		150.52
49	2:19: 0	58.000	11669.60	1205.68	
50	2:34: 0	58.250	7602.19		150.50

DATE: 4/23/37
GAUGE SN #69160
WELL # 0
TEST # 58

COMPANY: BMG
CLIENT:
WELL NAME: 8-29
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 6200' GL
DWT T86 649 psig

DATA FILE: 4

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	2:49: 0	58.500	11669.62	1205.69	
52	3: 4: 0	58.750	7602.08		150.49
53	3:19: 0	59.000	11669.64	1205.72	
54	3:34: 0	59.250	7601.88		150.48
55	3:49: 0	59.500	11669.66	1205.74	
56	4: 4: 0	59.750	7601.71		150.46
57	4:19: 0	60.000	11669.68	1205.76	
58	4:34: 0	60.250	7601.62		150.46
59	4:49: 0	60.500	11669.70	1205.78	
60	5: 4: 0	60.750	7601.46		150.44
61	5:19: 0	61.000	11669.72	1205.81	
62	5:34: 0	61.250	7601.29		150.43
63	5:49: 0	61.500	11669.74	1205.82	
64	6: 4: 0	61.750	7601.13		150.42
65	6:19: 0	62.000	11669.75	1205.84	
66	6:34: 0	62.250	7600.99		150.40
67	6:49: 0	62.500	11669.77	1205.86	
68	7: 4: 0	62.750	7600.86		150.39
69	7:19: 0	63.000	11669.79	1205.88	
70	7:34: 0	63.250	7600.74		150.38
71	7:49: 0	63.500	11669.80	1205.90	
72	8: 4: 0	63.750	7600.60		150.37
73	8:19: 0	64.000	11669.83	1205.92	
74	8:34: 0	64.250	7600.43		150.36
75	8:49: 0	64.500	11669.84	1205.94	
76	9: 4: 0	64.750	7600.29		150.35
77	9:19: 0	65.000	11669.86	1205.96	
78	9:34: 0	65.250	7600.12		150.33
79	9:49: 0	65.500	11669.88	1205.97	
80	10: 4: 0	65.750	7600.01		150.33
81	10:19: 0	66.000	11669.89	1205.99	
82	10:34: 0	66.250	7599.88		150.31
83	10:49: 0	66.500	11669.91	1206.01	
84	11: 4: 0	66.750	7599.75		150.30
85	11:19: 0	67.000	11669.93	1206.03	
86	11:34: 0	67.250	7599.57		150.29
87	11:49: 0	67.500	11669.94	1206.05	
88	12: 4: 0	67.750	7599.48		150.28
89	12:19: 0	68.000	11669.97	1206.07	
90	12:34: 0	68.250	7599.32		150.27
91	12:49: 0	68.500	11669.98	1206.08	
92	13: 4: 0	68.750	7599.26		150.26
93	13:19: 0	69.000	11670.00	1206.11	
94	13:34: 0	69.250	7599.11		150.25
95	13:49: 0	69.500	11670.01	1206.12	
96	14: 4: 0	69.750	7598.99		150.24
97	14:19: 0	70.000	11670.03	1206.14	
98	14:34: 0	70.250	7598.85		150.23
99	14:49: 0	70.500	11670.05	1206.17	
100	15: 4: 0	70.750	7598.71		150.22

DATE: 4/23/37
GAUGE SN #69160
WELL # 0
TEST # 30

COMPANY: BMG
CLIENT:
WELL NAME: B-29
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 6200' GL
DWT T86 649 psig

DATA FILE: 5

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	15:19: 0	71.000	11670.07	1206.18	
2	15:34: 0	71.250	7598.60		150.21
3	15:49: 0	71.500	11670.08	1206.20	
4	16: 4: 0	71.750	7598.46		150.20
5	16:19: 0	72.000	11670.09	1206.21	
6	16:34: 0	72.250	7598.35		150.19
7	16:49: 0	72.500	11670.11	1206.23	
8	17: 4: 0	72.750	7598.23		150.18
9	17:19: 0	73.000	11670.13	1206.26	
10	17:34: 0	73.250	7598.12		150.17
11	17:49: 0	73.500	11670.15	1206.27	
12	18: 4: 0	73.750	7598.00		150.16
13	18:19: 0	74.000	11670.17	1206.30	
14	18:34: 0	74.250	7597.86		150.15
15	18:49: 0	74.500	11670.17	1206.30	
16	19: 4: 0	74.750	7597.72		150.14
17	19:19: 0	75.000	11670.19	1206.32	
18	19:34: 0	75.250	7597.66		150.13
19	19:49: 0	75.500	11670.21	1206.34	
20	20: 4: 0	75.750	7597.53		150.12
21	20:19: 0	76.000	11670.22	1206.36	
22	20:34: 0	76.250	7597.41		150.11
23	20:49: 0	76.500	11670.24	1206.37	
24	21: 4: 0	76.750	7597.32		150.11
25	21:19: 0	77.000	11670.26	1206.39	
26	21:34: 0	77.250	7597.22		150.10
27	21:49: 0	77.500	11670.27	1206.41	
28	22: 4: 0	77.750	7597.12		150.09
29	22:19: 0	78.000	11670.28	1206.42	
30	22:34: 0	78.250	7596.96		150.08
31	22:49: 0	78.500	11670.30	1206.44	
32	23: 4: 0	78.750	7596.88		150.07
33	23:19: 0	79.000	11670.31	1206.45	
34	23:34: 0	79.250	7596.76		150.06
35	23:49: 0	79.500	11670.32	1206.47	
36	0: 4: 0	79.750	7596.67		150.05
37	0:19: 0	80.000	11670.34	1206.49	
38	0:34: 0	80.250	7596.53		150.04
39	0:49: 0	80.500	11670.36	1206.50	
40	1: 4: 0	80.750	7596.45		150.04
41	1:19: 0	81.000	11670.37	1206.52	
42	1:34: 0	81.250	7596.36		150.03
43	1:49: 0	81.500	11670.39	1206.54	
44	2: 4: 0	81.750	7596.25		150.02
45	2:19: 0	82.000	11670.40	1206.55	
46	2:34: 0	82.250	7596.18		150.01
47	2:49: 0	82.500	11670.42	1206.57	
48	3: 4: 0	82.750	7596.11		150.01
49	3:19: 0	83.000	11670.44	1206.59	
50	3:34: 0	83.250	7596.00		150.00

DATE: 4/24/37
GAUGE SN #69160
WELL # 0
TEST # 38

COMPANY: BMG
CLIENT:
WELL NAME: 5-23
TEST OPERATOR: MO
LOCATION: COU
COMMENTS: BHP @ 5200' GL
DWT TB6 649 psig

DATA FILE: 5

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	3:49: 0	83.500	11670.45	1206.60	
52	4: 4: 0	83.750	7595.88		149.99
53	4:19: 0	84.000	11670.46	1206.62	
54	4:34: 0	84.250	7595.78		149.98
55	4:49: 0	84.500	11670.48	1206.64	
56	5: 4: 0	84.750	7595.65		149.97
57	5:19: 0	85.000	11670.49	1206.66	
58	5:34: 0	85.250	7595.53		149.96
59	5:49: 0	85.500	11670.51	1206.67	
60	6: 4: 0	85.750	7595.46		149.95
61	6:19: 0	86.000	11670.52	1206.69	
62	6:34: 0	86.250	7595.40		149.95
63	6:49: 0	86.500	11670.54	1206.71	
64	7: 4: 0	86.750	7595.32		149.94
65	7:19: 0	87.000	11670.55	1206.72	
66	7:34: 0	87.250	7595.25		149.94
67	7:49: 0	87.500	11670.56	1206.74	
68	8: 4: 0	87.750	7595.15		149.93
69	8:19: 0	88.000	11670.58	1206.76	
70	8:34: 0	88.250	7595.03		149.92
71	8:49: 0	88.500	11670.59	1206.77	
72	9: 4: 0	88.750	7594.94		149.91
73	9:19: 0	89.000	11670.60	1206.79	
74	9:34: 0	89.250	7594.84		149.90
75	9:49: 0	89.500	11670.62	1206.80	
76	10: 4: 0	89.750	7594.77		149.90
77	10:19: 0	90.000	11670.63	1206.82	
78	10:34: 0	90.250	7594.69		149.89
79	10:49: 0	90.500	11670.64	1206.83	
80	11: 4: 0	90.750	7594.59		149.88
81	11:19: 0	91.000	11670.66	1206.85	
82	11:34: 0	91.250	7594.50		149.88
83	11:49: 0	91.500	11670.67	1206.86	
84	12: 4: 0	91.750	7594.41		149.87
85	12:19: 0	92.000	11670.69	1206.88	
86	12:34: 0	92.250	7594.34		149.86
87	12:49: 0	92.500	11670.70	1206.90	
88	13: 4: 0	92.750	7594.25		149.86
89	13:19: 0	93.000	11670.71	1206.91	
90	13:34: 0	93.250	7594.15		149.85
91	13:49: 0	93.500	11670.73	1206.93	
92	14: 4: 0	93.750	7594.08		149.84
93	14:19: 0	94.000	11670.74	1206.95	
94	14:34: 0	94.250	7593.97		149.83
95	14:49: 0	94.500	11670.75	1206.96	
96	15: 4: 0	94.750	7593.88		149.83
97	15:19: 0	95.000	11670.76	1206.97	
98	15:34: 0	95.250	7593.82		149.82
99	15:49: 0	95.500	11670.78	1206.99	
100	16: 4: 0	95.750	7593.74		149.82

DATE: 4/24/37
GAUGE SN #69160
WELL # 0
TEST # 50

DATA FILE: 3

COMPANY: BMG
CLIENT:
WELL NAME: B-29
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 6200' GL
DWT TBG 649 psig

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	16:19: 0	96.000	11670.79	1207.01	
2	16:34: 0	96.250	7593.64		149.81
3	16:49: 0	96.500	11670.80	1207.01	
4	17: 4: 0	96.750	7593.55		149.80
5	17:19: 0	97.000	11670.81	1207.03	
6	17:34: 0	97.250	7593.52		149.80
7	17:49: 0	97.500	11670.83	1207.05	
8	18: 4: 0	97.750	7593.47		149.79
9	18:19: 0	98.000	11670.85	1207.07	
10	18:34: 0	98.250	7593.34		149.78
11	18:49: 0	98.500	11670.85	1207.08	
12	19: 4: 0	98.750	7593.26		149.78
13	19:19: 0	99.000	11670.87	1207.10	
14	19:34: 0	99.250	7593.19		149.77
15	19:49: 0	99.500	11670.88	1207.11	
16	20: 4: 0	99.750	7593.07		149.76
17	20:19: 0	100.000	11670.90	1207.13	
18	20:34: 0	100.250	7592.98		149.75
19	20:49: 0	100.500	11670.91	1207.14	
20	21: 4: 0	100.750	7592.92		149.75
21	21:19: 0	101.000	11670.92	1207.15	
22	21:34: 0	101.250	7592.89		149.75
23	21:49: 0	101.500	11670.93	1207.16	
24	22: 4: 0	101.750	7592.79		149.74
25	22:19: 0	102.000	11670.94	1207.18	
26	22:34: 0	102.250	7592.72		149.73
27	22:49: 0	102.500	11670.95	1207.19	
28	23: 4: 0	102.750	7592.65		149.73
29	23:19: 0	103.000	11670.97	1207.21	
30	23:34: 0	103.250	7592.57		149.72
31	23:49: 0	103.500	11670.98	1207.22	
32	0: 4: 0	103.750	7592.50		149.71
33	0:19: 0	104.000	11670.99	1207.24	
34	0:34: 0	104.250	7592.44		149.71
35	0:49: 0	104.500	11671.00	1207.25	
36	1: 4: 0	104.750	7592.36		149.70
37	1:19: 0	105.000	11671.02	1207.27	
38	1:34: 0	105.250	7592.25		149.69
39	1:49: 0	105.500	11671.03	1207.28	
40	2: 4: 0	105.750	7592.19		149.69
41	2:19: 0	106.000	11671.04	1207.30	
42	2:34: 0	106.250	7592.12		149.68
43	2:49: 0	106.500	11671.05	1207.31	
44	3: 4: 0	106.750	7592.04		149.68
45	3:19: 0	107.000	11671.07	1207.32	
46	3:34: 0	107.250	7591.99		149.67
47	3:49: 0	107.500	11671.08	1207.34	
48	4: 4: 0	107.750	7591.95		149.67
49	4:19: 0	108.000	11671.09	1207.36	
50	4:34: 0	108.250	7591.88		149.66

DATE: 4/25/87
GAUGE SN #69 60
WELL # 0
TEST # 66

DATA FILE: 6

COMPANY: BMS
CLIENT:
WELL NAME: B-29
TEST OPERATOR: NO
LOCATION: COU
COMMENTS: BHP @ 6200' 6L
DWT TBG 649 psig

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	4:49: 0	108.500	11671.11	1207.37	
52	5: 4: 0	108.750	7591.79		149.66
53	5:19: 0	109.000	11671.12	1207.38	
54	5:34: 0	109.250	7591.71		149.65
55	5:49: 0	109.500	11671.13	1207.40	
56	6: 4: 0	109.750	7591.64		149.64
57	6:19: 0	110.000	11671.14	1207.41	
58	6:34: 0	110.250	7591.62		149.64
59	6:49: 0	110.500	11671.14	1207.42	
60	7: 4: 0	110.750	7591.55		149.64
61	7:19: 0	111.000	11671.15	1207.43	
62	7:34: 0	111.250	7591.52		149.63
63	7:49: 0	111.500	11671.17	1207.45	
64	8: 4: 0	111.750	7591.43		149.63
65	8:19: 0	112.000	11671.18	1207.46	
66	8:34: 0	112.250	7591.38		149.62
67	8:49: 0	112.500	11671.19	1207.47	
68	9: 4: 0	112.750	7591.29		149.62
69	9:19: 0	113.000	11671.21	1207.49	
70	9:34: 0	113.250	7591.24		149.61
71	9:49: 0	113.500	11671.22	1207.50	
72	10: 4: 0	113.750	7591.14		149.60
73	10:19: 0	114.000	11671.23	1207.51	
74	10:34: 0	114.250	7591.08		149.60
75	10:49: 0	114.500	11671.24	1207.53	
76	11: 4: 0	114.750	7591.00		149.59
77	11:19: 0	115.000	11671.25	1207.54	
78	11:34: 0	115.250	7590.94		149.59
79	11:49: 0	115.500	11671.26	1207.55	
80	12: 4: 0	115.750	7590.91		149.58
81	12:19: 0	116.000	11671.27	1207.56	
82	12:34: 0	116.250	7590.84		149.58
83	12:49: 0	116.500	11671.28	1207.58	
84	13: 4: 0	116.750	7590.78		149.57
85	13:19: 0	117.000	11671.29	1207.59	
86	13:34: 0	117.250	7590.75		149.57
87	13:49: 0	117.500	11671.31	1207.61	
88	14: 4: 0	117.750	7590.67		149.56
89	14:19: 0	118.000	11671.32	1207.62	
90	14:34: 0	118.250	7590.57		149.56
91	14:49: 0	118.500	11671.33	1207.63	
92	15: 4: 0	118.750	7590.52		149.55
93	15:19: 0	119.000	11671.34	1207.64	
94	15:34: 0	119.250	7590.46		149.55
95	15:49: 0	119.500	11671.36	1207.66	
96	16: 4: 0	119.750	7590.40		149.54
97	16:19: 0	120.000	11671.37	1207.68	
98	16:34: 0	120.250	7590.33		149.54
99	16:49: 0	120.500	11671.38	1207.69	
100	17: 4: 0	120.750	7590.28		149.53

DATE: 4/25/37
GAUGE SN #69150
WELL # 0
TEST # 96

DATA FILE: 7

COMPANY: BMG
CLIENT:
WELL NAME: B-29
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 5200' GL
DWT TSG 549 psig

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	17:19: 0	121.000	11671.39	1207.70	
2	17:34: 0	121.250	7590.21		149.53
3	17:49: 0	121.500	11671.40	1207.72	
4	18: 4: 0	121.750	7590.18		149.53
5	18:19: 0	122.000	11671.41	1207.73	
6	18:34: 0	122.250	7590.11		149.52
7	18:49: 0	122.500	11671.42	1207.74	
8	19: 4: 0	122.750	7590.06		149.52
9	19:19: 0	123.000	11671.43	1207.76	
10	19:34: 0	123.250	7589.96		149.51
11	19:49: 0	123.500	11671.44	1207.76	
12	20: 4: 0	123.750	7589.95		149.51
13	20:19: 0	124.000	11671.46	1207.78	
14	20:34: 0	124.250	7589.90		149.50
15	20:49: 0	124.500	11671.46	1207.79	
16	21: 4: 0	124.750	7589.86		149.50
17	21:19: 0	125.000	11671.48	1207.81	
18	21:34: 0	125.250	7589.79		149.49
19	21:49: 0	125.500	11671.48	1207.81	
20	22: 4: 0	125.750	7589.76		149.49
21	22:19: 0	126.000	11671.50	1207.83	
22	22:34: 0	126.250	7589.68		149.48
23	22:49: 0	126.500	11671.50	1207.83	
24	23: 4: 0	126.750	7589.63		149.48
25	23:19: 0	127.000	11671.51	1207.85	
26	23:34: 0	127.250	7589.60		149.48
27	23:49: 0	127.500	11671.53	1207.87	
28	0: 4: 0	127.750	7589.52		149.47
29	0:19: 0	128.000	11671.54	1207.88	
30	0:34: 0	128.250	7589.47		149.47
31	0:49: 0	128.500	11671.55	1207.89	
32	1: 4: 0	128.750	7589.42		149.46
33	1:19: 0	129.000	11671.56	1207.90	
34	1:34: 0	129.250	7589.40		149.46
35	1:49: 0	129.500	11671.57	1207.91	
36	2: 4: 0	129.750	7589.30		149.45
37	2:19: 0	130.000	11671.58	1207.93	
38	2:34: 0	130.250	7589.25		149.45
39	2:49: 0	130.500	11671.59	1207.94	
40	3: 4: 0	130.750	7589.21		149.45
41	3:19: 0	131.000	11671.60	1207.95	
42	3:34: 0	131.250	7589.18		149.44
43	3:49: 0	131.500	11671.61	1207.96	
44	4: 4: 0	131.750	7589.10		149.44
45	4:19: 0	132.000	11671.62	1207.98	
46	4:34: 0	132.250	7589.05		149.43
47	4:49: 0	132.500	11671.63	1207.99	
48	5: 4: 0	132.750	7588.99		149.43
49	5:19: 0	133.000	11671.65	1208.01	
50	5:34: 0	133.250	7588.99		149.43

DATE: 4/26/87
GAUGE SN #69160
WELL # 0
TEST # 33

COMPANY: SMG
CLIENT:
WELL NAME: B-29
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 6200' 6L
OWT TBG 649 psig

DATA FILE: 2

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	5:49: 0	133.500	11671.65	1208.01	
52	6: 4: 0	133.750	7588.92		149.42
53	6:19: 0	134.000	11671.66	1208.03	
54	6:34: 0	134.250	7588.87		149.42
55	6:49: 0	134.500	11671.67	1208.04	
56	7: 4: 0	134.750	7588.87		149.42
57	7:19: 0	135.000	11671.69	1208.06	
58	7:34: 0	135.250	7588.91		149.41
59	7:49: 0	135.500	11671.70	1208.07	
60	8: 4: 0	135.750	7588.80		149.41
61	8:19: 0	136.000	11671.70	1208.07	
62	8:34: 0	136.250	7588.71		149.40
63	8:49: 0	136.500	11671.72	1208.09	
64	9: 4: 0	136.750	7588.66		149.40
65	9:19: 0	137.000	11671.72	1208.10	
66	9:34: 0	137.250	7588.58		149.39
67	9:49: 0	137.500	11671.74	1208.11	
68	10: 4: 0	137.750	7588.53		149.39
69	10:19: 0	138.000	11671.74	1208.12	
70	10:34: 0	138.250	7588.48		149.39
71	10:49: 0	138.500	11671.75	1208.13	
72	11: 4: 0	138.750	7588.41		149.38
73	11:19: 0	139.000	11671.76	1208.14	
74	11:34: 0	139.250	7588.35		149.38
75	11:49: 0	139.500	11671.77	1208.16	
76	12: 4: 0	139.750	7588.34		149.38
77	12:19: 0	140.000	11671.78	1208.16	
78	12:34: 0	140.250	7588.29		149.37
79	12:49: 0	140.500	11671.80	1208.18	
80	13: 4: 0	140.750	7588.25		149.37
81	13:19: 0	141.000	11671.80	1208.19	
82	13:34: 0	141.250	7588.21		149.36
83	13:49: 0	141.500	11671.81	1208.20	
84	14: 4: 0	141.750	7588.17		149.36
85	14:19: 0	142.000	11671.82	1208.22	
86	14:34: 0	142.250	7588.10		149.36
87	14:49: 0	142.500	11671.84	1208.23	
88	15: 4: 0	142.750	7588.03		149.35
89	15:19: 0	143.000	11671.84	1208.24	
90	15:34: 0	143.250	7587.99		149.35
91	15:49: 0	143.500	11671.86	1208.26	
92	16: 4: 0	143.750	7587.96		149.34
93	16:19: 0	144.000	11671.87	1208.27	
94	16:34: 0	144.250	7587.91		149.34
95	16:49: 0	144.500	11671.88	1208.28	
96	17: 4: 0	144.750	7587.85		149.34
97	17:19: 0	145.000	11671.89	1208.29	
98	17:34: 0	145.250	7587.78		149.33
99	17:49: 0	145.500	11671.90	1208.30	
100	18: 4: 0	145.750	7587.75		149.33

DATE: 4/26/87
GAUGE SN #59 50
WELL # 0
TEST # 33

DATA FILE: 0

COMPANY: SMG
CLIENT:
WELL NAME: B-29
TEST OPERATOR: ND
LOCATION: COU
COMMENTS: BHP @ 5200' GL
DWT TBG 549 psig

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	18:19: 0	146.000	11671.91	1208.31	
2	18:34: 0	146.250	7587.71		149.32
3	18:49: 0	146.500	11671.92	1208.33	
4	19: 4: 0	146.750	7587.63		149.32
5	19:19: 0	147.000	11671.93	1208.33	
6	19:34: 0	147.250	7587.61		149.32
7	19:49: 0	147.500	11671.94	1208.35	
8	20: 4: 0	147.750	7587.54		149.31
9	20:19: 0	148.000	11671.95	1208.36	
10	20:34: 0	148.250	7587.48		149.31
11	20:49: 0	148.500	11671.96	1208.37	
12	21: 4: 0	148.750	7587.48		149.31
13	21:19: 0	149.000	11671.96	1208.38	
14	21:34: 0	149.250	7587.40		149.30
15	21:49: 0	149.500	11671.97	1208.39	
16	22: 4: 0	149.750	7587.38		149.30
17	22:19: 0	150.000	11671.98	1208.40	
18	22:34: 0	150.250	7587.29		149.29
19	22:49: 0	150.500	11671.99	1208.41	
20	23: 4: 0	150.750	7587.26		149.29
21	23:19: 0	151.000	11672.00	1208.42	
22	23:34: 0	151.250	7587.21		149.28
23	23:49: 0	151.500	11672.01	1208.43	
24	0: 4: 0	151.750	7587.19		149.28
25	0:19: 0	152.000	11672.01	1208.44	
26	0:34: 0	152.250	7587.13		149.28
27	0:49: 0	152.500	11672.03	1208.45	
28	1: 4: 0	152.750	7587.11		149.28
29	1:19: 0	153.000	11672.04	1208.47	
30	1:34: 0	153.250	7587.03		149.27
31	1:49: 0	153.500	11672.05	1208.48	
32	2: 4: 0	153.750	7586.97		149.26
33	2:19: 0	154.000	11672.05	1208.49	
34	2:34: 0	154.250	7586.93		149.26
35	2:49: 0	154.500	11672.06	1208.50	
36	3: 4: 0	154.750	7586.86		149.25
37	3:19: 0	155.000	11672.08	1208.51	
38	3:34: 0	155.250	7586.86		149.25
39	3:49: 0	155.500	11672.09	1208.53	
40	4: 4: 0	155.750	7586.86		149.25
41	4:19: 0	156.000	11672.09	1208.53	
42	4:34: 0	156.250	7586.86		149.26
43	4:49: 0	156.500	11672.11	1208.55	
44	5: 4: 0	156.750	7586.82		149.25
45	5:19: 0	157.000	11672.11	1208.55	
46	5:34: 0	157.250	7586.71		149.24
47	5:49: 0	157.500	11672.12	1208.56	
48	6: 4: 0	157.750	7586.69		149.24
49	6:19: 0	158.000	11672.14	1208.59	
50	6:34: 0	158.250	7586.65		149.24

DATE: 4/27/37
GAUGE SN #69160
WELL # 0
TEST # 36

COMPANY: SMG
CLIENT:
WELL NAME: B-29
TEST OPERATOR: RD
LOCATION: COU
COMMENTS: BHP @ 6200' GL
DWT TB6 649 psig

DATA FILE: 3

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	6:49: 0	158.500	11672.15	1208.60	
52	7: 4: 0	158.750	7586.58		149.23
53	7:19: 0	159.000	11672.15	1208.60	
54	7:34: 0	159.250	7586.56		149.23
55	7:49: 0	159.500	11672.17	1208.62	

D

EVIDENCE OF COMMUNICATION
CANADA OJITOS UNIT A-16 FRAC TREATMENT
MAY 11, 1987

Evidence of communication in the area described by the orange lines on the plat on the facing page has been provided the Oil Conservation Division in numerous reports, studies and hearings; and summarized briefly in Case 9113 held March 30, 1987.

Evidence of communication west of and across the postulated area of permeability restriction (stippled area on plat) was presented in Cases 8946 and 8950 in August 1986 and in Case 9113 in March 1987.

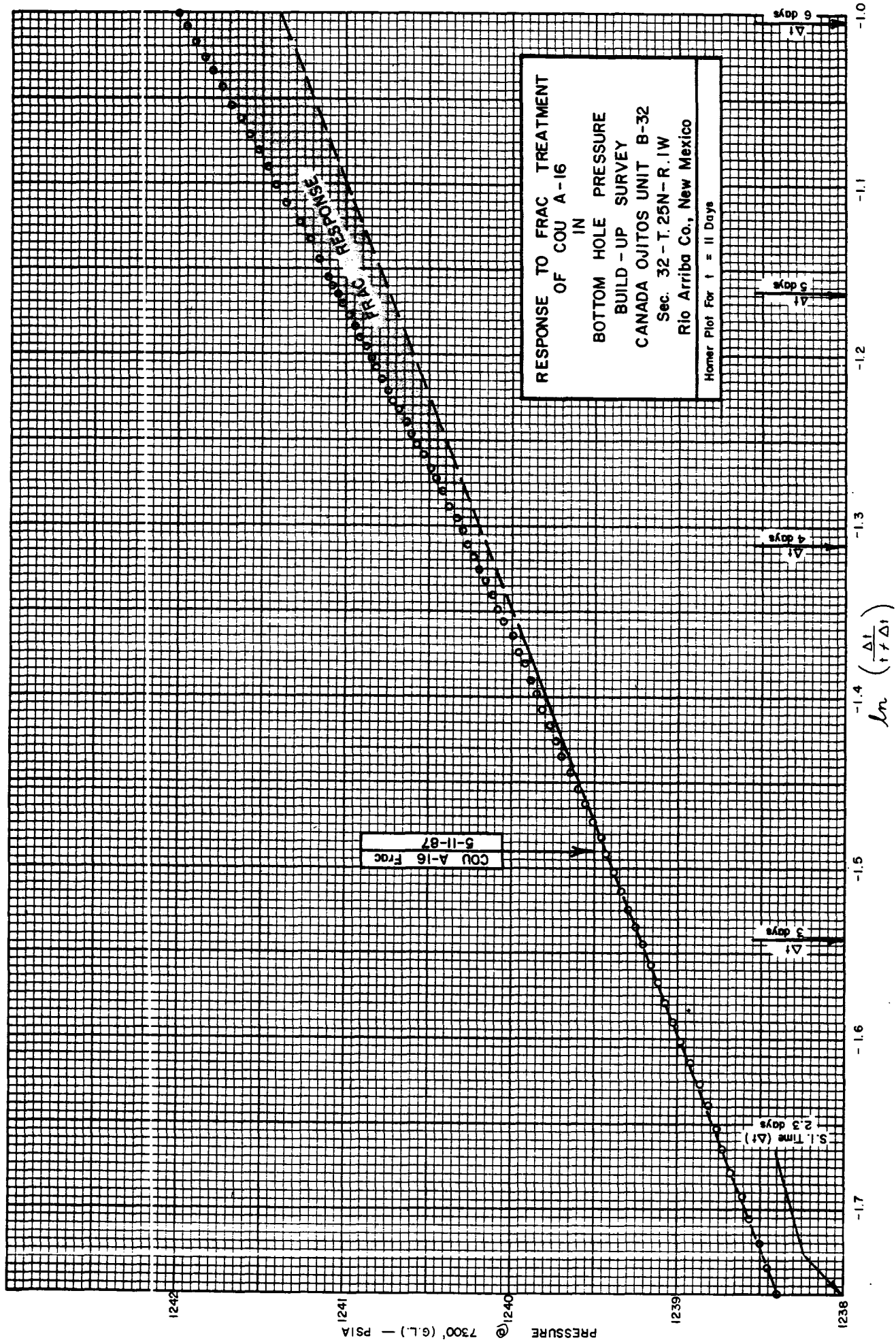
Wells drilled early in the history of the Gavilan area showed pressures less than virgin, implying communication across the entire area; but no direct "cause and effect" examples of communication tying the east and west areas together have been presented to the Oil Conservation Division prior to this Case 9111.

Described in Sections B and C herein is evidence of direct cause and effect communication between the east and west areas as demonstrated by frac treatment in the C-34 (junction of lower blue lines on plat) April 23, 1987 with responses in the B-29 and B-32 wells to the west.

Described in this Section D (and following Section E) is evidence of direct cause and effect communication between the east and west areas which is demonstrated by frac treatment in the A-16 well (junction of upper blue lines on plat) May 11, 1987 with responses in the A-20 and B-32 wells to the southwest.

Frac treatment was in the A and B zones in the A-16. All three (A, B and C) zones were open in the observation wells.

To minimize extraneous interference effects, all wells in Township 25 North, Range 1 West were shut in during this test.



CANADA OJITOS UNIT B-32
RESPONSE TO FRAC TREATMENT
OF CANADA OJITOS UNIT A-16
MAY 11, 1987

BOMB TIME STARTS AT 11:07:00 AM MAY 8, 1987
R-32 SHUT IN 7:30 AM MAY 8, 1987
ADD 3.62 HOURS TO BOMB TIME TO GET Δt
 $t = 11$ DAYS

INSTRUMENT: GRC ELEMENT NO. 69685 SET AT 7300' GL

<u>Pressure</u> (Psia) (1)	<u>Bomb Time</u> (Hours) (2)	<u>Δt</u> (Hours) (3)	<u>$\ln \frac{\Delta t}{t + \Delta t}$</u> (4)	<u>Pressure</u> (Psia) (5)	<u>Bomb Time</u> (Hours) (6)	<u>Δt</u> (Hours) (7)	<u>$\ln \frac{\Delta t}{t + \Delta t}$</u> (8)
1236.42	25.00	28.62	-2.3248	1238.17	48.00	51.62	-1.8106
1236.53	26.00	29.62	-2.2938	1238.23	49.00	52.62	-1.7946
1236.64	27.00	30.62	-2.2640	1238.29	50.00	53.62	-1.7789
1236.74	28.00	31.62	-2.2353	1238.35	51.00	54.62	-1.7636
1236.85	29.00	32.62	-2.2075	1238.40	52.00	55.62	-1.7486
1236.93	30.00	33.62	-2.1807	1238.46	53.00	56.62	-1.7339
1237.02	31.00	34.62	-2.1547	1238.51	54.00	57.62	-1.7195
1237.11	32.00	35.62	-2.1296	1238.57	55.00	58.62	-1.7054
1237.19	33.00	36.62	-2.1053	1238.62	56.00	59.62	-1.6916
1237.27	34.00	37.62	-2.0816	1238.68	57.00	60.62	-1.6780
1237.34	35.00	38.62	-2.0587	1238.73	58.00	61.62	-1.6647
1237.41	36.00	39.62	-2.0364	1238.77	59.00	62.62	-1.6517
1237.48	37.00	40.62	-2.0148	1238.82	60.00	63.62	-1.6389
1237.55	38.00	41.62	-1.9938	1238.87	61.00	64.62	-1.6264
1237.62	39.00	42.62	-1.9733	1238.93	62.00	65.62	-1.6141
1237.69	40.00	43.62	-1.9533	1238.98	63.00	66.62	-1.6020
1237.76	41.00	44.62	-1.9339	1239.03	64.00	67.62	-1.5901
1237.82	42.00	45.62	-1.9150	1239.08	65.00	68.62	-1.5784
1237.89	43.00	46.62	-1.8965	1239.12	66.00	69.62	-1.5670
1237.94	44.00	47.62	-1.8785	1239.17	67.00	70.62	-1.5557
1238.01	45.00	48.62	-1.8610	1239.21	68.00	71.62	-1.5446
1238.06	46.00	49.62	-1.8438	1239.26	69.00	72.62	-1.5337
1238.12	47.00	50.62	-1.8270	1239.30	70.00	73.62	-1.5230

CANADA OUTIOS UNIT B-32
RESPONSE TO FRAC TREATMENT
OF CANADA OUTIOS UNIT A-16

PAGE 2

Pressure (Psia) (1)	Bomb Time (Hours) (2)	$\frac{\Delta t}{\text{(Hours)}}$ (3)	$\ln \frac{\Delta t}{t + \Delta t}$ (4)	Pressure (Psia) (5)	Bomb Time (Hours) (6)	$\frac{\Delta t}{\text{(Hours)}}$ (7)	$\ln \frac{\Delta t}{t + \Delta t}$ (8)
1239.34	71.00	74.62	-1.5125	1240.45	99.00	102.62	-1.2733
1239.39	72.00	75.62	-1.5021	1240.49	100.00	103.62	-1.2663
1239.43	73.00	76.62	-1.4919	1240.53	101.00	104.62	-1.2594
Start frac A-16				1240.57	102.00	105.62	-1.2526
1239.47	74.00	77.62	-1.4819	1240.61	103.00	106.62	-1.2459
1239.52	75.00	78.62	-1.4720	1240.64	104.00	107.62	-1.2393
1239.56	76.00	79.62	-1.4623	1240.68	105.00	108.62	-1.2327
1239.61	77.00	80.62	-1.4527	1240.72	106.00	109.62	-1.2262
1239.65	78.00	81.62	-1.4433	1240.75	107.00	110.62	-1.2198
1239.70	79.00	82.62	-1.4340	1240.78	108.00	111.62	-1.2135
1239.73	80.00	83.62	-1.4248	1240.82	109.00	112.62	-1.2072
1239.77	81.00	84.62	-1.4158	1240.85	110.00	113.62	-1.2010
1239.82	82.00	85.62	-1.4069	1240.89	111.00	114.62	-1.1949
1239.85	83.00	86.62	-1.3982	1240.92	112.00	115.62	-1.1889
1239.89	84.00	87.62	-1.3895	1240.95	113.00	116.62	-1.1829
1239.93	85.00	88.62	-1.3810	1240.98	114.00	117.62	-1.1770
1239.97	86.00	89.62	-1.3726	1241.02	115.00	118.62	-1.1711
1240.00	87.00	90.62	-1.3644	1241.05	116.00	119.62	-1.1653
1240.05	88.00	91.62	-1.3562	1241.08	117.00	120.62	-1.1596
1240.09	89.00	92.62	-1.3482	1241.11	118.00	121.62	-1.1540
1240.12	90.00	93.62	-1.3402	1241.16	120.00	123.62	-1.1428
1240.17	91.00	94.62	-1.3324	1241.22	122.00	125.62	-1.1319
1240.20	92.00	95.62	-1.3247	1241.28	124.00	127.62	-1.1212
1240.24	93.00	96.62	-1.3170	1241.36	126.00	129.62	-1.1108
1240.27	94.00	97.62	-1.3095	1241.42	128.00	131.62	-1.1005
1240.30	95.00	98.62	-1.3021	1241.47	130.00	133.62	-1.0905
1240.34	96.00	99.62	-1.2947	1241.53	132.00	135.62	-1.0807
1240.38	97.00	100.62	-1.2875	1241.59	134.00	137.62	-1.0710
1240.42	98.00	101.62	-1.2804	1241.64	136.00	139.62	-1.0615

CANADA OJITOS UNIT B-32
RESPONSE TO FRAC TREATMENT
OF CANADA OJITOS UNIT A-16

PAGE 3

$\frac{\text{Pressure}}{(\text{Psia})}$ (1)	BOMB Time (Hours) (2)	$\frac{\Delta t}{(\text{Hours})}$ (3)	$\frac{\ln t + \Delta t}{(4)}$	Pressure (Psia) (5)	BOMB Time (Hours) (6)	$\frac{\Delta t}{(\text{Hours})}$ (7)	$\frac{\Delta t}{\ln t + \Delta t}$ (8)
1241.69	138.00	141.62	-1.0523	1241.95	148.00	151.62	-1.0084
1241.75	140.00	143.62	-1.0432	1242.00	150.00	153.62	-1.0001
1241.80	142.00	145.62	-1.0342	1242.06	152.00	155.62	-0.9919
1241.84	144.00	147.62	-1.0255	1242.12	154.00	157.62	-0.9839
1241.90	146.00	149.62	-1.0168	1242.16	156.00	159.62	-0.9760

DATE: 5/ 8/87
GAUGE SN #65685
WELL # 0
TEST # 105

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: CDU
COMMENTS: BHP @ 7300' GL

DATA FILE: 1

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	11:37: 0	0.000	6721.94		73.24
2	12: 7: 0	0.500	10627.39	18.86	
3	12:37: 0	1.000	6717.12		72.87
4	13: 7: 0	1.500	10627.38	18.82	
5	13:37: 0	2.000	6715.88		72.78
6	14: 7: 0	2.500	10627.38	18.81	
7	14:37: 0	3.000	6719.82		73.08
8	15: 7: 0	3.500	10627.30	18.78	
9	15:37: 0	4.000	6815.82		80.45
10	16: 7: 0	4.500	10626.12	18.45	
11	16:37: 0	5.000	6879.37		85.34
12	17: 7: 0	5.500	10626.29	18.96	
13	17:37: 0	6.000	6938.18		89.87
14	18: 7: 0	6.500	10625.71	18.81	
15	18:37: 0	7.000	6868.52		84.51
16	19: 7: 0	7.500	10626.03	18.70	
17	19:37: 0	8.000	6825.14		81.17
18	20: 7: 0	8.500	10626.25	18.61	
19	20:37: 0	9.000	6886.35		70.51
20	21: 7: 0	9.500	10628.15	18.22	
21	21:37: 0	10.000	6615.57		65.09
22	22: 7: 0	10.500	10627.51	18.31	
23	22:37: 0	11.000	6641.67		67.09
24	23: 7: 0	11.500	10627.26	18.28	
25	23:37: 0	12.000	6657.70		68.32
26	0: 7: 0	12.500	10627.13	18.28	
27	0:37: 0	13.000	6645.56		67.40
28	1: 7: 0	13.500	10627.42	18.43	
29	1:37: 0	14.000	6617.56		65.24
30	2: 7: 0	14.500	10627.73	18.49	
31	2:37: 0	15.000	6590.22		63.15
32	3: 7: 0	15.500	10628.01	18.55	
33	3:37: 0	16.000	6564.25		61.16
34	4: 7: 0	16.500	10628.26	18.58	
35	4:37: 0	17.000	6541.21		59.40
36	5: 7: 0	17.500	10628.42	18.56	
37	5:37: 0	18.000	6541.55		59.43
38	6: 7: 0	18.500	10628.28	18.46	
39	6:37: 0	19.000	6522.17		57.95
40	7: 7: 0	19.500	10628.93	18.84	
41	7:37: 0	20.000	6476.92		54.49
42	8: 7: 0	20.500	10629.62	19.09	
43	8:37: 0	21.000	6469.51		53.93
44	9: 7: 0	21.500	10627.55	17.49	
45	9:37: 0	22.000	6606.90		64.43
46	10: 7: 0	22.500	10627.05	17.92	
47	10:37: 0	23.000	7460.55		130.37
48	11: 7: 0	23.500	11970.75	1235.10	
49	11:37: 0	24.000	7922.57		166.58
50	12: 7: 0	24.500	11970.75	1236.42	

DATE: 5/ 9/87
GAUGE SN #69585
WELL # 0
TEST # 105

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7300' GL

DATA FILE: 1

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	12:37: 0	25.000	7923.45		166.65
52	13: 7: 0	25.500	11970.85	1236.53	
53	13:37: 0	26.000	7923.64		166.66
54	14: 7: 0	26.500	11970.95	1236.64	
55	14:37: 0	27.000	7923.64		166.66
56	15: 7: 0	27.500	11971.05	1236.74	
57	15:37: 0	28.000	7923.72		166.67
58	16: 7: 0	28.500	11971.14	1236.85	
59	16:37: 0	29.000	7923.76		166.67
60	17: 7: 0	29.500	11971.23	1236.93	
61	17:37: 0	30.000	7923.76		166.67
62	18: 7: 0	30.500	11971.31	1237.02	
63	18:37: 0	31.000	7923.79		166.67
64	19: 7: 0	31.500	11971.40	1237.11	
65	19:37: 0	32.000	7923.86		166.68
66	20: 7: 0	32.500	11971.47	1237.19	
67	20:37: 0	33.000	7923.93		166.68
68	21: 7: 0	33.500	11971.54	1237.27	
69	21:37: 0	34.000	7923.93		166.68
70	22: 7: 0	34.500	11971.61	1237.34	
71	22:37: 0	35.000	7924.03		166.69
72	23: 7: 0	35.500	11971.67	1237.41	
73	23:37: 0	36.000	7923.95		166.69
74	0: 7: 0	36.500	11971.74	1237.48	
75	0:37: 0	37.000	7924.04		166.69
76	1: 7: 0	37.500	11971.81	1237.55	
77	1:37: 0	38.000	7924.02		166.69
78	2: 7: 0	38.500	11971.88	1237.62	
79	2:37: 0	39.000	7924.11		166.70
80	3: 7: 0	39.500	11971.94	1237.69	
81	3:37: 0	40.000	7924.11		166.70
82	4: 7: 0	40.500	11972.00	1237.76	
83	4:37: 0	41.000	7924.19		166.70
84	5: 7: 0	41.500	11972.06	1237.82	
85	5:37: 0	42.000	7924.22		166.71
86	6: 7: 0	42.500	11972.12	1237.89	
87	6:37: 0	43.000	7924.18		166.70
88	7: 7: 0	43.500	11972.17	1237.94	
89	7:37: 0	44.000	7924.19		166.70
90	8: 7: 0	44.500	11972.23	1238.01	
91	8:37: 0	45.000	7924.26		166.71
92	9: 7: 0	45.500	11972.28	1238.06	
93	9:37: 0	46.000	7924.29		166.71
94	10: 7: 0	46.500	11972.34	1238.12	
95	10:37: 0	47.000	7924.30		166.71
96	11: 7: 0	47.500	11972.39	1238.17	
97	11:37: 0	48.000	7924.35		166.72
98	12: 7: 0	48.500	11972.44	1238.23	
99	12:37: 0	49.000	7924.34		166.72
100	13: 7: 0	49.500	11972.50	1238.29	

DATE: 5/10/87
GAUGE SN #63685
WELL # 0
TEST # 105

DATA FILE: 2

COMPANY: BMG
CLIENT:
WELL NAME: 8-32
TEST OPERATOR: MD
LOCATION: CGU
COMMENTS: BHP @ 7300' SL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	13:37: 0	50.000	7924.35		166.72
2	14: 7: 0	50.500	11972.55	1238.35	
3	14:37: 0	51.000	7924.38		166.72
4	15: 7: 0	51.500	11972.60	1238.40	
5	15:37: 0	52.000	7924.38		166.72
6	16: 7: 0	52.500	11972.66	1238.46	
7	16:37: 0	53.000	7924.36		166.72
8	17: 7: 0	53.500	11972.71	1238.51	
9	17:37: 0	54.000	7924.39		166.72
10	18: 7: 0	54.500	11972.76	1238.57	
11	18:37: 0	55.000	7924.36		166.72
12	19: 7: 0	55.500	11972.81	1238.62	
13	19:37: 0	56.000	7924.43		166.72
14	20: 7: 0	56.500	11972.86	1238.68	
15	20:37: 0	57.000	7924.44		166.72
16	21: 7: 0	57.500	11972.91	1238.73	
17	21:37: 0	58.000	7924.45		166.73
18	22: 7: 0	58.500	11972.95	1238.77	
19	22:37: 0	59.000	7924.49		166.73
20	23: 7: 0	59.500	11973.00	1238.82	
21	23:37: 0	60.000	7924.50		166.73
22	0: 7: 0	60.500	11973.05	1238.87	
23	0:37: 0	61.000	7924.62		166.74
24	1: 7: 0	61.500	11973.10	1238.93	
25	1:37: 0	62.000	7924.54		166.73
26	2: 7: 0	62.500	11973.14	1238.98	
27	2:37: 0	63.000	7924.52		166.73
28	3: 7: 0	63.500	11973.19	1239.03	
29	3:37: 0	64.000	7924.61		166.74
30	4: 7: 0	64.500	11973.24	1239.08	
31	4:37: 0	65.000	7924.61		166.74
32	5: 7: 0	65.500	11973.28	1239.12	
33	5:37: 0	66.000	7924.60		166.74
34	6: 7: 0	66.500	11973.32	1239.17	
35	6:37: 0	67.000	7924.63		166.74
36	7: 7: 0	67.500	11973.36	1239.21	
37	7:37: 0	68.000	7924.70		166.75
38	8: 7: 0	68.500	11973.40	1239.26	
39	8:37: 0	69.000	7924.76		166.75
40	9: 7: 0	69.500	11973.44	1239.30	
41	9:37: 0	70.000	7924.75		166.75
42	10: 7: 0	70.500	11973.48	1239.34	
43	10:37: 0	71.000	7924.78		166.75
44	11: 7: 0	71.500	11973.53	1239.39	
45	11:37: 0	72.000	7924.80		166.75
46	12: 7: 0	72.500	11973.57	1239.43	
47	12:37: 0	73.000	7924.80		166.75
48	13: 7: 0	73.500	11973.61	1239.47	
49	13:37: 0	74.000	7924.80		166.75
50	14: 7: 0	74.500	11973.65	1239.52	

DATE: 5/11/87
GAUGE SN #89685
WELL # 0
TEST # 105

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7300' GL

DATA FILE: 2

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	14:37: 0	75.000	7924.75		166.75
52	15: 7: 0	75.500	11973.69	1239.56	
53	15:37: 0	76.000	7924.78		166.75
54	16: 7: 0	76.500	11973.73	1239.61	
55	16:37: 0	77.000	7924.78		166.75
56	17: 7: 0	77.500	11973.78	1239.65	
57	17:37: 0	78.000	7924.84		166.76
58	18: 7: 0	78.500	11973.82	1239.70	
59	18:37: 0	79.000	7924.86		166.76
60	19: 7: 0	79.500	11973.85	1239.73	
61	19:37: 0	80.000	7924.93		166.76
62	20: 7: 0	80.500	11973.89	1239.77	
63	20:37: 0	81.000	7924.93		166.75
64	21: 7: 0	81.500	11973.93	1239.82	
65	21:37: 0	82.000	7924.92		166.75
66	22: 7: 0	82.500	11973.96	1239.85	
67	22:37: 0	83.000	7924.93		166.76
68	23: 7: 0	83.500	11974.00	1239.89	
69	23:37: 0	84.000	7924.88		166.76
70	0: 7: 0	84.500	11974.03	1239.93	
71	0:37: 0	85.000	7924.82		166.75
72	1: 7: 0	85.500	11974.07	1239.97	
73	1:37: 0	86.000	7924.80		166.75
74	2: 7: 0	86.500	11974.11	1240.00	
75	2:37: 0	87.000	7924.86		166.76
76	3: 7: 0	87.500	11974.15	1240.05	
77	3:37: 0	88.000	7924.89		166.76
78	4: 7: 0	88.500	11974.19	1240.09	
79	4:37: 0	89.000	7924.84		166.76
80	5: 7: 0	89.500	11974.22	1240.12	
81	5:37: 0	90.000	7924.88		166.76
82	6: 7: 0	90.500	11974.26	1240.17	
83	6:37: 0	91.000	7924.88		166.76
84	7: 7: 0	91.500	11974.29	1240.20	
85	7:37: 0	92.000	7924.85		166.76
86	8: 7: 0	92.500	11974.32	1240.24	
87	8:37: 0	93.000	7924.93		166.76
88	9: 7: 0	93.500	11974.35	1240.27	
89	9:37: 0	94.000	7924.89		166.76
90	10: 7: 0	94.500	11974.39	1240.30	
91	10:37: 0	95.000	7924.87		166.76
92	11: 7: 0	95.500	11974.43	1240.34	
93	11:37: 0	96.000	7924.88		166.76
94	12: 7: 0	96.500	11974.46	1240.38	
95	12:37: 0	97.000	7924.88		166.76
96	13: 7: 0	97.500	11974.49	1240.42	
97	13:37: 0	98.000	7924.88		166.76
98	14: 7: 0	98.500	11974.53	1240.45	
99	14:37: 0	99.000	7924.87		166.76
100	15: 7: 0	99.500	11974.56	1240.49	

DATE: 5/12/87
GAUGE SN #83685
WELL # 0
TEST # 105

COMPANY: BMG
CLIENT:
WELL NAME: B-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7300' GL

DATA FILE: 3

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	15:37: 0	100.000	7924.94		166.76
2	16: 7: 0	100.500	11974.60	1240.53	
3	16:37: 0	101.000	7924.98		166.77
4	17: 7: 0	101.500	11974.64	1240.57	
5	17:37: 0	102.000	7924.89		166.76
6	18: 7: 0	102.500	11974.68	1240.61	
7	18:37: 0	103.000	7924.97		166.77
8	19: 7: 0	103.500	11974.70	1240.64	
9	19:37: 0	104.000	7924.89		166.76
10	20: 7: 0	104.500	11974.74	1240.68	
11	20:37: 0	105.000	7925.01		166.77
12	21: 7: 0	105.500	11974.78	1240.72	
13	21:37: 0	106.000	7924.99		166.77
14	22: 7: 0	106.500	11974.80	1240.75	
15	22:37: 0	107.000	7925.02		166.77
16	23: 7: 0	107.500	11974.83	1240.78	
17	23:37: 0	108.000	7925.06		166.77
18	0: 7: 0	108.500	11974.87	1240.82	
19	0:37: 0	109.000	7925.08		166.78
20	1: 7: 0	109.500	11974.90	1240.85	
21	1:37: 0	110.000	7925.10		166.78
22	2: 7: 0	110.500	11974.93	1240.89	
23	2:37: 0	111.000	7925.06		166.77
24	3: 7: 0	111.500	11974.96	1240.92	
25	3:37: 0	112.000	7925.10		166.78
26	4: 7: 0	112.500	11974.99	1240.95	
27	4:37: 0	113.000	7925.04		166.77
28	5: 7: 0	113.500	11975.02	1240.98	
29	5:37: 0	114.000	7925.07		166.77
30	6: 7: 0	114.500	11975.06	1241.02	
31	6:37: 0	115.000	7925.07		166.77
32	7: 7: 0	115.500	11975.08	1241.05	
33	7:37: 0	116.000	7925.10		166.78
34	8: 7: 0	116.500	11975.11	1241.08	
35	8:37: 0	117.000	7925.09		166.78
36	9: 7: 0	117.500	11975.14	1241.11	
37	9:37: 0	118.000	7925.06		166.77
38	10: 7: 0	118.500	11975.16	1241.13	
39	10:37: 0	119.000	7925.06		166.77
40	11: 7: 0	119.500	11975.19	1241.16	
41	11:37: 0	120.000	7925.10		166.78
42	12: 7: 0	120.500	11975.22	1241.19	
43	12:37: 0	121.000	7925.07		166.77
44	13: 7: 0	121.500	11975.25	1241.22	
45	13:37: 0	122.000	7925.12		166.78
46	14: 7: 0	122.500	11975.28	1241.25	
47	14:37: 0	123.000	7925.09		166.78
48	15: 7: 0	123.500	11975.31	1241.28	
49	15:37: 0	124.000	7925.03		166.77
50	16: 7: 0	124.500	11975.35	1241.33	

DATE: 5/13/87
GAUGE SN #63685
WELL # 0
TEST # 105

DATA FILE: 3

COMPANY: BMG
CLIENT:
WELL NAME: 8-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7300' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE °F
51	16:37: 0	125.000	7925.08		166.78
52	17: 7: 0	125.500	11975.37	1241.36	
53	17:37: 0	126.000	7925.09		166.78
54	18: 7: 0	126.500	11975.40	1241.39	
55	18:37: 0	127.000	7925.12		166.78
56	19: 7: 0	127.500	11975.44	1241.42	
57	19:37: 0	128.000	7925.08		166.78
58	20: 7: 0	128.500	11975.46	1241.45	
59	20:37: 0	129.000	7925.10		166.78
60	21: 7: 0	129.500	11975.49	1241.47	
61	21:37: 0	130.000	7925.14		166.78
62	22: 7: 0	130.500	11975.52	1241.51	
63	22:37: 0	131.000	7925.10		166.78
64	23: 7: 0	131.500	11975.54	1241.53	
65	23:37: 0	132.000	7925.08		166.78
66	0: 7: 0	132.500	11975.57	1241.56	
67	0:37: 0	133.000	7925.13		166.78
68	1: 7: 0	133.500	11975.59	1241.59	
69	1:37: 0	134.000	7925.12		166.78
70	2: 7: 0	134.500	11975.62	1241.62	
71	2:37: 0	135.000	7925.12		166.78
72	3: 7: 0	135.500	11975.64	1241.64	
73	3:37: 0	136.000	7925.12		166.78
74	4: 7: 0	136.500	11975.66	1241.66	
75	4:37: 0	137.000	7925.11		166.78
76	5: 7: 0	137.500	11975.69	1241.69	
77	5:37: 0	138.000	7925.17		166.78
78	6: 7: 0	138.500	11975.72	1241.72	
79	6:37: 0	139.000	7925.12		166.78
80	7: 7: 0	139.500	11975.74	1241.75	
81	7:37: 0	140.000	7925.09		166.78
82	8: 7: 0	140.500	11975.76	1241.77	
83	8:37: 0	141.000	7925.10		166.78
84	9: 7: 0	141.500	11975.79	1241.80	
85	9:37: 0	142.000	7925.09		166.78
86	10: 7: 0	142.500	11975.81	1241.83	
87	10:37: 0	143.000	7925.13		166.78
88	11: 7: 0	143.500	11975.83	1241.84	
89	11:37: 0	144.000	7925.10		166.78
90	12: 7: 0	144.500	11975.86	1241.87	
91	12:37: 0	145.000	7925.11		166.78
92	13: 7: 0	145.500	11975.88	1241.90	
93	13:37: 0	146.000	7925.13		166.78
94	14: 7: 0	146.500	11975.90	1241.91	
95	14:37: 0	147.000	7925.12		166.78
96	15: 7: 0	147.500	11975.93	1241.95	
97	15:37: 0	148.000	7925.12		166.78
98	16: 7: 0	148.500	11975.95	1241.97	
99	16:37: 0	149.000	7925.16		166.78
100	17: 7: 0	149.500	11975.98	1242.00	

DATE: 5/14/87
GAUGE SN #69885
WELL # 0
TEST # 05

COMPANY: BMG
CLIENT:
WELL NAME: 8-32
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7300' GL

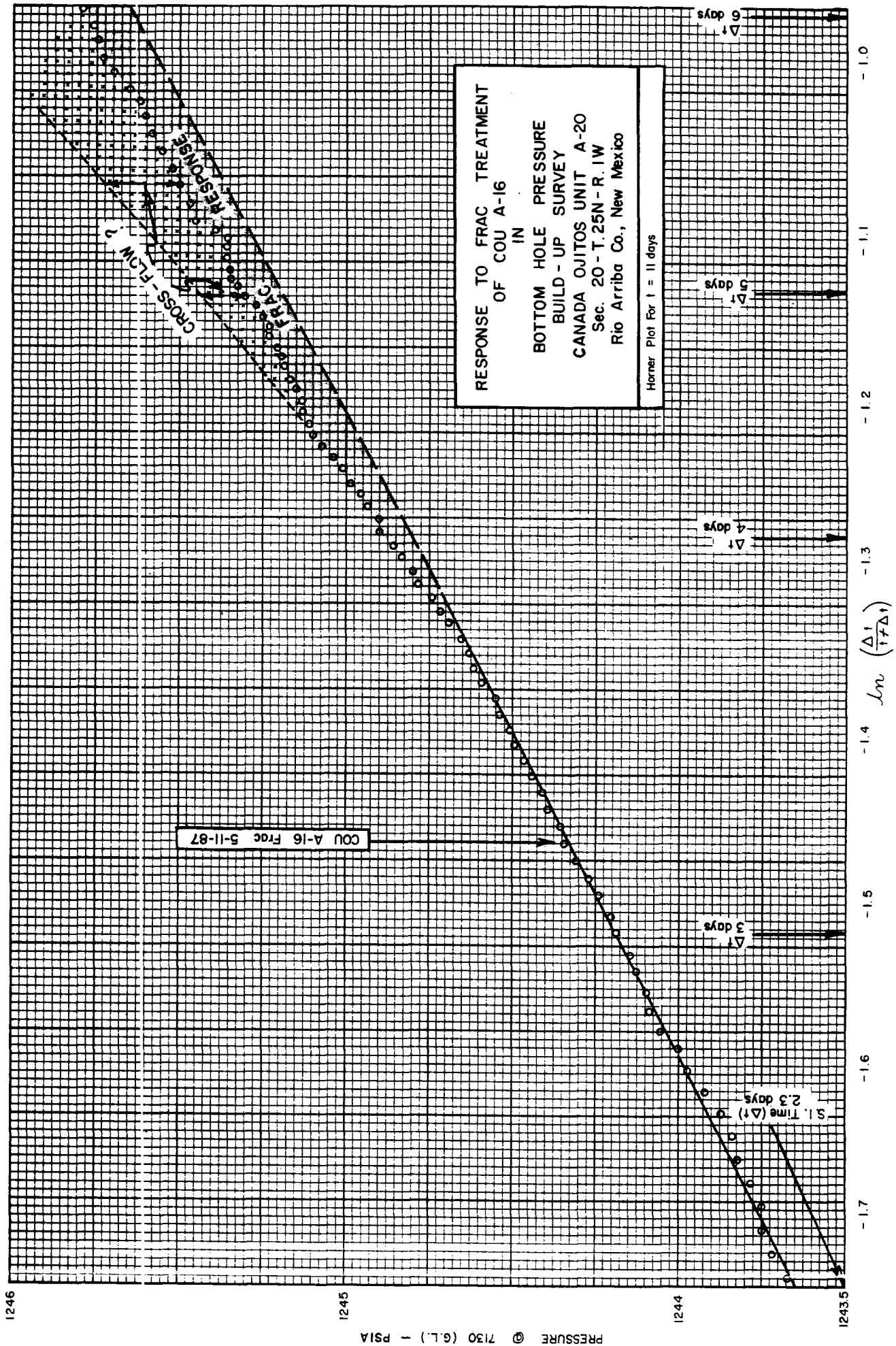
DATA FILE: 1

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	17:37: 0	150.000	7925.09		166.78
2	18: 7: 0	150.500	11976.00	1242.03	
3	18:37: 0	151.000	7925.13		166.78
4	19: 7: 0	151.500	11976.04	1242.06	
5	19:37: 0	152.000	7925.09		166.78
6	20: 7: 0	152.500	11976.07	1242.09	
7	20:37: 0	153.000	7925.15		166.78
8	21: 7: 0	153.500	11976.08	1242.12	
9	21:37: 0	154.000	7925.15		166.78
10	22: 7: 0	154.500	11976.11	1242.14	
11	22:37: 0	155.000	7925.09		166.78
12	23: 7: 0	155.500	11976.13	1242.16	
13	23:37: 0	156.000	7925.11		166.78
14	0: 7: 0	156.500	21719.99		4495.26
15	0:37: 0	157.000	21811.42		4508.47
16	1: 7: 0	157.500	21811.42		4508.47

EVIDENCE OF COMMUNICATION
CANADA OJITOS UNIT A-16 FRAC TREATMENT
MAY 11, 1987

As set out in the previous section, communication from the COU A-16 frac treatment of May 11, 1987 was observed in both the COU B-32 and COU A-20 wells (reference Section D, pages 1 and 2). Set out in this Section E are data for the A-20 well.

Also as noted with respect to the data for the B-32 well, all wells in Township 25 North, Range 1 West were shut in for this test.



CANADA OJITOS UNIT A-20
RESPONSE TO FRAC TREATMENT
OF CANADA OJITOS UNIT A-16
MAY 11, 1987

BOMB TIME STARTS AT 10:34 AM MAY 8, 1987
 START Δt AT TIME COU B-29 SHUT IN 7:45 AM MAY 8, 1987
 ADD 2.82 HOURS TO BOMB TIME TO GET Δt
 $t = 11$ DAYS

INSTRUMENT: GRC ELEMENT NO. 70059 SET AT 7130' GL

<u>Pressure</u> (Psia) (1)	<u>Bomb Time</u> (Hours) (2)	<u>Δt</u> (Hours) (3)	<u>$\ln \frac{\Delta t}{t + \Delta t}$</u> (4)	<u>Pressure</u> (Psia) (5)	<u>Bomb Time</u> (Hours) (6)	<u>Δt</u> (Hours) (7)	<u>$\ln \frac{\Delta t}{t + \Delta t}$</u> (8)
1242.51	28.00	30.82	-2.2582	1243.59	51.00	53.82	-1.7758
1242.62	29.00	31.82	-2.2297	1243.64	52.00	54.82	-1.7606
1242.70	30.00	32.82	-2.2021	1243.67	53.00	55.82	-1.7456
1242.76	31.00	33.82	-2.1754	1243.72	54.00	56.82	-1.7310
1242.82	32.00	34.82	-2.1496	1243.75	55.00	57.82	-1.7167
1242.87	33.00	35.82	-2.1247	1243.75	56.00	58.82	-1.7026
1242.91	34.00	36.82	-2.1005	1243.78	57.00	59.82	-1.6888
1242.96	35.00	37.82	-2.0770	1243.82	58.00	60.82	-1.6754
1243.00	36.00	38.82	-2.0542	1243.84	59.00	61.82	-1.6621
1243.05	37.00	39.82	-2.0321	1243.88	60.00	62.82	-1.6491
1243.09	38.00	40.82	-2.0105	1243.92	61.00	63.82	-1.6364
1243.13	39.00	41.82	-1.9896	1243.97	62.00	64.82	-1.6239
1243.17	40.00	42.82	-1.9693	1244.01	63.00	65.82	-1.6116
1243.21	41.00	43.82	-1.9494	1244.05	64.00	66.82	-1.5996
1243.24	42.00	44.82	-1.9301	1244.09	65.00	67.82	-1.5877
1243.28	43.00	45.82	-1.9113	1244.10	66.00	68.82	-1.5761
1243.32	44.00	46.82	-1.8929	1244.13	67.00	69.82	-1.5647
1243.38	45.00	47.82	-1.8750	1244.14	68.00	70.82	-1.5535
1243.41	46.00	48.82	-1.8575	1244.19	69.00	71.82	-1.5424
1243.45	47.00	49.82	-1.8404	1244.21	70.00	72.82	-1.5316
1243.49	48.00	50.82	-1.8237	1244.24	71.00	73.82	-1.5209
1243.52	49.00	51.82	-1.8074	1244.27	72.00	74.82	-1.5104
1243.56	50.00	52.82	-1.7914	1244.31	73.00	75.82	-1.5001

CANADA OJITOS UNIT A-20
RESPONSE TO FRAC TREATMENT
OF CANADA OJITOS UNIT A-16

PAGE 2

Pressure (Psia) (1)	Bomb Time (Hours) (2)	$\frac{\Delta t}{\ln t + \Delta t}$ (Hours) (3)	$\frac{\Delta t}{\ln t + \Delta t}$ (4)	Pressure (Psia) (5)	Bomb Time (Hours) (6)	$\frac{\Delta t}{\ln t + \Delta t}$ (Hours) (7)	$\frac{\Delta t}{\ln t + \Delta t}$ (8)
1244.34	74.00	76.82	-1.4899	1245.07	102.00	104.82	-1.2581
Start frac A-16				1245.10	103.00	105.82	-1.2513
1244.36	75.00	77.82	-1.4799	1245.11	104.00	106.82	-1.2446
1244.39	76.00	78.82	-1.4700	1245.13	105.00	107.82	-1.2379
1244.41	77.00	79.82	-1.4603	1245.13	106.00	108.82	-1.2314
1244.44	78.00	80.82	-1.4508	1245.15	107.00	109.82	-1.2249
1244.47	79.00	81.82	-1.4414	1245.17	108.00	110.82	-1.2185
1244.49	80.00	82.82	-1.4321	1245.18	109.00	111.82	-1.2122
1244.51	81.00	83.82	-1.1230	1245.19	110.00	112.82	-1.2060
1244.54	82.00	84.82	-1.4140	1245.21	111.00	113.82	-1.1998
1244.55	83.00	85.82	-1.4052	1245.23	112.00	114.82	-1.1937
1244.59	84.00	86.82	-1.3964	1245.23	113.00	115.82	-1.1877
1244.62	85.00	87.82	-1.3878	1245.25	114.00	116.82	-1.1817
1244.63	86.00	88.82	-1.3793	1245.27	115.00	117.82	-1.1758
1244.66	87.00	89.82	-1.3710	1245.30	116.00	118.82	-1.1700
1244.69	88.00	90.82	-1.3627	1245.32	117.00	119.82	-1.1642
1244.72	89.00	91.82	-1.3546	1245.34	118.00	120.82	-1.1585
1244.74	90.00	92.82	-1.3466	1245.35	119.00	121.82	-1.1528
1244.78	91.00	93.82	-1.3387	1245.36	120.00	122.82	-1.1472
1244.80	92.00	94.82	-1.3308	1245.36	121.00	123.82	-1.1417
1244.83	93.00	95.82	-1.3231	1245.36	122.00	124.82	-1.1362
1244.86	94.00	96.82	-1.3155	1245.39	123.00	125.82	-1.1308
1244.90	95.00	97.82	-1.3080	1245.40	124.00	126.82	-1.1255
1244.90	96.00	98.82	-1.3006	1245.44	126.00	128.82	-1.1149
1244.93	97.00	99.82	-1.2933	1245.50	128.00	130.82	-1.1046
1244.95	98.00	100.82	-1.2861	1245.52	130.00	132.82	-1.0945
1244.98	99.00	101.82	-1.2789	1245.55	132.00	134.82	-1.0846
1245.01	100.00	102.82	-1.2719	1245.58	134.00	136.82	-1.0748
1245.04	101.00	103.82	-1.2649	1245.60	136.00	138.82	-1.0653

CANADA OJITOS UNIT A-20
RESPONSE TO FRAC TREATMENT
OF CANADA OJITOS UNIT A-16

PAGE 3

$\frac{\text{Pressure}}{(\text{Psia})}$ (1)	Bomb Time (Hours) (2)	$\frac{\Delta t}{(\text{Hours})}$ (3)	$\ln \frac{\Delta t}{t + \Delta t}$ (4)	$\frac{\text{Pressure}}{(\text{Psia})}$ (5)	Bomb Time (Hours) (6)	$\frac{\Delta t}{(\text{Hours})}$ (7)	$\ln \frac{\Delta t}{t + \Delta t}$ (8)
1245.62	138.00	140.82	-1.0560	1245.82	152.00	154.82	-0.9952
1245.65	140.00	142.82	-1.0468	1245.85	154.00	156.82	-0.9871
1245.69	142.00	144.82	-1.0378	1245.89	156.00	158.82	-0.9792
1245.73	144.00	146.82	-1.0289	1245.89	158.00	160.82	-0.9714
1245.74	146.00	148.82	-1.0203	1245.89	160.00	162.82	-0.9637
1245.76	148.00	150.82	-1.0118	1245.91	162.00	164.82	-0.9562
1245.79	150.00	152.82	-1.0034				

DATE: 5/ 8/87
GAUGE SN #70059
WELL # 0
TEST # 103

COMPANY: BMG
CLIENT:
WELL NAME: A-20
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7130' GL

DATA FILE: 1

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	11: 4: 0	0.000	6610.22		72.82
2	11:34: 0	0.500	12044.44	14.56	
3	12: 4: 0	1.000	6619.44		73.56
4	12:34: 0	1.500	12044.37	14.55	
5	13: 4: 0	2.000	6615.30		73.23
6	13:34: 0	2.500	12044.39	14.58	
7	14: 4: 0	3.000	6617.28		73.39
8	14:34: 0	3.500	12044.34	14.52	
9	15: 4: 0	4.000	6620.49		73.64
10	15:34: 0	4.500	12044.99	15.21	
11	16: 4: 0	5.000	6813.35		89.09
12	16:34: 0	5.500	12044.47	13.99	
13	17: 4: 0	6.000	6831.92		90.58
14	17:34: 0	6.500	12044.11	13.53	
15	18: 4: 0	7.000	6881.29		94.54
16	18:34: 0	7.500	12043.48	12.58	
17	19: 4: 0	8.000	6809.13		88.75
18	19:34: 0	8.500	12043.64	13.10	
19	20: 4: 0	9.000	6732.87		82.64
20	20:34: 0	9.500	12044.17	13.94	
21	21: 4: 0	10.000	6585.39		70.84
22	21:34: 0	10.500	12044.18	14.46	
23	22: 4: 0	11.000	6544.19		67.55
24	22:34: 0	11.500	12044.10	14.51	
25	23: 4: 0	12.000	6557.73		68.63
26	23:34: 0	12.500	12044.02	14.38	
27	0: 4: 0	13.000	6560.90		68.88
28	0:34: 0	13.500	12044.02	14.37	
29	1: 4: 0	14.000	6537.68		67.03
30	1:34: 0	14.500	12044.13	14.57	
31	2: 4: 0	15.000	6510.86		64.89
32	2:34: 0	15.500	12044.22	14.76	
33	3: 4: 0	16.000	6484.73		62.80
34	3:34: 0	16.500	12044.31	14.95	
35	4: 4: 0	17.000	6461.32		60.93
36	4:34: 0	17.500	12044.39	15.11	
37	5: 4: 0	18.000	6444.02		59.55
38	5:34: 0	18.500	12044.43	15.22	
39	6: 4: 0	19.000	6453.83		60.34
40	6:34: 0	19.500	12044.06	14.78	
41	7: 4: 0	20.000	6443.79		59.53
42	7:34: 0	20.500	12045.28	16.14	
43	8: 4: 0	21.000	6393.53		55.53
44	8:34: 0	21.500	12044.82	15.81	
45	9: 4: 0	22.000	6431.23		58.53
46	9:34: 0	22.500	12042.30	12.95	
47	10: 4: 0	23.000	6505.51		64.46
48	10:34: 0	23.500	12044.07	14.62	
49	11: 4: 0	24.000	6519.05		65.54
50	11:34: 0	24.500	12901.19	1073.97	

DATE: 5/ 9/87
GAUGE SN #76059
WELL # 0
TEST # 103

COMPANY: BMG
CLIENT:
WELL NAME: A-20
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7130' GL

DATA FILE: 1

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	12: 4: 0	25.000	7727.76		162.97
52	12:34: 0	25.500	13026.72	1242.10	
53	13: 4: 0	26.000	7732.99		163.40
54	13:34: 0	26.500	13026.92	1242.36	
55	14: 4: 0	27.000	7732.91		163.39
56	14:34: 0	27.500	13027.03	1242.51	
57	15: 4: 0	28.000	7732.97		163.40
58	15:34: 0	28.500	13027.10	1242.62	
59	16: 4: 0	29.000	7733.02		163.40
60	16:34: 0	29.500	13027.16	1242.70	
61	17: 4: 0	30.000	7733.01		163.40
62	17:34: 0	30.500	13027.20	1242.76	
63	18: 4: 0	31.000	7733.00		163.40
64	18:34: 0	31.500	13027.24	1242.82	
65	19: 4: 0	32.000	7733.10		163.41
66	19:34: 0	32.500	13027.28	1242.87	
67	20: 4: 0	33.000	7733.08		163.41
68	20:34: 0	33.500	13027.31	1242.91	
69	21: 4: 0	34.000	7733.11		163.41
70	21:34: 0	34.500	13027.34	1242.96	
71	22: 4: 0	35.000	7733.21		163.42
72	22:34: 0	35.500	13027.37	1243.00	
73	23: 4: 0	36.000	7733.17		163.41
74	23:34: 0	36.500	13027.41	1243.05	
75	0: 4: 0	37.000	7733.20		163.41
76	0:34: 0	37.500	13027.43	1243.09	
77	1: 4: 0	38.000	7733.24		163.42
78	1:34: 0	38.500	13027.46	1243.13	
79	2: 4: 0	39.000	7733.22		163.42
80	2:34: 0	39.500	13027.49	1243.17	
81	3: 4: 0	40.000	7733.20		163.42
82	3:34: 0	40.500	13027.52	1243.21	
83	4: 4: 0	41.000	7733.27		163.42
84	4:34: 0	41.500	13027.54	1243.24	
85	5: 4: 0	42.000	7733.34		163.43
86	5:34: 0	42.500	13027.57	1243.28	
87	6: 4: 0	43.000	7733.31		163.42
88	6:34: 0	43.500	13027.60	1243.32	
89	7: 4: 0	44.000	7733.31		163.42
90	7:34: 0	44.500	13027.64	1243.38	
91	8: 4: 0	45.000	7733.28		163.42
92	8:34: 0	45.500	13027.66	1243.41	
93	9: 4: 0	46.000	7733.35		163.43
94	9:34: 0	46.500	13027.69	1243.45	
95	10: 4: 0	47.000	7733.33		163.43
96	10:34: 0	47.500	13027.72	1243.49	
97	11: 4: 0	48.000	7733.30		163.42
98	11:34: 0	48.500	13027.73	1243.52	
99	12: 4: 0	49.000	7733.38		163.43
100	12:34: 0	49.500	13027.77	1243.56	

DATE: 5/10/87
GAUGE SN #70059
WELL # 0
TEST # 103

COMPANY: BMG
CLIENT:
WELL NAME: A-20
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7130' GL

DATA FILE: 2

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	13: 4: 0	50.000	7733.38		163.43
2	13:34: 0	50.500	13027.78	1243.59	
3	14: 4: 0	51.000	7733.40		163.43
4	14:34: 0	51.500	13027.82	1243.64	
5	15: 4: 0	52.000	7733.38		163.43
6	15:34: 0	52.500	13027.85	1243.67	
7	16: 4: 0	53.000	7733.50		163.44
8	16:34: 0	53.500	13027.88	1243.72	
9	17: 4: 0	54.000	7733.62		163.45
10	17:34: 0	54.500	13027.90	1243.75	
11	18: 4: 0	55.000	7733.62		163.45
12	18:34: 0	55.500	13027.90	1243.75	
13	19: 4: 0	56.000	7733.72		163.46
14	19:34: 0	56.500	13027.92	1243.78	
15	20: 4: 0	57.000	7733.70		163.46
16	20:34: 0	57.500	13027.95	1243.82	
17	21: 4: 0	58.000	7733.68		163.45
18	21:34: 0	58.500	13027.96	1243.84	
19	22: 4: 0	59.000	7733.72		163.46
20	22:34: 0	59.500	13027.99	1243.88	
21	23: 4: 0	60.000	7733.74		163.46
22	23:34: 0	60.500	13028.02	1243.92	
23	0: 4: 0	61.000	7733.76		163.46
24	0:34: 0	61.500	13028.05	1243.97	
25	1: 4: 0	62.000	7733.74		163.46
26	1:34: 0	62.500	13028.09	1244.01	
27	2: 4: 0	63.000	7733.79		163.46
28	2:34: 0	63.500	13028.11	1244.05	
29	3: 4: 0	64.000	7733.88		163.47
30	3:34: 0	64.500	13028.14	1244.09	
31	4: 4: 0	65.000	7733.84		163.47
32	4:34: 0	65.500	13028.15	1244.10	
33	5: 4: 0	66.000	7733.89		163.47
34	5:34: 0	66.500	13028.16	1244.13	
35	6: 4: 0	67.000	7733.90		163.47
36	6:34: 0	67.500	13028.18	1244.14	
37	7: 4: 0	68.000	7733.88		163.47
38	7:34: 0	68.500	13028.21	1244.19	
39	8: 4: 0	69.000	7733.90		163.47
40	8:34: 0	69.500	13028.23	1244.21	
41	9: 4: 0	70.000	7733.93		163.47
42	9:34: 0	70.500	13028.25	1244.24	
43	10: 4: 0	71.000	7733.95		163.48
44	10:34: 0	71.500	13028.26	1244.27	
45	11: 4: 0	72.000	7733.95		163.48
46	11:34: 0	72.500	13028.29	1244.31	
47	12: 4: 0	73.000	7733.93		163.47
48	12:34: 0	73.500	13028.31	1244.34	
49	13: 4: 0	74.000	7733.91		163.47
50	13:34: 0	74.500	13028.33	1244.36	

DATE: 5/11/87
GAUGE SN #70059
WELL # 0
TEST # 103

DATA FILE: 2

COMPANY: BMG
CLIENT:
WELL NAME: A-20
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7130' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	14: 4: 0	75.000	7733.92		163.47
52	14:34: 0	75.500	13028.35	1244.39	
53	15: 4: 0	76.000	7733.98		163.47
54	15:34: 0	76.500	13028.37	1244.41	
55	16: 4: 0	77.000	7733.91		163.47
56	16:34: 0	77.500	13028.38	1244.44	
57	17: 4: 0	78.000	7733.98		163.47
58	17:34: 0	78.500	13028.40	1244.47	
59	18: 4: 0	79.000	7733.94		163.48
60	18:34: 0	79.500	13028.42	1244.49	
61	19: 4: 0	80.000	7733.95		163.48
62	19:34: 0	80.500	13028.43	1244.51	
63	20: 4: 0	81.000	7734.02		163.48
64	20:34: 0	81.500	13028.45	1244.54	
65	21: 4: 0	82.000	7734.01		163.48
66	21:34: 0	82.500	13028.47	1244.55	
67	22: 4: 0	83.000	7734.07		163.49
68	22:34: 0	83.500	13028.49	1244.59	
69	23: 4: 0	84.000	7734.06		163.49
70	23:34: 0	84.500	13028.51	1244.62	
71	0: 4: 0	85.000	7734.07		163.49
72	0:34: 0	85.500	13028.52	1244.63	
73	1: 4: 0	86.000	7734.06		163.49
74	1:34: 0	86.500	13028.54	1244.66	
75	2: 4: 0	87.000	7734.12		163.49
76	2:34: 0	87.500	13028.56	1244.69	
77	3: 4: 0	88.000	7734.18		163.49
78	3:34: 0	88.500	13028.58	1244.72	
79	4: 4: 0	89.000	7734.12		163.49
80	4:34: 0	89.500	13028.60	1244.74	
81	5: 4: 0	90.000	7734.12		163.49
82	5:34: 0	90.500	13028.63	1244.78	
83	6: 4: 0	91.000	7734.20		163.50
84	6:34: 0	91.500	13028.64	1244.80	
85	7: 4: 0	92.000	7734.20		163.50
86	7:34: 0	92.500	13028.66	1244.83	
87	8: 4: 0	93.000	7734.21		163.50
88	8:34: 0	93.500	13028.68	1244.86	
89	9: 4: 0	94.000	7734.24		163.50
90	9:34: 0	94.500	13028.71	1244.90	
91	10: 4: 0	95.000	7734.23		163.50
92	10:34: 0	95.500	13028.71	1244.90	
93	11: 4: 0	96.000	7734.23		163.50
94	11:34: 0	96.500	13028.73	1244.93	
95	12: 4: 0	97.000	7734.27		163.50
96	12:34: 0	97.500	13028.74	1244.95	
97	13: 4: 0	98.000	7734.32		163.51
98	13:34: 0	98.500	13028.77	1244.98	
99	14: 4: 0	99.000	7734.30		163.50
100	14:34: 0	99.500	13028.79	1245.01	

DATE: 5/12/87
GAUGE SN #70059
WELL # 0
TEST # 103

DATA FILE: 3

COMPANY: BMG
CLIENT:
WELL NAME: A-20
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7130' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	15: 4: 0	100.000	7734.36		163.51
2	15:34: 0	100.500	13028.91	1245.04	
3	16: 4: 0	101.000	7734.41		163.51
4	16:34: 0	101.500	13028.83	1245.07	
5	17: 4: 0	102.000	7734.36		163.51
6	17:34: 0	102.500	13028.85	1245.10	
7	18: 4: 0	103.000	7734.39		163.51
8	18:34: 0	103.500	13028.86	1245.11	
9	19: 4: 0	104.000	7734.39		163.51
10	19:34: 0	104.500	13028.87	1245.13	
11	20: 4: 0	105.000	7734.45		163.52
12	20:34: 0	105.500	13028.87	1245.13	
13	21: 4: 0	106.000	7734.45		163.52
14	21:34: 0	106.500	13028.88	1245.15	
15	22: 4: 0	107.000	7734.45		163.52
16	22:34: 0	107.500	13028.90	1245.17	
17	23: 4: 0	108.000	7734.47		163.52
18	23:34: 0	108.500	13028.91	1245.18	
19	0: 4: 0	109.000	7734.52		163.52
20	0:34: 0	109.500	13028.91	1245.19	
21	1: 4: 0	110.000	7734.46		163.52
22	1:34: 0	110.500	13028.93	1245.21	
23	2: 4: 0	111.000	7734.56		163.53
24	2:34: 0	111.500	13028.94	1245.23	
25	3: 4: 0	112.000	7734.55		163.52
26	3:34: 0	112.500	13028.94	1245.23	
27	4: 4: 0	113.000	7734.51		163.52
28	4:34: 0	113.500	13028.96	1245.25	
29	5: 4: 0	114.000	7734.52		163.52
30	5:34: 0	114.500	13028.97	1245.27	
31	6: 4: 0	115.000	7734.55		163.52
32	6:34: 0	115.500	13028.99	1245.30	
33	7: 4: 0	116.000	7734.59		163.53
34	7:34: 0	116.500	13029.01	1245.32	
35	8: 4: 0	117.000	7734.64		163.53
36	8:34: 0	117.500	13029.02	1245.34	
37	9: 4: 0	118.000	7734.59		163.53
38	9:34: 0	118.500	13029.02	1245.35	
39	10: 4: 0	119.000	7734.61		163.53
40	10:34: 0	119.500	13029.03	1245.36	
41	11: 4: 0	120.000	7734.70		163.54
42	11:34: 0	120.500	13029.03	1245.36	
43	12: 4: 0	121.000	7734.61		163.53
44	12:34: 0	121.500	13029.03	1245.36	
45	13: 4: 0	122.000	7734.67		163.53
46	13:34: 0	122.500	13029.05	1245.39	
47	14: 4: 0	123.000	7734.68		163.54
48	14:34: 0	123.500	13029.06	1245.40	
49	15: 4: 0	124.000	7734.68		163.54
50	15:34: 0	124.500	13029.08	1245.43	

DATE: 5/13/87
GAUGE SN #70059
WELL # 0
TEST # 103

COMPANY: BMG
CLIENT:
WELL NAME: A-20'
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: SHP @ 7130' GL

DATA FILE: 3

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	16: 4: 0	125.000	7734.68		163.54
52	16:34: 0	125.500	13029.09	1245.44	
53	17: 4: 0	126.000	7734.74		163.54
54	17:34: 0	126.500	13029.11	1245.47	
55	18: 4: 0	127.000	7734.69		163.54
56	18:34: 0	127.500	13029.13	1245.50	
57	19: 4: 0	128.000	7734.73		163.54
58	19:34: 0	128.500	13029.14	1245.51	
59	20: 4: 0	129.000	7734.74		163.54
60	20:34: 0	129.500	13029.15	1245.52	
61	21: 4: 0	130.000	7734.83		163.55
62	21:34: 0	130.500	13029.15	1245.53	
63	22: 4: 0	131.000	7734.83		163.55
64	22:34: 0	131.500	13029.16	1245.55	
65	23: 4: 0	132.000	7734.83		163.55
66	23:34: 0	132.500	13029.17	1245.56	
67	0: 4: 0	133.000	7734.84		163.55
68	0:34: 0	133.500	13029.19	1245.58	
69	1: 4: 0	134.000	7734.89		163.55
70	1:34: 0	134.500	13029.19	1245.58	
71	2: 4: 0	135.000	7734.91		163.55
72	2:34: 0	135.500	13029.20	1245.60	
73	3: 4: 0	136.000	7734.88		163.55
74	3:34: 0	136.500	13029.21	1245.62	
75	4: 4: 0	137.000	7734.93		163.56
76	4:34: 0	137.500	13029.22	1245.62	
77	5: 4: 0	138.000	7734.94		163.56
78	5:34: 0	138.500	13029.23	1245.64	
79	6: 4: 0	139.000	7734.99		163.56
80	6:34: 0	139.500	13029.24	1245.65	
81	7: 4: 0	140.000	7734.98		163.56
82	7:34: 0	140.500	13029.24	1245.66	
83	8: 4: 0	141.000	7734.99		163.56
84	8:34: 0	141.500	13029.26	1245.69	
85	9: 4: 0	142.000	7734.99		163.56
86	9:34: 0	142.500	13029.27	1245.70	
87	10: 4: 0	143.000	7735.01		163.56
88	10:34: 0	143.500	13029.29	1245.73	
89	11: 4: 0	144.000	7735.05		163.57
90	11:34: 0	144.500	13029.29	1245.73	
91	12: 4: 0	145.000	7735.07		163.57
92	12:34: 0	145.500	13029.30	1245.74	
93	13: 4: 0	146.000	7735.03		163.56
94	13:34: 0	146.500	13029.31	1245.75	
95	14: 4: 0	147.000	7735.08		163.57
96	14:34: 0	147.500	13029.31	1245.76	
97	15: 4: 0	148.000	7735.07		163.57
98	15:34: 0	148.500	13029.32	1245.78	
99	16: 4: 0	149.000	7735.15		163.57
100	16:34: 0	149.500	13029.34	1245.79	

DATE: 5/14/87
GAUGE SN #70059
WELL # 0
TEST # 103

COMPANY: BMG
CLIENT:
WELL NAME: A-20
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7130' SL

DATA FILE: -

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	17: 4: 0	150.000	7735.14		163.57
2	17:34: 0	150.500	13029.34	1245.80	
3	18: 4: 0	151.000	7735.13		163.57
4	18:34: 0	151.500	13029.36	1245.82	
5	19: 4: 0	152.000	7735.17		163.58
6	19:34: 0	152.500	13029.38	1245.85	
7	20: 4: 0	153.000	7735.18		163.58
8	20:34: 0	153.500	13029.38	1245.85	
9	21: 4: 0	154.000	7735.21		163.58
10	21:34: 0	154.500	13029.39	1245.86	
11	22: 4: 0	155.000	7735.17		163.58
12	22:34: 0	155.500	13029.40	1245.89	
13	23: 4: 0	156.000	7735.22		163.58
14	23:34: 0	156.500	13029.40	1245.89	
15	0: 4: 0	157.000	7735.25		163.58
16	0:34: 0	157.500	13029.40	1245.89	
17	1: 4: 0	158.000	7735.18		163.58
18	1:34: 0	158.500	13029.40	1245.88	
19	2: 4: 0	159.000	7735.20		163.58
20	2:34: 0	159.500	13029.41	1245.89	
21	3: 4: 0	160.000	7735.21		163.58
22	3:34: 0	160.500	13029.41	1245.89	
23	4: 4: 0	161.000	7735.20		163.58
24	4:34: 0	161.500	13029.42	1245.91	
25	5: 4: 0	162.000	21811.42		4332.46
26	5:34: 0	162.500	21811.42		4332.46
27	6: 4: 0	163.000	21811.42		4332.46
28	6:34: 0	163.500	21811.42		4332.46
29	7: 4: 0	164.000	21811.42		4332.46

EVIDENCE OF COMMUNICATION
CANADA OJITOS UNIT D-17 FRAC TREATMENT
MAY 27, 1987

Evidence of communication in the area described by the orange lines on the plat on the facing page has been provided the Oil Conservation Division in numerous reports, studies and hearings; and summarized briefly in Case 9113 held March 30, 1987.

Evidence of communication west of and across the postulated area of permeability restriction (stippled area on plat) was presented in Cases 8946 and 8950 in August 1986 and in Case 9113 in March 1987.

Wells drilled early in the history of the Gavilan area showed pressures less than virgin, implying communication across the entire area; but no direct "cause and effect" examples of communication tying the east and west areas together have been presented to the Oil Conservation Division prior to this Case 9111.

Described in Sections B and C herein is evidence of direct cause and effect communication between the east and west areas as demonstrated by frac treatment in the C-34 (junction of lower blue lines on plat) April 23, 1987 with responses in the B-29 and B-32 wells to the west.

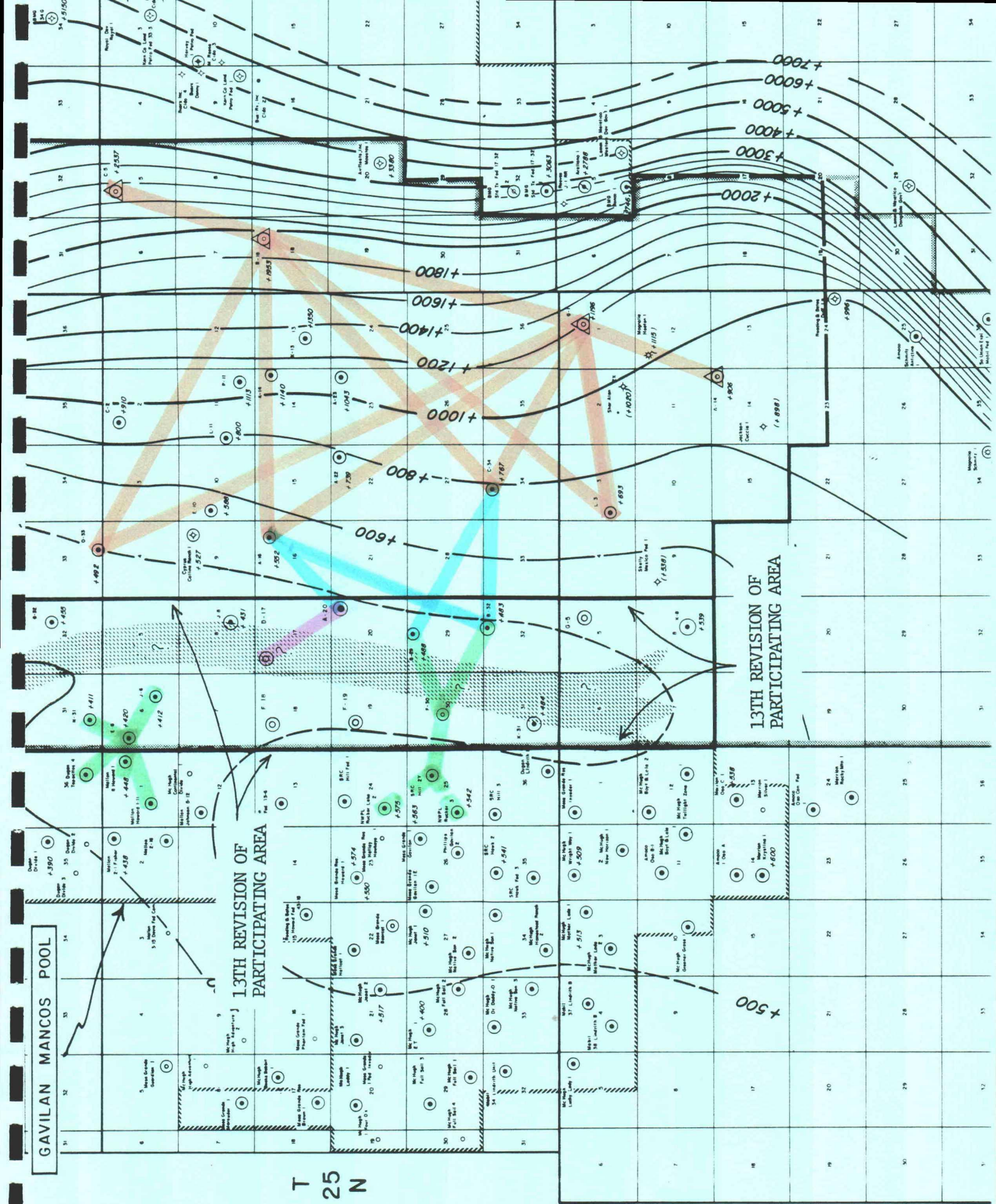
Described in Sections D and E herein is evidence of direct cause and effect communication between the east and west areas which is demonstrated by frac treatment in the A-16 well (junction of upper blue lines on plat) May 11, 1987 with responses in the A-20 and B-32 wells to the southwest.

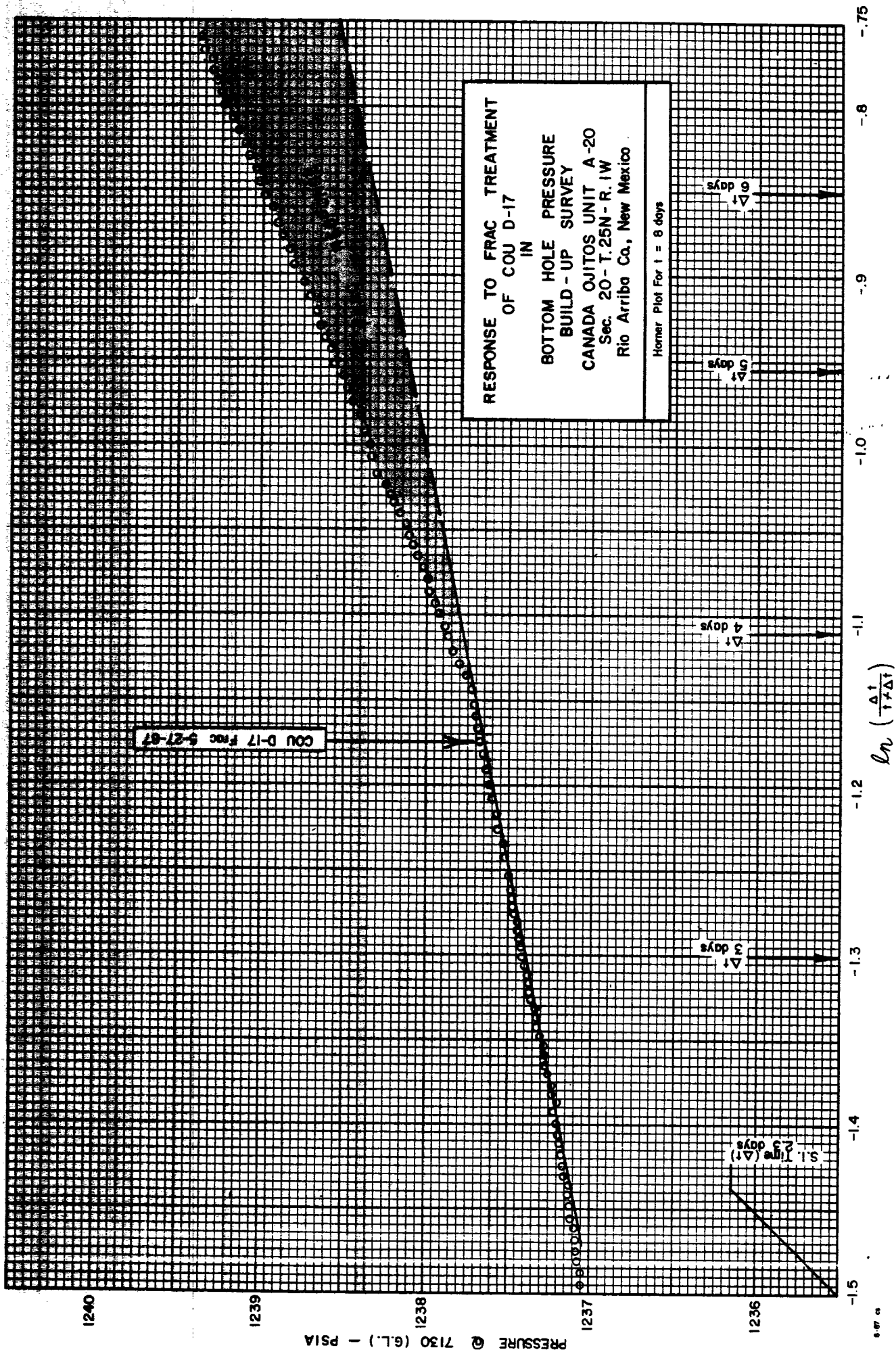
Described in this Section F is evidence of direct cause and effect communication across the postulated area of permeability restriction near the north-south center of the township which is demonstrated by frac treatment in the D-17 well (pink line on plat) May 27, 1987 with response in the A-20 well.

Frac treatment was in the A, B and C zones in the D-17. All three (A, B and C) zones were open in the observation well.

To minimize extraneous interference effects, except for Section 31, all wells in Township 25 North, Range 1 West were shut in during this test.

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CANADA OUTPOST UNIT A-20
RESPONSE TO PNEC INCIDENT
OF CANADA OUTPOST UNIT D-17
MAY 27, 1987

BOMB TIME STARTS AT 15:54 PM MAY 24, 1987
 OCU B-29 SHUT IN AT 7:00 PM ON MAY 23, 1987
 ADD 20.9 HOURS TO BOMB TIME TO GET Δt
 PRODUCING TIME, t , PRIOR TO SHUT IN 8 DAYS

INSTRUMENT: GRC ELEMENT NO. 70059 SET AT 7130' GL

Pressure (Psia) (1)	Bomb Time (Hours) (2)	$\frac{\Delta t}{\text{(Hours)}}$ (3)	$\ln \frac{\Delta t}{t + \Delta t}$ (4)	Pressure (Psia) (5)	Bomb Time (Hours) (6)	$\frac{\Delta t}{\text{(Hours)}}$ (7)	$\ln \frac{\Delta t}{t + \Delta t}$ (8)
1236.28	20.0	40.9	-1.739	1236.96	31.5	52.4	-1.540
1236.45	20.5	41.4	-1.729	1236.96	32.0	52.9	-1.532
1236.56	21.0	41.9	-1.720	1236.99	32.5	53.4	-1.525
1236.65	21.5	42.4	-1.710	1237.00	33.0	53.9	-1.518
1236.71	22.0	42.9	-1.700	1237.00	33.5	54.4	-1.511
1236.74	22.5	43.4	-1.691	1237.02	34.0	54.9	-1.503
1236.77	23.0	43.9	-1.681	1237.04	34.5	55.4	-1.496
1236.79	23.5	44.4	-1.672	1237.05	35.0	55.9	-1.489
1236.80	24.0	44.9	-1.663	1237.06	35.5	56.4	-1.483
1236.81	24.5	45.4	-1.654	1237.07	36.0	56.9	-1.476
1236.82	25.0	45.9	-1.645	1237.08	36.5	57.4	-1.469
1236.85	25.5	46.4	-1.637	1237.09	37.0	57.9	-1.462
1236.85	26.0	46.9	-1.628	1237.11	37.5	58.4	-1.456
1236.87	26.5	47.4	-1.620	1237.12	38.0	58.9	-1.449
1236.87	27.0	47.9	-1.611	1237.13	38.5	59.4	-1.443
1236.88	27.5	48.4	-1.603	1237.12	39.0	59.9	-1.436
1236.89	28.0	48.9	-1.595	1237.15	39.5	60.4	-1.430
1236.89	28.5	49.4	-1.587	1237.16	40.0	60.9	-1.424
1236.91	29.0	49.9	-1.579	1237.17	40.5	61.4	-1.418
1236.92	29.5	50.4	-1.571	1237.18	41.0	61.9	-1.411
1236.93	30.0	50.9	-1.563	1237.19	41.5	62.4	-1.405
1236.93	30.5	51.4	-1.555	1237.20	42.0	62.9	-1.399
1236.96	31.0	51.9	-1.547	1237.22	42.5	63.4	-1.393

CANADA OUTTOS UNIT A-20
RESPONSE TO FRAC TREATMENT
OF CANADA OUTTOS UNIT D-17

PAGE 2

Pressure (Psia) (1)	Bomb Time (Hours) (2)	$\frac{\Delta t}{\ln t + \Delta t}$ (3)	$\frac{\Delta t}{\ln t + \Delta t}$ (4)	Pressure (Psia) (5)	Bomb Time (Hours) (6)	$\frac{\Delta t}{\ln t + \Delta t}$ (7)	$\frac{\Delta t}{\ln t + \Delta t}$ (8)
1237.20	43.0	63.9	-1.387	1237.57	60.0	80.9	-1.216
1237.23	43.5	64.4	-1.382	1237.60	61.0	81.9	-1.207
1237.23	44.0	64.9	-1.376	1237.62	62.0	82.9	-1.199
1237.26	44.5	65.4	-1.370	1237.64	63.0	83.9	-1.190
1237.27	45.0	65.9	-1.364	1237.66	64.0	84.9	-1.182
1237.27	45.5	66.4	-1.359	1237.68	65.0	85.9	-1.174
1237.28	46.0	66.9	-1.353	Start frac D-17			
1237.30	46.5	67.4	-1.348	1237.69	66.0	86.9	-1.166
1237.32	47.0	67.9	-1.342	1237.70	67.0	87.9	-1.158
1237.33	47.5	68.4	-1.337	1237.72	68.0	88.9	-1.150
1237.34	48.0	68.9	-1.331	1237.73	69.0	89.9	-1.143
1237.35	48.5	69.4	-1.326	1237.76	70.0	90.9	-1.135
1237.38	49.0	69.9	-1.321	1237.80	71.0	91.9	-1.128
1237.38	49.5	70.4	-1.316	1237.84	72.0	92.9	-1.121
1237.38	50.0	70.9	-1.311	1237.87	73.0	93.9	-1.113
1237.40	50.5	71.4	-1.305	1237.89	74.0	94.9	-1.106
1237.42	51.0	71.9	-1.300	1237.93	75.0	95.9	-1.099
1237.42	51.5	72.4	-1.295	1237.95	76.0	96.9	-1.092
1237.43	52.0	72.9	-1.290	1237.98	77.0	97.9	-1.086
1237.44	52.5	73.4	-1.285	1238.01	78.0	98.9	-1.079
1237.44	53.0	73.9	-1.280	1238.03	79.0	99.9	-1.072
1237.46	53.5	74.4	-1.276	1238.06	80.0	100.9	-1.066
1237.47	54.0	74.9	-1.271	1238.09	81.0	101.9	-1.059
1237.48	54.5	75.4	-1.266	1238.12	82.0	102.9	-1.053
1237.49	55.0	75.9	-1.261	1238.14	83.0	103.9	-1.047
1237.49	56.0	76.9	-1.252	1238.18	84.0	104.9	-1.040
1237.52	57.0	77.9	-1.243	1238.20	85.0	105.9	-1.034
1237.53	58.0	78.9	-1.234	1238.23	86.0	106.9	-1.028
1237.57	59.0	79.9	-1.225	1238.26	87.0	107.9	-1.022

CANADA OJITOS UNIT A-20
RESPONSE TO FRAC TREATMENT
OF CANADA OJITOS UNIT D-17

PAGE 3

Pressure (Psia) (1)	Bomb Time (Hours) (2)	$\frac{\Delta t}{t + \Delta t}$ (Hours) (3)	$\ln \frac{\Delta t}{t + \Delta t}$ (4)	Pressure (Psia) (5)	Bomb Time (Hours) (6)	$\frac{\Delta t}{t + \Delta t}$ (Hours) (7)	$\ln \frac{\Delta t}{t + \Delta t}$ (8)
1238.30	88.0	108.9	-1.016	1238.88	116.0	136.9	-0.877
1238.31	89.0	109.9	-1.011	1238.91	118.0	138.9	-0.868
1238.34	90.0	110.9	-1.005	1238.94	120.0	140.9	-0.860
1238.34	91.0	111.9	-0.999	1238.99	122.0	142.9	-0.852
1238.38	92.5	113.4	-0.991	1239.02	124.0	144.9	-0.844
1238.42	94.0	114.9	-0.982	1239.05	126.0	146.9	-0.836
1238.46	95.5	116.4	-0.974	1239.09	128.0	148.9	-0.828
1238.49	97.0	117.9	-0.966	1239.11	130.0	150.9	-0.821
1238.53	98.5	119.4	-0.959	1239.15	132.0	152.9	-0.813
1238.57	100.0	120.9	-0.951	1239.19	134.0	154.9	-0.806
1238.59	101.5	122.4	-0.943	1239.24	136.0	156.9	-0.799
1238.63	103.0	123.9	-0.936	1239.26	138.0	158.9	-0.792
1238.65	104.5	125.4	-0.929	1239.28	140.0	160.9	-0.785
1238.68	106.0	126.9	-0.921	1239.30	142.0	162.9	-0.779
1238.72	108.0	128.9	-0.912	1239.31	144.0	164.9	-0.772
1238.76	110.0	130.9	-0.903	1239.37	146.0	166.9	-0.766
1238.82	112.0	132.9	-0.894	1239.38	148.0	168.9	-0.759
1238.84	114.0	134.9	-0.885				

DATE: 5/24/87
GAUGE SN #70059
WELL # 0
TEST # 109

COMPANY: BMG
CLIENT:
WELL NAME: A-20
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7150' GL

DATA FILE: 1

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	16: 9: 0	0.000	6582.10		70.58
2	16:24: 0	0.250	12044.49	14.90	
3	16:39: 0	0.500	6573.42		69.88
4	16:54: 0	0.750	12044.45	14.80	
5	17: 9: 0	1.000	6627.24		74.18
6	17:24: 0	1.250	12044.58	14.74	
7	17:39: 0	1.500	6634.46		74.76
8	17:54: 0	1.750	12044.67	14.82	
9	18: 9: 0	2.000	6630.25		74.42
10	18:24: 0	2.250	12044.74	14.91	
11	18:39: 0	2.500	6626.21		74.10
12	18:54: 0	2.750	12046.84	17.21	
13	19: 9: 0	3.000	6620.88		73.57
14	19:24: 0	3.250	12044.85	15.06	
15	19:39: 0	3.500	6618.76		73.51
16	19:54: 0	3.750	12044.84	15.06	
17	20: 9: 0	4.000	6616.25		73.30
18	20:24: 0	4.250	12044.86	15.20	
19	20:39: 0	4.500	6608.81		72.71
20	20:54: 0	4.750	12045.14	15.42	
21	21: 9: 0	5.000	6597.49		71.91
22	21:24: 0	5.250	12045.31	15.65	
23	21:39: 0	5.500	6583.67		70.70
24	21:54: 0	5.750	12045.49	15.89	
25	22: 9: 0	6.000	6568.24		69.47
26	22:24: 0	6.250	12045.65	16.12	
27	22:39: 0	6.500	6551.64		68.14
28	22:54: 0	6.750	12045.79	16.32	
29	23: 9: 0	7.000	6535.02		66.81
30	23:24: 0	7.250	12045.93	16.53	
31	23:39: 0	7.500	6518.04		65.46
32	23:54: 0	7.750	12046.03	16.70	
33	0: 9: 0	8.000	6501.79		64.16
34	0:24: 0	8.250	12046.09	16.82	
35	0:39: 0	8.500	6486.93		62.98
36	0:54: 0	8.750	12046.16	16.94	
37	1: 9: 0	9.000	6472.59		61.83
38	1:24: 0	9.250	12046.21	17.05	
39	1:39: 0	9.500	6459.00		60.75
40	1:54: 0	9.750	12046.27	17.16	
41	2: 9: 0	10.000	6446.09		59.72
42	2:24: 0	10.250	12046.32	17.26	
43	2:39: 0	10.500	6433.61		58.72
44	2:54: 0	10.750	12046.32	17.30	
45	3: 9: 0	11.000	6421.02		57.72
46	3:24: 0	11.250	12046.35	17.38	
47	3:39: 0	11.500	6409.41		56.80
48	3:54: 0	11.750	12046.36	17.43	
49	4: 9: 0	12.000	6398.77		55.95
50	4:24: 0	12.250	12046.36	17.46	

DATE: 5/25/37
GAUGE SN #70059
WELL # 0
TEST # 109

COMPANY: BMG
CLIENT:
WELL NAME: A-20
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7130' GL

DATA FILE: 1

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	4:39: 0	12.500	6389.40		55.20
52	4:54: 0	12.750	12046.37	17.51	
53	5: 9: 0	13.000	6380.08		54.46
54	5:24: 0	13.250	12046.40	17.58	
55	5:39: 0	13.500	6362.53		53.06
56	5:54: 0	13.750	12045.66	16.84	
57	6: 9: 0	14.000	6356.53		52.58
58	6:24: 0	14.250	634.39	15507.69	
59	6:39: 0	14.500	6343.55		51.55
60	6:54: 0	14.750	12045.37	16.58	
61	7: 9: 0	15.000	6338.74		51.17
62	7:24: 0	15.250	12045.54	16.78	
63	7:39: 0	15.500	6344.52		51.63
64	7:54: 0	15.750	12045.80	17.05	
65	8: 9: 0	16.000	6423.34		57.90
66	8:24: 0	16.250	12045.03	15.94	
67	8:39: 0	16.500	6454.51		60.39
68	8:54: 0	16.750	12044.45	15.20	
69	9: 9: 0	17.000	6460.85		60.90
70	9:24: 0	17.250	12044.40	15.12	
71	9:39: 0	17.500	6520.89		65.69
72	9:54: 0	17.750	12043.88	14.36	
73	10: 9: 0	18.000	6528.71		66.31
74	10:24: 0	18.250	12044.82	15.34	
75	10:39: 0	18.500	6707.42		80.60
76	10:54: 0	18.750	12981.11	1184.56	
77	11: 9: 0	19.000	7734.24		163.50
78	11:24: 0	19.250	13022.46	1235.99	
79	11:39: 0	19.500	7737.15		163.74
80	11:54: 0	19.750	13022.67	1236.28	
81	12: 9: 0	20.000	7737.38		163.76
82	12:24: 0	20.250	13022.78	1236.45	
83	12:39: 0	20.500	7737.54		163.77
84	12:54: 0	20.750	13022.86	1236.56	
85	13: 9: 0	21.000	7737.54		163.77
86	13:24: 0	21.250	13022.92	1236.65	
87	13:39: 0	21.500	7737.63		163.78
88	13:54: 0	21.750	13022.97	1236.71	
89	14: 9: 0	22.000	7737.62		163.77
90	14:24: 0	22.250	13022.99	1236.74	
91	14:39: 0	22.500	7737.65		163.78
92	14:54: 0	22.750	13023.01	1236.77	
93	15: 9: 0	23.000	7737.66		163.78
94	15:24: 0	23.250	13023.02	1236.79	
95	15:39: 0	23.500	7737.72		163.78
96	15:54: 0	23.750	13023.03	1236.80	
97	16: 9: 0	24.000	7737.73		163.78
98	16:24: 0	24.250	13023.04	1236.81	
99	16:39: 0	24.500	7737.73		163.78
100	16:54: 0	24.750	13023.05	1236.82	

DATE: 5/25/87
GAUGE SN #70059
WELL # 0
TEST # 109

COMPANY: BMG
CLIENT:
WELL NAME: A-20
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' SL

DATA FILE: 2

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	17: 9: 0	25.000	7737.76		163.79
2	17:24: 0	25.250	13023.07	1236.85	
3	17:39: 0	25.500	7737.76		163.79
4	17:54: 0	25.750	13023.07	1236.85	
5	18: 9: 0	26.000	7737.85		163.79
6	18:24: 0	26.250	13023.07	1236.85	
7	18:39: 0	26.500	7737.81		163.79
8	18:54: 0	26.750	13023.08	1236.87	
9	19: 9: 0	27.000	7737.90		163.80
10	19:24: 0	27.250	13023.09	1236.88	
11	19:39: 0	27.500	7737.82		163.79
12	19:54: 0	27.750	13023.09	1236.89	
13	20: 9: 0	28.000	7737.88		163.80
14	20:24: 0	28.250	13023.10	1236.89	
15	20:39: 0	28.500	7737.89		163.80
16	20:54: 0	28.750	13023.11	1236.91	
17	21: 9: 0	29.000	7737.90		163.80
18	21:24: 0	29.250	13023.11	1236.92	
19	21:39: 0	29.500	7737.89		163.80
20	21:54: 0	29.750	13023.13	1236.93	
21	22: 9: 0	30.000	7737.86		163.79
22	22:24: 0	30.250	13023.13	1236.93	
23	22:39: 0	30.500	7737.90		163.80
24	22:54: 0	30.750	13023.15	1236.96	
25	23: 9: 0	31.000	7737.94		163.80
26	23:24: 0	31.250	13023.15	1236.96	
27	23:39: 0	31.500	7737.91		163.80
28	23:54: 0	31.750	13023.15	1236.96	
29	0: 9: 0	32.000	7737.90		163.80
30	0:24: 0	32.250	13023.16	1236.99	
31	0:39: 0	32.500	7737.95		163.80
32	0:54: 0	32.750	13023.17	1237.00	
33	1: 9: 0	33.000	7737.95		163.80
34	1:24: 0	33.250	13023.18	1237.00	
35	1:39: 0	33.500	7737.95		163.80
36	1:54: 0	33.750	13023.19	1237.02	
37	2: 9: 0	34.000	7737.97		163.80
38	2:24: 0	34.250	13023.20	1237.04	
39	2:39: 0	34.500	7737.99		163.80
40	2:54: 0	34.750	13023.21	1237.05	
41	3: 9: 0	35.000	7737.96		163.80
42	3:24: 0	35.250	13023.21	1237.06	
43	3:39: 0	35.500	7737.98		163.80
44	3:54: 0	35.750	13023.22	1237.07	
45	4: 9: 0	36.000	7738.01		163.81
46	4:24: 0	36.250	13023.23	1237.08	
47	4:39: 0	36.500	7738.08		163.81
48	4:54: 0	36.750	13023.24	1237.09	
49	5: 9: 0	37.000	7738.03		163.81
50	5:24: 0	37.250	13023.25	1237.11	

DATE: 5/25/37
GAUGE SN #70059
WELL # 0
TEST # 109

COMPANY: BMG
CLIENT:
WELL NAME: A-20
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7130' GL

DATA FILE: 2

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	5:39: 0	37.500	7738.05		163.81
52	5:54: 0	37.750	13023.25	1237.12	
53	6: 9: 0	38.000	7738.05		163.81
54	6:24: 0	38.250	13023.26	1237.13	
55	6:39: 0	38.500	7738.01		163.81
56	6:54: 0	38.750	13023.26	1237.12	
57	7: 9: 0	39.000	7738.10		163.81
58	7:24: 0	39.250	13023.28	1237.15	
59	7:39: 0	39.500	7738.06		163.81
60	7:54: 0	39.750	13023.29	1237.16	
61	8: 9: 0	40.000	7738.15		163.82
62	8:24: 0	40.250	13023.29	1237.17	
63	8:39: 0	40.500	7738.10		163.81
64	8:54: 0	40.750	13023.30	1237.18	
65	9: 9: 0	41.000	7738.12		163.82
66	9:24: 0	41.250	13023.30	1237.19	
67	9:39: 0	41.500	7738.16		163.82
68	9:54: 0	41.750	13023.31	1237.20	
69	10: 9: 0	42.000	7738.18		163.82
70	10:24: 0	42.250	13023.33	1237.22	
71	10:39: 0	42.500	7738.14		163.82
72	10:54: 0	42.750	13023.31	1237.20	
73	11: 9: 0	43.000	7738.18		163.82
74	11:24: 0	43.250	13023.34	1237.23	
75	11:39: 0	43.500	7738.25		163.83
76	11:54: 0	43.750	13023.34	1237.23	
77	12: 9: 0	44.000	7738.21		163.82
78	12:24: 0	44.250	13023.35	1237.26	
79	12:39: 0	44.500	7738.19		163.82
80	12:54: 0	44.750	13023.36	1237.27	
81	13: 9: 0	45.000	7738.23		163.82
82	13:24: 0	45.250	13023.37	1237.27	
83	13:39: 0	45.500	7738.25		163.83
84	13:54: 0	45.750	13023.37	1237.28	
85	14: 9: 0	46.000	7738.28		163.83
86	14:24: 0	46.250	13023.38	1237.30	
87	14:39: 0	46.500	7738.29		163.83
88	14:54: 0	46.750	13023.40	1237.32	
89	15: 9: 0	47.000	7738.29		163.83
90	15:24: 0	47.250	13023.40	1237.33	
91	15:39: 0	47.500	7738.33		163.83
92	15:54: 0	47.750	13023.42	1237.34	
93	16: 9: 0	48.000	7738.35		163.83
94	16:24: 0	48.250	13023.42	1237.35	
95	16:39: 0	48.500	7738.35		163.83
96	16:54: 0	48.750	13023.44	1237.38	
97	17: 9: 0	49.000	7738.32		163.83
98	17:24: 0	49.250	13023.44	1237.38	
99	17:39: 0	49.500	7738.33		163.83
100	17:54: 0	49.750	13023.44	1237.38	

DATE: 5/26/87
GAUGE SN #70059
WELL # 0
TEST # 109

COMPANY: BMO
CLIENT:
WELL NAME: A-20
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7130' GL

DATA FILE: 3

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	18: 9: 0	50.000	7738.35		163.83
2	18:24: 0	50.250	13023.45	1237.40	
3	18:39: 0	50.500	7738.35		163.83
4	18:54: 0	50.750	13023.47	1237.42	
5	19: 9: 0	51.000	7738.36		163.83
6	19:24: 0	51.250	13023.47	1237.42	
7	19:39: 0	51.500	7738.35		163.83
8	19:54: 0	51.750	13023.48	1237.43	
9	20: 9: 0	52.000	7738.41		163.84
10	20:24: 0	52.250	13023.48	1237.44	
11	20:39: 0	52.500	7738.40		163.84
12	20:54: 0	52.750	13023.48	1237.44	
13	21: 9: 0	53.000	7738.43		163.84
14	21:24: 0	53.250	13023.49	1237.46	
15	21:39: 0	53.500	7738.43		163.84
16	21:54: 0	53.750	13023.50	1237.47	
17	22: 9: 0	54.000	7738.39		163.84
18	22:24: 0	54.250	13023.51	1237.48	
19	22:39: 0	54.500	7738.36		163.83
20	22:54: 0	54.750	13023.52	1237.49	
21	23: 9: 0	55.000	7738.37		163.84
22	23:24: 0	55.250	13023.52	1237.49	
23	23:39: 0	55.500	7738.43		163.84
24	23:54: 0	55.750	13023.52	1237.49	
25	0: 9: 0	56.000	7738.47		163.84
26	0:24: 0	56.250	13023.53	1237.50	
27	0:39: 0	56.500	7738.43		163.84
28	0:54: 0	56.750	13023.54	1237.52	
29	1: 9: 0	57.000	7738.46		163.84
30	1:24: 0	57.250	13023.54	1237.53	
31	1:39: 0	57.500	7738.44		163.84
32	1:54: 0	57.750	13023.55	1237.53	
33	2: 9: 0	58.000	7738.39		163.84
34	2:24: 0	58.250	13023.56	1237.55	
35	2:39: 0	58.500	7738.40		163.84
36	2:54: 0	58.750	13023.57	1237.57	
37	3: 9: 0	59.000	7738.44		163.84
38	3:24: 0	59.250	13023.58	1237.57	
39	3:39: 0	59.500	7738.38		163.84
40	3:54: 0	59.750	13023.58	1237.57	
41	4: 9: 0	60.000	7738.43		163.84
42	4:24: 0	60.250	13023.59	1237.59	
43	4:39: 0	60.500	7738.42		163.84
44	4:54: 0	60.750	13023.59	1237.60	
45	5: 9: 0	61.000	7738.45		163.84
46	5:24: 0	61.250	13023.59	1237.60	
47	5:39: 0	61.500	7738.40		163.84
48	5:54: 0	61.750	13023.61	1237.62	
49	6: 9: 0	62.000	7738.41		163.84
50	6:24: 0	62.250	13023.61	1237.62	

DATE: 07/27/07
GAUGE SN #70059
WELL # 0
TEST # 109

DATA FILE: 3

CLIENT: ENG
WELL NAME: A-20
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7132' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	6:39: 0	62.500	7738.42		163.84
52	6:54: 0	62.750	13023.62	1237.64	
53	7: 9: 0	63.000	7738.42		163.84
54	7:24: 0	63.250	13023.63	1237.65	
55	7:39: 0	63.500	7738.41		163.84
56	7:54: 0	63.750	13023.64	1237.66	
57	8: 9: 0	64.000	7738.43		163.84
58	8:24: 0	64.250	13023.65	1237.68	
59	8:39: 0	64.500	7738.44		163.84
60	8:54: 0	64.750	13023.65	1237.68	
61	9: 9: 0	65.000	7738.40		163.84
62	9:24: 0	65.250	13023.66	1237.69	
63	9:39: 0	65.500	7738.45		163.84
64	9:54: 0	65.750	13023.66	1237.69	
65	10: 9: 0	66.000	7738.43		163.84
66	10:24: 0	66.250	13023.67	1237.70	
67	10:39: 0	66.500	7738.42		163.84
68	10:54: 0	66.750	13023.67	1237.70	
69	11: 9: 0	67.000	7738.44		163.84
70	11:24: 0	67.250	13023.68	1237.72	
71	11:39: 0	67.500	7738.44		163.84
72	11:54: 0	67.750	13023.68	1237.72	
73	12: 9: 0	68.000	7738.42		163.84
74	12:24: 0	68.250	13023.68	1237.73	
75	12:39: 0	68.500	7738.44		163.84
76	12:54: 0	68.750	13023.69	1237.73	
77	13: 9: 0	69.000	7738.45		163.84
78	13:24: 0	69.250	13023.69	1237.73	
79	13:39: 0	69.500	7738.46		163.84
80	13:54: 0	69.750	13023.71	1237.76	
81	14: 9: 0	70.000	7738.47		163.84
82	14:24: 0	70.250	13023.72	1237.78	
83	14:39: 0	70.500	7738.45		163.84
84	14:54: 0	70.750	13023.73	1237.80	
85	15: 9: 0	71.000	7738.47		163.84
86	15:24: 0	71.250	13023.74	1237.81	
87	15:39: 0	71.500	7738.48		163.84
88	15:54: 0	71.750	13023.76	1237.84	
89	16: 9: 0	72.000	7738.48		163.84
90	16:24: 0	72.250	13023.77	1237.84	
91	16:39: 0	72.500	7738.52		163.85
92	16:54: 0	72.750	13023.78	1237.87	
93	17: 9: 0	73.000	7738.49		163.85
94	17:24: 0	73.250	13023.79	1237.88	
95	17:39: 0	73.500	7738.50		163.85
96	17:54: 0	73.750	13023.80	1237.89	
97	18: 9: 0	74.000	7738.53		163.85
98	18:24: 0	74.250	13023.82	1237.92	
99	18:39: 0	74.500	7738.52		163.85
100	18:54: 0	74.750	13023.83	1237.93	

DATE: 3/2/73
GAUGE SN #70259
WELL # 0
TEST # 109

COMPANY: SMO
CLIENT:
WELL NAME: A-20
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7130' GL

DATA FILE: 1

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	19: 9: 0	75.000	7738.52		163.85
2	19:24: 0	75.250	13023.83	1237.94	
3	19:39: 0	75.500	7738.54		163.85
4	19:54: 0	75.750	13023.84	1237.95	
5	20: 9: 0	76.000	7738.54		163.85
6	20:24: 0	76.250	13023.85	1237.96	
7	20:39: 0	76.500	7738.54		163.85
8	20:54: 0	76.750	13023.86	1237.98	
9	21: 9: 0	77.000	7738.51		163.85
10	21:24: 0	77.250	13023.87	1238.00	
11	21:39: 0	77.500	7738.58		163.85
12	21:54: 0	77.750	13023.88	1238.01	
13	22: 9: 0	78.000	7738.55		163.85
14	22:24: 0	78.250	13023.89	1238.02	
15	22:39: 0	78.500	7738.56		163.85
16	22:54: 0	78.750	13023.90	1238.03	
17	23: 9: 0	79.000	7738.53		163.85
18	23:24: 0	79.250	13023.91	1238.05	
19	23:39: 0	79.500	7738.56		163.85
20	23:54: 0	79.750	13023.92	1238.06	
21	0: 9: 0	80.000	7738.55		163.85
22	0:24: 0	80.250	13023.92	1238.07	
23	0:39: 0	80.500	7738.56		163.85
24	0:54: 0	80.750	13023.94	1238.09	
25	1: 9: 0	81.000	7738.55		163.85
26	1:24: 0	81.250	13023.95	1238.10	
27	1:39: 0	81.500	7738.57		163.85
28	1:54: 0	81.750	13023.96	1238.12	
29	2: 9: 0	82.000	7738.55		163.85
30	2:24: 0	82.250	13023.97	1238.13	
31	2:39: 0	82.500	7738.57		163.85
32	2:54: 0	82.750	13023.97	1238.14	
33	3: 9: 0	83.000	7738.58		163.85
34	3:24: 0	83.250	13023.99	1238.16	
35	3:39: 0	83.500	7738.56		163.85
36	3:54: 0	83.750	13024.00	1238.18	
37	4: 9: 0	84.000	7738.59		163.85
38	4:24: 0	84.250	13024.01	1238.19	
39	4:39: 0	84.500	7738.64		163.86
40	4:54: 0	84.750	13024.02	1238.20	
41	5: 9: 0	85.000	7738.62		163.86
42	5:24: 0	85.250	13024.03	1238.22	
43	5:39: 0	85.500	7738.61		163.85
44	5:54: 0	85.750	13024.03	1238.23	
45	6: 9: 0	86.000	7738.54		163.85
46	6:24: 0	86.250	13024.05	1238.24	
47	6:39: 0	86.500	7738.58		163.85
48	6:54: 0	86.750	13024.06	1238.26	
49	7: 9: 0	87.000	7738.60		163.85
50	7:24: 0	87.250	13024.07	1238.28	

DATE: 5/28/87
GAUGE SN #70053
WELL # 0
TEST # 109

COMPANY: BMG
CLIENT:
WELL NAME: A-20
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: SHF @ 7130' GL

DATA FILE: 4

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	7:39: 0	87.500	7738.57		163.85
52	7:54: 0	87.750	13024.08	1238.30	
53	8: 9: 0	88.000	7738.57		163.85
54	8:24: 0	88.250	13024.10	1238.32	
55	8:39: 0	88.500	7738.58		163.85
56	8:54: 0	88.750	13024.10	1238.31	
57	9: 9: 0	89.000	7738.59		163.85
58	9:24: 0	89.250	13024.11	1238.34	
59	9:39: 0	89.500	7738.63		163.86
60	9:54: 0	89.750	13024.11	1238.34	
61	10: 9: 0	90.000	7738.62		163.86
62	10:24: 0	90.250	13024.12	1238.34	
63	10:39: 0	90.500	7738.61		163.86
64	10:54: 0	90.750	13024.12	1238.34	
65	11: 9: 0	91.000	7738.63		163.86
66	11:24: 0	91.250	13024.13	1238.36	
67	11:39: 0	91.500	7738.63		163.86
68	11:54: 0	91.750	13024.13	1238.36	
69	12: 9: 0	92.000	7738.65		163.86
70	12:24: 0	92.250	13024.14	1238.38	
71	12:39: 0	92.500	7738.63		163.86
72	12:54: 0	92.750	13024.14	1238.38	
73	13: 9: 0	93.000	7738.67		163.86
74	13:24: 0	93.250	13024.15	1238.39	
75	13:39: 0	93.500	7738.66		163.86
76	13:54: 0	93.750	13024.17	1238.42	
77	14: 9: 0	94.000	7738.73		163.87
78	14:24: 0	94.250	13024.18	1238.43	
79	14:39: 0	94.500	7738.71		163.86
80	14:54: 0	94.750	13024.19	1238.44	
81	15: 9: 0	95.000	7738.71		163.86
82	15:24: 0	95.250	13024.20	1238.46	
83	15:39: 0	95.500	7738.73		163.87
84	15:54: 0	95.750	13024.20	1238.46	
85	16: 9: 0	96.000	7738.74		163.87
86	16:24: 0	96.250	13024.21	1238.48	
87	16:39: 0	96.500	7738.78		163.87
88	16:54: 0	96.750	13024.22	1238.49	
89	17: 9: 0	97.000	7738.73		163.87
90	17:24: 0	97.250	13024.23	1238.50	
91	17:39: 0	97.500	7738.74		163.87
92	17:54: 0	97.750	13024.24	1238.52	
93	18: 9: 0	98.000	7738.76		163.87
94	18:24: 0	98.250	13024.25	1238.53	
95	18:39: 0	98.500	7738.75		163.87
96	18:54: 0	98.750	13024.26	1238.54	
97	19: 9: 0	99.000	7738.73		163.87
98	19:24: 0	99.250	13024.26	1238.54	
99	19:39: 0	99.500	7738.72		163.86
100	19:54: 0	99.750	13024.27	1238.57	

DATE: 5/28/37
GAUGE SN #70059
WELL # 0
TEST # 109

COMPANY: 8MG
CLIENT:
WELL NAME: A-20
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: SHP @ 7130' GL

DATA FILE: 5

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	20: 9: 0	100.000	7738.78		163.87
2	20:24: 0	100.250	13024.29	1238.57	
3	20:39: 0	100.500	7738.77		163.87
4	20:54: 0	100.750	13024.29	1238.59	
5	21: 9: 0	101.000	7738.75		163.87
6	21:24: 0	101.250	13024.29	1238.59	
7	21:39: 0	101.500	7738.79		163.87
8	21:54: 0	101.750	13024.31	1238.61	
9	22: 9: 0	102.000	7738.75		163.87
10	22:24: 0	102.250	13024.31	1238.62	
11	22:39: 0	102.500	7738.75		163.87
12	22:54: 0	102.750	13024.32	1238.63	
13	23: 9: 0	103.000	7738.76		163.87
14	23:24: 0	103.250	13024.33	1238.65	
15	23:39: 0	103.500	7738.80		163.87
16	23:54: 0	103.750	13024.33	1238.65	
17	0: 9: 0	104.000	7738.81		163.87
18	0:24: 0	104.250	13024.34	1238.65	
19	0:39: 0	104.500	7738.79		163.87
20	0:54: 0	104.750	13024.34	1238.65	
21	1: 9: 0	105.000	7738.81		163.87
22	1:24: 0	105.250	13024.35	1238.68	
23	1:39: 0	105.500	7738.79		163.87
24	1:54: 0	105.750	13024.35	1238.68	
25	2: 9: 0	106.000	7738.77		163.87
26	2:24: 0	106.250	13024.36	1238.69	
27	2:39: 0	106.500	7738.74		163.87
28	2:54: 0	106.750	13024.38	1238.71	
29	3: 9: 0	107.000	7738.78		163.87
30	3:24: 0	107.250	13024.38	1238.72	
31	3:39: 0	107.500	7738.78		163.87
32	3:54: 0	107.750	13024.39	1238.73	
33	4: 9: 0	108.000	7738.78		163.87
34	4:24: 0	108.250	13024.39	1238.72	
35	4:39: 0	108.500	7738.73		163.86
36	4:54: 0	108.750	13024.40	1238.75	
37	5: 9: 0	109.000	7738.79		163.87
38	5:24: 0	109.250	13024.41	1238.76	
39	5:39: 0	109.500	7738.81		163.87
40	5:54: 0	109.750	13024.41	1238.76	
41	6: 9: 0	110.000	7738.82		163.87
42	6:24: 0	110.250	13024.43	1238.78	
43	6:39: 0	110.500	7738.83		163.87
44	6:54: 0	110.750	13024.44	1238.80	
45	7: 9: 0	111.000	7738.85		163.87
46	7:24: 0	111.250	13024.44	1238.80	
47	7:39: 0	111.500	7738.83		163.87
48	7:54: 0	111.750	13024.45	1238.82	
49	8: 9: 0	112.000	7738.81		163.87
50	8:24: 0	112.250	13024.45	1238.82	

DATE: 5/23/57
GAUGE SN #70059
WELL # 0
TEST # 109

COMPANY: BMO
CLIENT:
WELL NAME: A-20
TEST OPERATOR: MD
LOCATION: COO
COMMENT: SHF 2 7:00' SL

DATA FILE: 5

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	8:39: 0	112.500	7738.83		163.87
52	8:54: 0	112.750	13024.46	1238.84	
53	9: 9: 0	113.000	7738.82		163.87
54	9:24: 0	113.250	13024.47	1238.84	
55	9:39: 0	113.500	7738.87		163.88
56	9:54: 0	113.750	13024.47	1238.84	
57	10: 9: 0	114.000	7738.83		163.87
58	10:24: 0	114.250	13024.48	1238.85	
59	10:39: 0	114.500	7738.87		163.88
60	10:54: 0	114.750	13024.49	1238.87	
61	11: 9: 0	115.000	7738.91		163.88
62	11:24: 0	115.250	13024.49	1238.88	
63	11:39: 0	115.500	7738.88		163.88
64	11:54: 0	115.750	13024.49	1238.88	
65	12: 9: 0	116.000	7738.91		163.88
66	12:24: 0	116.250	13024.50	1238.88	
67	12:39: 0	116.500	7738.88		163.88
68	12:54: 0	116.750	13024.51	1238.90	
69	13: 9: 0	117.000	7738.90		163.88
70	13:24: 0	117.250	13024.51	1238.90	
71	13:39: 0	117.500	7738.87		163.88
72	13:54: 0	117.750	13024.51	1238.91	
73	14: 9: 0	118.000	7738.85		163.87
74	14:24: 0	118.250	13024.52	1238.92	
75	14:39: 0	118.500	7738.86		163.88
76	14:54: 0	118.750	13024.53	1238.92	
77	15: 9: 0	119.000	7738.92		163.88
78	15:24: 0	119.250	13024.53	1238.92	
79	15:39: 0	119.500	7738.87		163.88
80	15:54: 0	119.750	13024.54	1238.94	
81	16: 9: 0	120.000	7738.90		163.88
82	16:24: 0	120.250	13024.55	1238.95	
83	16:39: 0	120.500	7738.90		163.88
84	16:54: 0	120.750	13024.55	1238.96	
85	17: 9: 0	121.000	7738.88		163.88
86	17:24: 0	121.250	13024.55	1238.96	
87	17:39: 0	121.500	7738.92		163.88
88	17:54: 0	121.750	13024.57	1238.99	
89	18: 9: 0	122.000	7738.92		163.88
90	18:24: 0	122.250	13024.58	1239.00	
91	18:39: 0	122.500	7738.88		163.88
92	18:54: 0	122.750	13024.58	1239.00	
93	19: 9: 0	123.000	7738.87		163.88
94	19:24: 0	123.250	13024.59	1239.02	
95	19:39: 0	123.500	7738.90		163.88
96	19:54: 0	123.750	13024.59	1239.02	
97	20: 9: 0	124.000	7738.91		163.88
98	20:24: 0	124.250	13024.60	1239.03	
99	20:39: 0	124.500	7738.92		163.88
100	20:54: 0	124.750	13024.60	1239.03	

DATE: 3/23/01
GAUGE SN #70059
WELL # 0
TEST # 109

COMPANY: BING
CLIENT:
WELL NAME: A-20
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7130' SL

DATA FILE: 6

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	21: 9: 0	125.000	7738.94		163.88
2	21:24: 0	125.250	13024.61	1239.04	
3	21:39: 0	125.500	7738.90		163.88
4	21:54: 0	125.750	13024.62	1239.05	
5	22: 9: 0	126.000	7738.95		163.88
6	22:24: 0	126.250	13024.63	1239.07	
7	22:39: 0	126.500	7738.92		163.88
8	22:54: 0	126.750	13024.63	1239.07	
9	23: 9: 0	127.000	7738.91		163.88
10	23:24: 0	127.250	13024.64	1239.08	
11	23:39: 0	127.500	7738.90		163.88
12	23:54: 0	127.750	13024.64	1239.09	
13	0: 9: 0	128.000	7738.92		163.88
14	0:24: 0	128.250	13024.64	1239.09	
15	0:39: 0	128.500	7738.93		163.88
16	0:54: 0	128.750	13024.65	1239.11	
17	1: 9: 0	129.000	7738.93		163.88
18	1:24: 0	129.250	13024.66	1239.11	
19	1:39: 0	129.500	7738.91		163.88
20	1:54: 0	129.750	13024.66	1239.11	
21	2: 9: 0	130.000	7738.94		163.88
22	2:24: 0	130.250	13024.67	1239.12	
23	2:39: 0	130.500	7738.90		163.88
24	2:54: 0	130.750	13024.67	1239.13	
25	3: 9: 0	131.000	7738.92		163.88
26	3:24: 0	131.250	13024.68	1239.14	
27	3:39: 0	131.500	7738.94		163.88
28	3:54: 0	131.750	13024.69	1239.15	
29	4: 9: 0	132.000	7738.92		163.88
30	4:24: 0	132.250	13024.69	1239.15	
31	4:39: 0	132.500	7738.92		163.88
32	4:54: 0	132.750	13024.70	1239.17	
33	5: 9: 0	133.000	7738.94		163.88
34	5:24: 0	133.250	13024.70	1239.18	
35	5:39: 0	133.500	7738.97		163.88
36	5:54: 0	133.750	13024.71	1239.19	
37	6: 9: 0	134.000	7738.97		163.88
38	6:24: 0	134.250	13024.72	1239.19	
39	6:39: 0	134.500	7738.98		163.88
40	6:54: 0	134.750	13024.73	1239.22	
41	7: 9: 0	135.000	7738.95		163.88
42	7:24: 0	135.250	13024.74	1239.22	
43	7:39: 0	135.500	7738.94		163.88
44	7:54: 0	135.750	13024.75	1239.24	
45	8: 9: 0	136.000	7738.96		163.88
46	8:24: 0	136.250	13024.75	1239.24	
47	8:39: 0	136.500	7738.98		163.88
48	8:54: 0	136.750	13024.75	1239.25	
49	9: 9: 0	137.000	7738.98		163.88
50	9:24: 0	137.250	13024.75	1239.25	

DATE: 5/30/37
GAUGE SN #70059
WELL # 0
TEST # 109

DATA FILE: B

COMPANY: BMG
CLIENT:
WELL NAME: A-20
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP 3 7100' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	9:39: 0	137.500	7738.97		163.88
52	9:54: 0	137.750	13024.77	1239.26	
53	10: 9: 0	138.000	7738.95		163.88
54	10:24: 0	138.250	13024.77	1239.26	
55	10:39: 0	138.500	7738.97		163.88
56	10:54: 0	138.750	13024.78	1239.28	
57	11: 9: 0	139.000	7739.02		163.89
58	11:24: 0	139.250	13024.78	1239.28	
59	11:39: 0	139.500	7739.00		163.89
60	11:54: 0	139.750	13024.78	1239.29	
61	12: 9: 0	140.000	7738.99		163.89
62	12:24: 0	140.250	13024.78	1239.29	
63	12:39: 0	140.500	7739.05		163.89
64	12:54: 0	140.750	13024.78	1239.29	
65	13: 9: 0	141.000	7739.05		163.89
66	13:24: 0	141.250	13024.78	1239.29	
67	13:39: 0	141.500	7738.96		163.88
68	13:54: 0	141.750	13024.79	1239.30	
69	14: 9: 0	142.000	7739.05		163.89
70	14:24: 0	142.250	13024.79	1239.30	
71	14:39: 0	142.500	7739.01		163.89
72	14:54: 0	142.750	13024.80	1239.31	
73	15: 9: 0	143.000	7739.05		163.89
74	15:24: 0	143.250	13024.80	1239.32	
75	15:39: 0	143.500	7739.05		163.89
76	15:54: 0	143.750	13024.80	1239.31	
77	16: 9: 0	144.000	7739.06		163.89
78	16:24: 0	144.250	13024.80	1239.32	
79	16:39: 0	144.500	7739.02		163.89
80	16:54: 0	144.750	13024.81	1239.33	
81	17: 9: 0	145.000	7739.01		163.89
82	17:24: 0	145.250	13024.82	1239.34	
83	17:39: 0	145.500	7739.02		163.89
84	17:54: 0	145.750	13024.84	1239.37	
85	18: 9: 0	146.000	7739.02		163.89
86	18:24: 0	146.250	13024.84	1239.38	
87	18:39: 0	146.500	7739.02		163.89
88	18:54: 0	146.750	13024.84	1239.38	
89	19: 9: 0	147.000	7739.04		163.89
90	19:24: 0	147.250	13024.86	1239.39	
91	19:39: 0	147.500	7739.12		163.90
92	19:54: 0	147.750	13024.85	1239.38	
93	20: 9: 0	148.000	7739.07		163.89
94	20:24: 0	148.250	13024.86	1239.39	
95	20:39: 0	148.500	7739.04		163.89
96	20:54: 0	148.750	13024.86	1239.39	
97	21: 9: 0	149.000	7739.11		163.90
98	21:24: 0	149.250	13024.86	1239.40	
99	21:39: 0	149.500	7739.10		163.90
100	21:54: 0	149.750	21811.42		4332.46

DATE: 5/30/57
GAUGE SN #70259
WELL # 0
TEST # 109

COMPANY: BMB
CLIENT:
WELL NAME: A-20
TEST OPERATOR: MD
LOCATION: ODU
COMMENTS: BHP 2 7:00' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	22: 9: 0	150.000	21811.42		4332.46
2	22:24: 0	150.250	21811.42		4332.46
3	21:39: 0	173.500	7738.90		163.88
4	21:54: 0	173.750	13024.62	1239.05	
5	22: 9: 0	174.000	7738.95		163.88
6	22:24: 0	174.250	13024.63	1239.07	
7	22:39: 0	174.500	7738.92		163.88
8	22:54: 0	174.750	13024.63	1239.07	
9	23: 9: 0	175.000	7738.91		163.88
10	23:24: 0	175.250	13024.64	1239.08	
11	23:39: 0	175.500	7738.90		163.88
12	23:54: 0	175.750	13024.64	1239.09	
13	0: 9: 0	176.000	7738.92		163.88
14	0:24: 0	176.250	13024.64	1239.09	
15	0:39: 0	176.500	7738.93		163.88
16	0:54: 0	176.750	13024.65	1239.11	
17	1: 9: 0	177.000	7738.93		163.88
18	1:24: 0	177.250	13024.66	1239.11	
19	1:39: 0	177.500	7738.91		163.88
20	1:54: 0	177.750	13024.66	1239.11	
21	2: 9: 0	178.000	7738.94		163.88
22	2:24: 0	178.250	13024.67	1239.12	
23	2:39: 0	178.500	7738.90		163.88
24	2:54: 0	178.750	13024.67	1239.13	
25	3: 9: 0	179.000	7738.92		163.88
26	3:24: 0	179.250	13024.68	1239.14	
27	3:39: 0	179.500	7738.94		163.88
28	3:54: 0	179.750	13024.69	1239.15	
29	4: 9: 0	180.000	7738.92		163.88
30	4:24: 0	180.250	13024.69	1239.15	
31	4:39: 0	180.500	7738.92		163.88
32	4:54: 0	180.750	13024.70	1239.17	
33	5: 9: 0	181.000	7738.94		163.88
34	5:24: 0	181.250	13024.70	1239.18	
35	5:39: 0	181.500	7738.97		163.88
36	5:54: 0	181.750	13024.71	1239.19	
37	6: 9: 0	182.000	7738.97		163.88
38	6:24: 0	182.250	13024.72	1239.19	
39	6:39: 0	182.500	7738.98		163.88
40	6:54: 0	182.750	13024.73	1239.22	
41	7: 9: 0	183.000	7738.95		163.88
42	7:24: 0	183.250	13024.74	1239.22	
43	7:39: 0	183.500	7738.94		163.88
44	7:54: 0	183.750	13024.75	1239.24	
45	8: 9: 0	184.000	7738.96		163.88
46	8:24: 0	184.250	13024.75	1239.24	
47	8:39: 0	184.500	7738.98		163.88
48	8:54: 0	184.750	13024.75	1239.25	
49	9: 9: 0	185.000	7738.98		163.88
50	9:24: 0	185.250	13024.75	1239.25	

DATE: 6/ 1/ 97
GAUGE SN #70059
WELL # 0
TEST # 109

COMPANY: ORG
CLIENT:
WELL NAME: A-20
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7:30' GL

DATA FILE: 7

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	9:39: 0	185.500	7738.97		163.88
52	9:54: 0	185.750	13024.77	1239.26	
53	10: 9: 0	186.000	7738.95		163.88
54	10:24: 0	186.250	13024.77	1239.26	
55	10:39: 0	186.500	7738.97		163.88
56	10:54: 0	186.750	13024.78	1239.28	
57	11: 9: 0	187.000	7739.02		163.89
58	11:24: 0	187.250	13024.78	1239.28	
59	11:39: 0	187.500	7739.00		163.89
60	11:54: 0	187.750	13024.78	1239.28	
61	12: 9: 0	188.000	7738.99		163.89
62	12:24: 0	188.250	13024.78	1239.29	
63	12:39: 0	188.500	7739.05		163.89
64	12:54: 0	188.750	13024.78	1239.29	
65	13: 9: 0	189.000	7739.05		163.89
66	13:24: 0	189.250	13024.78	1239.29	
67	13:39: 0	189.500	7738.96		163.88
68	13:54: 0	189.750	13024.79	1239.30	
69	14: 9: 0	190.000	7739.05		163.89
70	14:24: 0	190.250	13024.79	1239.30	
71	14:39: 0	190.500	7739.01		163.89
72	14:54: 0	190.750	13024.80	1239.31	
73	15: 9: 0	191.000	7739.05		163.89
74	15:24: 0	191.250	13024.80	1239.32	
75	15:39: 0	191.500	7739.05		163.89
76	15:54: 0	191.750	13024.80	1239.31	
77	16: 9: 0	192.000	7739.06		163.89
78	16:24: 0	192.250	13024.80	1239.32	
79	16:39: 0	192.500	7739.02		163.89
80	16:54: 0	192.750	13024.81	1239.33	
81	17: 9: 0	193.000	7739.01		163.89
82	17:24: 0	193.250	13024.82	1239.34	
83	17:39: 0	193.500	7739.02		163.89
84	17:54: 0	193.750	13024.84	1239.37	
85	18: 9: 0	194.000	7739.02		163.89
86	18:24: 0	194.250	13024.84	1239.38	
87	18:39: 0	194.500	7739.02		163.89
88	18:54: 0	194.750	13024.84	1239.38	
89	19: 9: 0	195.000	7739.04		163.89
90	19:24: 0	195.250	13024.86	1239.39	
91	19:39: 0	195.500	7739.12		163.90
92	19:54: 0	195.750	13024.85	1239.38	
93	20: 9: 0	196.000	7739.07		163.89
94	20:24: 0	196.250	13024.86	1239.39	
95	20:39: 0	196.500	7739.04		163.89
96	20:54: 0	196.750	13024.86	1239.39	
97	21: 9: 0	197.000	7739.11		163.90
98	21:24: 0	197.250	13024.86	1239.40	
99	21:39: 0	197.500	7739.10		163.90
100	21:54: 0	197.750	21811.42		4332.46

G

EVIDENCE OF COMMUNICATION
CANADA CUITOS UNIT F-7 FRAC TREATMENT
NOVEMBER 25, 1987

Evidence of communication in the area described by the orange lines on the plat on the facing page has been provided the Oil Conservation Division in numerous reports, studies and hearings; and summarized briefly in Case 9113 held March 30, 1987.

Evidence of communication west of and across the postulated area of permeability restriction (stippled area on plat) was presented in Cases 8946 and 8950 in August 1986 and in Case 9113 in March 1987.

Wells drilled early in the history of the Gavilan area showed pressures less than virgin, implying communication across the entire area; but no direct "cause and effect" examples of communication tying the east and west areas together have been presented to the Oil Conservation Division prior to this Case 9111.

Described in Sections B and C herein is evidence of direct cause and effect communication between the east and west areas as demonstrated by frac treatment in the C-34 (junction of lower blue lines on plat) April 23, 1987 with responses in the B-29 and B-32 wells to the west.

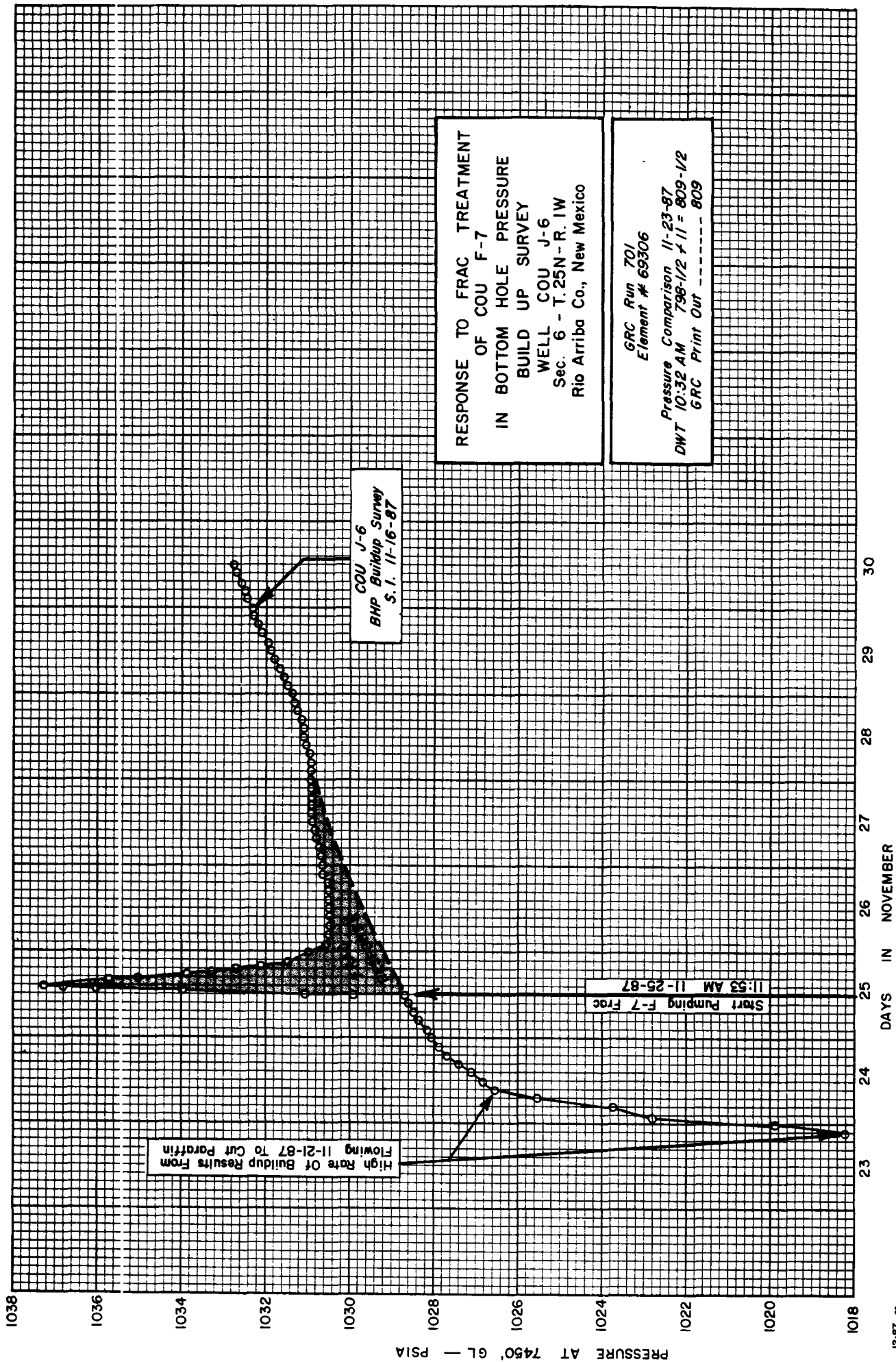
Described in Sections D and E herein is evidence of direct cause and effect communication between the east and west areas which is demonstrated by frac treatment in the A-16 well (junction of upper blue lines on plat) May 11, 1987 with responses in the A-20 and B-32 wells to the southwest.

Described in Section F herein is evidence of direct cause and effect communication across the postulated area of permeability restriction near the north-south center of the township which is demonstrated by frac treatment in the D-17 well (pink line on plat) May 27, 1987 with response in the A-20 well.

Described in this Section G (and H and I following) is evidence of direct cause and effect communication from the F-7 well (junction of violet colored lines on plat) with the E-6 and J-6 wells and into the postulated area of low permeability restriction to the D-17. Data for the J-6 observation well are in this Section G.

Frac treatment was in the A, B and C zones in the F-7. All three (A, B and C) zones were open in the observation wells.

To minimize extraneous interference effects, all wells in Township 25 North, Range 1 West were shut in during this test.



DATE: 11/22/87
GAUGE SN #69306
WELL # 0
TEST # 701

COMPANY: BMG
CLIENT:
WELL NAME: J-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7450' GL

DATA FILE: 1

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	14:45: 0	0.000	6764.45		75.26
2	15:45: 0	1.000	10470.15	16.00	
3	16:45: 0	2.000	6654.20		66.52
4	17:45: 0	3.000	10470.67	15.90	
5	18:45: 0	4.000	6425.12		48.44
6	19:45: 0	5.000	10473.79	19.84	
7	20:45: 0	6.000	6487.35		53.34
8	21:45: 0	7.000	10471.05	14.95	
9	22:45: 0	8.000	6541.57		57.61
10	23:45: 0	9.000	10470.68	14.76	
11	0:45: 0	10.000	6551.18		58.37
12	1:45: 0	11.000	10470.60	14.69	
13	2:45: 0	12.000	6546.49		58.00
14	3:45: 0	13.000	10470.69	14.82	
15	4:45: 0	14.000	6543.81		57.79
16	5:45: 0	15.000	10470.71	14.84	
17	5:48: 0	15.050	6544.18		57.82
18	5:51: 0	15.100	10470.70	14.83	
19	5:54: 0	15.150	6544.31		57.83
20	5:57: 0	15.200	10470.70	14.82	
21	6: 0: 0	15.250	6544.54		57.85
22	6: 3: 0	15.300	10470.70	14.82	
23	6: 6: 0	15.350	6544.93		57.88
24	6: 9: 0	15.400	10470.70	14.83	
25	6:12: 0	15.450	6545.72		57.94
26	6:15: 0	15.500	10470.70	14.85	
27	6:18: 0	15.550	6546.56		58.01
28	6:21: 0	15.600	10470.69	14.83	
29	6:24: 0	15.650	6546.88		58.03
30	6:27: 0	15.700	10470.68	14.80	
31	6:30: 0	15.750	6547.14		58.05
32	6:33: 0	15.800	10470.78	15.01	
33	6:36: 0	15.850	6559.67		59.04
34	6:39: 0	15.900	10472.29	18.19	
35	6:42: 0	15.950	6633.62		64.89
36	6:45: 0	16.000	10471.62	17.62	
37	6:48: 0	16.050	6661.89		67.13
38	6:51: 0	16.100	10471.71	18.09	
39	6:54: 0	16.150	6659.83		66.96
40	6:57: 0	16.200	10471.29	17.22	
41	7: 0: 0	16.250	6666.88		67.52
42	7: 3: 0	16.300	10470.40	15.48	
43	7: 6: 0	16.350	6674.11		68.09
44	7: 9: 0	16.400	10469.61	13.97	
45	7:12: 0	16.450	6647.38		65.98
46	7:15: 0	16.500	10469.85	14.18	
47	7:18: 0	16.550	6619.48		63.77
48	7:21: 0	16.600	10470.36	14.92	
49	7:24: 0	16.650	6593.52		61.72
50	7:27: 0	16.700	10470.81	15.56	

DATE: 11/23/87
GAUGE SN #69306
WELL # 0
TEST # 701

DATA FILE: 1

COMPANY: BMG
CLIENT:
WELL NAME: J-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7450' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	7:30: 0	16.750	6567.09		59.63
52	7:33: 0	16.800	10471.67	17.02	
53	7:36: 0	16.850	6566.37		59.57
54	7:39: 0	16.900	10471.40	16.47	
55	7:42: 0	16.950	6589.88		61.43
56	7:45: 0	17.000	10470.89	15.68	
57	7:48: 0	17.050	6621.04		63.89
58	7:51: 0	17.100	10469.77	13.74	
59	7:54: 0	17.150	6598.68		62.12
60	7:57: 0	17.200	10470.10	14.18	
61	8: 0: 0	17.250	6568.88		59.77
62	8: 3: 0	17.300	10471.34	16.37	
63	8: 6: 0	17.350	6551.26		58.38
64	8: 9: 0	17.400	10471.97	17.46	
65	8:12: 0	17.450	6554.94		58.67
66	8:15: 0	17.500	10471.55	16.66	
67	8:18: 0	17.550	6553.71		58.57
68	8:21: 0	17.600	10471.55	16.63	
69	8:24: 0	17.650	6546.52		58.00
70	8:27: 0	17.700	10471.53	16.54	
71	8:30: 0	17.750	6541.79		57.63
72	8:33: 0	17.800	10471.54	16.50	
73	8:36: 0	17.850	6541.15		57.58
74	8:39: 0	17.900	10471.34	16.09	
75	8:42: 0	17.950	6541.53		57.61
76	8:45: 0	18.000	10470.96	15.32	
77	8:48: 0	18.050	6526.53		56.43
78	8:51: 0	18.100	10470.95	15.16	
79	8:54: 0	18.150	6501.50		54.45
80	8:57: 0	18.200	10471.70	16.41	
81	9: 0: 0	18.250	6494.54		53.90
82	9: 3: 0	18.300	10471.85	16.63	
83	9: 6: 0	18.350	6489.01		53.47
84	9: 9: 0	18.400	10471.90	16.69	
85	9:12: 0	18.450	6483.53		53.04
86	9:15: 0	18.500	10471.97	16.76	
87	9:18: 0	18.550	6479.14		52.69
88	9:21: 0	18.600	10472.00	16.79	
89	9:24: 0	18.650	6476.21		52.46
90	9:27: 0	18.700	10472.05	16.85	
91	9:30: 0	18.750	6473.93		52.28
92	9:33: 0	18.800	10472.04	16.81	
93	9:36: 0	18.850	6471.72		52.10
94	9:39: 0	18.900	10472.03	16.77	
95	9:42: 0	18.950	6473.73		52.26
96	9:45: 0	19.000	10472.00	16.73	
97	9:48: 0	19.050	6481.50		52.67
98	9:51: 0	19.100	10471.88	16.56	
99	9:54: 0	19.150	6480.80		52.82
100	9:57: 0	19.200	10471.79	16.36	

DATE: 11/23/37
GAUGE SN #69306
WELL # 0
TEST # 701

DATA FILE: 2

COMPANY: BMG
CLIENT:
WELL NAME: J-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7450' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	10: 0: 0	19.250	6479.86		52.75
2	10: 3: 0	19.300	10471.88	16.55	
3	10: 6: 0	19.350	6480.15		52.77
4	10: 9: 0	19.400	10471.88	16.55	
5	10:12: 0	19.450	6482.90		52.99
6	10:15: 0	19.500	10471.77	16.35	
7	10:18: 0	19.550	6486.27		53.25
8	10:21: 0	19.600	10471.69	16.22	
9	10:24: 0	19.650	6481.81		52.90
10	10:27: 0	19.700	10471.64	16.08	
11	10:30: 0	19.750	6585.72		61.10
12	10:33: 0	19.800	10847.89	808.43	
13	10:36: 0	19.850	6568.37		59.73
14	10:39: 0	19.900	10848.25	809.12	
15	10:42: 0	19.950	6544.30		57.83
16	10:45: 0	20.000	10850.76	814.49	
17	10:48: 0	20.050	6561.14		59.16
18	10:51: 0	20.100	10871.32	859.77	
19	10:54: 0	20.150	6864.43		83.22
20	10:57: 0	20.200	10886.43	894.75	
21	11: 0: 0	20.250	7218.60		111.60
22	11: 3: 0	20.300	10903.15	934.10	
23	11: 6: 0	20.350	7572.47		140.26
24	11: 9: 0	20.400	10919.30	972.98	
25	11:12: 0	20.450	7846.70		162.68
26	11:15: 0	20.500	10934.65	1009.20	
27	11:18: 0	20.550	7942.83		170.58
28	11:21: 0	20.600	10934.07	1008.61	
29	11:24: 0	20.650	7945.68		170.82
30	11:27: 0	20.700	10934.21	1008.93	
31	11:30: 0	20.750	7946.62		170.89
32	11:33: 0	20.800	10934.31	1009.17	
33	11:36: 0	20.850	7947.00		170.92
34	11:39: 0	20.900	10934.41	1009.39	
35	11:42: 0	20.950	7947.25		170.95
36	11:45: 0	21.000	10934.49	1009.57	
37	11:48: 0	21.050	7947.36		170.95
38	11:51: 0	21.100	10934.55	1009.71	
39	11:54: 0	21.150	7947.39		170.96
40	11:57: 0	21.200	10934.62	1009.85	
41	12: 0: 0	21.250	7947.52		170.97
42	12: 3: 0	21.300	10934.68	1009.99	
43	12: 6: 0	21.350	7947.55		170.97
44	12: 9: 0	21.400	10934.75	1010.14	
45	12:12: 0	21.450	7947.66		170.98
46	12:15: 0	21.500	10934.81	1010.28	
47	12:18: 0	21.550	7947.66		170.98
48	12:21: 0	21.600	10934.87	1010.40	
49	12:24: 0	21.650	7947.72		170.98
50	12:27: 0	21.700	10934.92	1010.51	

DATE: 11/23/87
GAUGE SN #69306
WELL # 0
TEST # 701

DATA FILE: 2

COMPANY: BMG
CLIENT:
WELL NAME: J-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7450' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	12:30: 0	21.750	7947.78		170.99
52	12:33: 0	21.800	10934.97	1010.63	
53	12:36: 0	21.850	7947.75		170.99
54	12:39: 0	21.900	10935.01	1010.72	
55	12:42: 0	21.950	7947.83		170.99
56	12:45: 0	22.000	10935.06	1010.82	
57	12:48: 0	22.050	7947.96		171.00
58	12:51: 0	22.100	10935.11	1010.94	
59	12:54: 0	22.150	7948.01		171.01
60	12:57: 0	22.200	10935.15	1011.02	
61	13: 0: 0	22.250	7947.97		171.01
62	13: 3: 0	22.300	10935.19	1011.12	
63	13: 6: 0	22.350	7947.97		171.01
64	13: 9: 0	22.400	10935.23	1011.21	
65	13:12: 0	22.450	7948.07		171.01
66	13:15: 0	22.500	10935.27	1011.31	
67	13:18: 0	22.550	7948.00		171.01
68	13:21: 0	22.600	10935.31	1011.40	
69	13:24: 0	22.650	7948.02		171.01
70	13:27: 0	22.700	10935.35	1011.47	
71	13:30: 0	22.750	7948.10		171.02
72	13:33: 0	22.800	10935.39	1011.56	
73	13:36: 0	22.850	7948.09		171.01
74	13:39: 0	22.900	10935.43	1011.66	
75	13:42: 0	22.950	7948.09		171.01
76	13:45: 0	23.000	10935.46	1011.73	
77	13:48: 0	23.050	7948.09		171.01
78	13:51: 0	23.100	10935.50	1011.82	
79	13:54: 0	23.150	7948.12		171.02
80	13:57: 0	23.200	10935.54	1011.90	
81	14: 0: 0	23.250	7948.14		171.02
82	14: 3: 0	23.300	10935.57	1011.98	
83	14: 6: 0	23.350	7948.19		171.02
84	14: 9: 0	23.400	10935.61	1012.07	
85	14:12: 0	23.450	7948.17		171.02
86	14:15: 0	23.500	10935.65	1012.15	
87	14:18: 0	23.550	7948.20		171.02
88	14:21: 0	23.600	10935.69	1012.24	
89	14:24: 0	23.650	7948.19		171.02
90	14:27: 0	23.700	10935.73	1012.31	
91	14:30: 0	23.750	7948.12		171.02
92	14:33: 0	23.800	10935.76	1012.40	
93	14:36: 0	23.850	7948.18		171.02
94	14:39: 0	23.900	10935.80	1012.47	
95	14:42: 0	23.950	7948.29		171.03
96	14:45: 0	24.000	10935.83	1012.55	
97	14:48: 0	24.050	7948.23		171.03
98	14:51: 0	24.100	10935.87	1012.64	
99	14:54: 0	24.150	7948.25		171.03
100	14:57: 0	24.200	10935.90	1012.71	

DATE: 11/23/37
GAUGE SN #59306
WELL # 0
TEST # 701

DATA FILE: 3

COMPANY: BMG
CLIENT:
WELL NAME: J-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7450' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	15: 0: 0	24.250	7948.23		171.03
2	15: 3: 0	24.300	10935.94	1012.80	
3	15: 6: 0	24.350	7948.23		171.03
4	15: 9: 0	24.400	10935.98	1012.88	
5	15:12: 0	24.450	7948.22		171.03
6	15:15: 0	24.500	10936.02	1012.97	
7	15:18: 0	24.550	7948.19		171.02
8	15:21: 0	24.600	10936.05	1013.04	
9	15:24: 0	24.650	7948.23		171.03
10	15:27: 0	24.700	10936.09	1013.13	
11	15:30: 0	24.750	7948.25		171.03
12	15:33: 0	24.800	10936.13	1013.21	
13	15:36: 0	24.850	7948.26		171.03
14	15:39: 0	24.900	10936.17	1013.29	
15	15:42: 0	24.950	7948.26		171.03
16	15:45: 0	25.000	10936.20	1013.37	
17	16: 0: 0	25.250	7948.26		171.03
18	16:15: 0	25.500	10936.38	1013.78	
19	16:30: 0	25.750	7948.20		171.02
20	16:45: 0	26.000	10936.57	1014.20	
21	17: 0: 0	26.250	7948.26		171.03
22	17:15: 0	26.500	10936.76	1014.62	
23	17:30: 0	26.750	7948.30		171.03
24	17:45: 0	27.000	10936.95	1015.03	
25	18: 0: 0	27.250	7948.28		171.03
26	18:15: 0	27.500	10937.14	1015.45	
27	18:30: 0	27.750	7948.39		171.04
28	18:45: 0	28.000	10937.32	1015.85	
29	19: 0: 0	28.250	7948.38		171.04
30	19:15: 0	28.500	10937.50	1016.26	
31	19:30: 0	28.750	7948.43		171.04
32	19:45: 0	29.000	10937.69	1016.68	
33	20: 0: 0	29.250	7948.33		171.03
34	20:15: 0	29.500	10937.86	1017.06	
35	20:30: 0	29.750	7948.33		171.03
36	20:45: 0	30.000	10938.04	1017.46	
37	21: 0: 0	30.250	7948.29		171.03
38	21:15: 0	30.500	10938.23	1017.87	
39	21:30: 0	30.750	7948.30		171.03
40	21:45: 0	31.000	10938.40	1018.26	
41	22: 0: 0	31.250	7948.34		171.03
42	22:15: 0	31.500	10938.58	1018.66	
43	22:30: 0	31.750	7948.38		171.04
44	22:45: 0	32.000	10938.76	1019.05	
45	23: 0: 0	32.250	7948.41		171.04
46	23:15: 0	32.500	10938.93	1019.44	
47	23:30: 0	32.750	7948.43		171.04
48	23:45: 0	33.000	10939.12	1019.85	
49	0: 0: 0	33.250	7948.49		171.05
50	0:15: 0	33.500	10939.29	1020.24	

DATE: 11/24/37
GAUGE SN #59306
WELL # 0
TEST # 701

DATA FILE: 3

COMPANY: BMG
CLIENT:
WELL NAME: J-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7450' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	0:30: 0	33.750	7948.44		171.04
52	0:45: 0	34.000	10939.48	1020.65	
53	1: 0: 0	34.250	7948.43		171.04
54	1:15: 0	34.500	10939.66	1021.06	
55	1:30: 0	34.750	7948.40		171.04
56	1:45: 0	35.000	10939.83	1021.44	
57	2: 0: 0	35.250	7948.40		171.04
58	2:15: 0	35.500	10940.01	1021.82	
59	2:30: 0	35.750	7948.45		171.04
60	2:45: 0	36.000	10940.18	1022.21	
61	3: 0: 0	36.250	7948.47		171.05
62	3:15: 0	36.500	10940.35	1022.59	
63	3:30: 0	36.750	7948.45		171.04
64	3:45: 0	37.000	10940.52	1022.98	
65	4: 0: 0	37.250	7948.45		171.04
66	4:15: 0	37.500	10940.69	1023.35	
67	4:30: 0	37.750	7948.38		171.04
68	4:45: 0	38.000	10940.87	1023.73	
69	5: 0: 0	38.250	7948.37		171.04
70	5:15: 0	38.500	10941.03	1024.11	
71	5:30: 0	38.750	7948.43		171.04
72	5:45: 0	39.000	10941.19	1024.47	
73	6: 0: 0	39.250	7948.47		171.05
74	6:15: 0	39.500	10941.36	1024.83	
75	6:30: 0	39.750	7948.43		171.04
76	6:45: 0	40.000	10941.52	1025.20	
77	7: 0: 0	40.250	7948.45		171.04
78	7:15: 0	40.500	10941.69	1025.56	
79	7:30: 0	40.750	7948.40		171.04
80	7:45: 0	41.000	10941.85	1025.92	
81	8: 0: 0	41.250	7948.45		171.04
82	8:15: 0	41.500	10942.01	1026.29	
83	8:30: 0	41.750	7948.48		171.05
84	8:45: 0	42.000	10942.05	1026.38	
85	9: 0: 0	42.250	7948.45		171.04
86	9:15: 0	42.500	10942.09	1026.45	
87	9:30: 0	42.750	7948.43		171.04
88	9:45: 0	43.000	10942.12	1026.53	
89	10: 0: 0	43.250	7948.45		171.04
90	10:15: 0	43.500	10942.15	1026.59	
91	10:30: 0	43.750	7948.46		171.05
92	10:45: 0	44.000	10942.18	1026.65	
93	11: 0: 0	44.250	7948.43		171.04
94	11:15: 0	44.500	10942.21	1026.73	
95	11:30: 0	44.750	7948.43		171.04
96	11:45: 0	45.000	10942.24	1026.79	
97	12: 0: 0	45.250	7948.46		171.05
98	12:15: 0	45.500	10942.27	1026.86	
99	12:30: 0	45.750	7948.43		171.04
100	12:45: 0	46.000	10942.30	1026.94	

DATE: 11/24/87
GAUGE SN #69306
WELL # 0
TEST # 701

DATA FILE: 4

COMPANY: BMG
CLIENT:
WELL NAME: J-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7450' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	13: 0: 0	46.250	7948.41		171.04
2	13:15: 0	46.500	10942.33	1026.99	
3	13:30: 0	46.750	7948.37		171.04
4	13:45: 0	47.000	10942.36	1027.05	
5	14: 0: 0	47.250	7948.40		171.04
6	14:15: 0	47.500	10942.39	1027.12	
7	14:30: 0	47.750	7948.39		171.04
8	14:45: 0	48.000	10942.41	1027.17	
9	15: 0: 0	48.250	7948.40		171.04
10	15:15: 0	48.500	10942.44	1027.23	
11	15:30: 0	48.750	7948.37		171.04
12	15:45: 0	49.000	10942.47	1027.30	
13	16: 0: 0	49.250	7948.39		171.04
14	16:15: 0	49.500	10942.49	1027.36	
15	16:30: 0	49.750	7948.36		171.04
16	16:45: 0	50.000	10942.52	1027.41	
17	17: 0: 0	50.250	7948.34		171.04
18	17:15: 0	50.500	10942.54	1027.46	
19	17:30: 0	50.750	7948.34		171.04
20	17:45: 0	51.000	10942.56	1027.51	
21	18: 0: 0	51.250	7948.37		171.04
22	18:15: 0	51.500	10942.58	1027.56	
23	18:30: 0	51.750	7948.38		171.04
24	18:45: 0	52.000	10942.60	1027.59	
25	19: 0: 0	52.250	7948.35		171.04
26	19:15: 0	52.500	10942.63	1027.66	
27	19:30: 0	52.750	7948.36		171.04
28	19:45: 0	53.000	10942.65	1027.69	
29	20: 0: 0	53.250	7948.37		171.04
30	20:15: 0	53.500	10942.66	1027.73	
31	20:30: 0	53.750	7948.33		171.03
32	20:45: 0	54.000	10942.68	1027.78	
33	21: 0: 0	54.250	7948.35		171.04
34	21:15: 0	54.500	10942.70	1027.82	
35	21:30: 0	54.750	7948.38		171.04
36	21:45: 0	55.000	10942.72	1027.87	
37	22: 0: 0	55.250	7948.35		171.04
38	22:15: 0	55.500	10942.74	1027.90	
39	22:30: 0	55.750	7948.37		171.04
40	22:45: 0	56.000	10942.76	1027.94	
41	23: 0: 0	56.250	7948.35		171.04
42	23:15: 0	56.500	10942.77	1027.97	
43	23:30: 0	56.750	7948.37		171.04
44	23:45: 0	57.000	10942.78	1028.00	
45	0: 0: 0	57.250	7948.38		171.04
46	0:15: 0	57.500	10942.80	1028.04	
47	0:30: 0	57.750	7948.34		171.04
48	0:45: 0	58.000	10942.82	1028.08	
49	1: 0: 0	58.250	7948.37		171.04
50	1:15: 0	58.500	10942.83	1028.10	

DATE: 11/25/87
GAUGE SN #65306
WELL # 0
TEST # 701

DATA FILE: 4

COMPANY: BMG
CLIENT:
WELL NAME: J-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7450' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	1:30: 0	58.750	7948.36		171.04
52	1:45: 0	59.000	10942.85	1028.14	
53	2: 0: 0	59.250	7948.38		171.04
54	2:15: 0	59.500	10942.86	1028.17	
55	2:30: 0	59.750	7948.37		171.04
56	2:45: 0	60.000	10942.87	1028.19	
57	3: 0: 0	60.250	7948.37		171.04
58	3:15: 0	60.500	10942.88	1028.21	
59	3:30: 0	60.750	7948.31		171.03
60	3:45: 0	61.000	10942.90	1028.25	
61	4: 0: 0	61.250	7948.38		171.04
62	4:15: 0	61.500	10942.91	1028.28	
63	4:30: 0	61.750	7948.40		171.04
64	4:45: 0	62.000	10942.92	1028.30	
65	5: 0: 0	62.250	7948.39		171.04
66	5:15: 0	62.500	10942.94	1028.34	
67	5:30: 0	62.750	7948.40		171.04
68	5:45: 0	63.000	10942.94	1028.35	
69	6: 0: 0	63.250	7948.38		171.04
70	6:15: 0	63.500	10942.96	1028.39	
71	6:30: 0	63.750	7948.41		171.04
72	6:45: 0	64.000	10942.96	1028.40	
73	7: 0: 0	64.250	7948.39		171.04
74	7:15: 0	64.500	10942.97	1028.43	
75	7:30: 0	64.750	7948.43		171.04
76	7:45: 0	65.000	10942.98	1028.44	
77	8: 0: 0	65.250	7948.49		171.05
78	8:15: 0	65.500	10942.99	1028.46	
79	8:30: 0	65.750	7948.42		171.04
80	8:45: 0	66.000	10943.01	1028.50	
81	9: 0: 0	66.250	7948.47		171.05
82	9:15: 0	66.500	10943.01	1028.51	
83	9:30: 0	66.750	7948.48		171.05
84	9:45: 0	67.000	10943.02	1028.54	
85	10: 0: 0	67.250	7948.56		171.05
86	10:15: 0	67.500	10943.03	1028.55	
87	10:30: 0	67.750	7948.54		171.05
88	10:45: 0	68.000	10943.04	1028.58	
89	11: 0: 0	68.250	7948.54		171.05
90	11:15: 0	68.500	10943.05	1028.59	
91	11:30: 0	68.750	7948.55		171.05
92	11:45: 0	69.000	10943.06	1028.61	
93	12: 0: 0	69.250	7948.54		171.05
94	12:15: 0	69.500	10943.22	1028.97	
95	12:30: 0	69.750	7948.67		171.06
96	12:45: 0	70.000	10944.14	1031.02	
97	13: 0: 0	70.250	7948.73		171.07
98	13:15: 0	70.500	10945.46	1033.97	
99	13:30: 0	70.750	7948.76		171.07
100	13:45: 0	71.000	10946.39	1036.03	

DATE: 11/25/87
GAUGE SN #89306
WELL # 0
TEST # 701

DATA FILE: 5

COMPANY: BMG
CLIENT:
WELL NAME: J-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7450' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	14: 0: 0	71.250	7948.72		171.07
2	14:15: 0	71.500	10946.88	1037.11	
3	14:30: 0	71.750	7948.73		171.07
4	14:45: 0	72.000	10946.96	1037.31	
5	15: 0: 0	72.250	7948.67		171.06
6	15:15: 0	72.500	10946.79	1036.91	
7	15:30: 0	72.750	7948.71		171.07
8	15:45: 0	73.000	10946.51	1036.29	
9	16: 0: 0	73.250	7948.61		171.06
10	16:15: 0	73.500	10946.23	1035.68	
11	16:30: 0	73.750	7948.61		171.06
12	16:45: 0	74.000	10945.95	1035.05	
13	17: 0: 0	74.250	7948.66		171.06
14	17:15: 0	74.500	10945.69	1034.46	
15	17:30: 0	74.750	7948.64		171.06
16	17:45: 0	75.000	10945.45	1033.93	
17	18: 0: 0	75.250	7948.61		171.06
18	18:15: 0	75.500	10945.25	1033.48	
19	18:30: 0	75.750	7948.66		171.06
20	18:45: 0	76.000	10945.06	1033.07	
21	19: 0: 0	76.250	7948.67		171.06
22	19:15: 0	76.500	10944.91	1032.72	
23	19:30: 0	76.750	7948.69		171.06
24	19:45: 0	77.000	10944.75	1032.39	
25	20: 0: 0	77.250	7948.69		171.06
26	20:15: 0	77.500	10944.63	1032.10	
27	20:30: 0	77.750	7948.75		171.07
28	20:45: 0	78.000	10944.51	1031.85	
29	21: 0: 0	78.250	7948.79		171.07
30	21:15: 0	78.500	10944.43	1031.67	
31	21:30: 0	78.750	7948.81		171.07
32	21:45: 0	79.000	10944.36	1031.51	
33	22: 0: 0	79.250	7948.76		171.07
34	22:15: 0	79.500	10944.30	1031.37	
35	22:30: 0	79.750	7948.85		171.08
36	22:45: 0	80.000	10944.24	1031.25	
37	23: 0: 0	80.250	7948.79		171.07
38	23:15: 0	80.500	10944.19	1031.14	
39	23:30: 0	80.750	7948.78		171.07
40	23:45: 0	81.000	10944.15	1031.04	
41	0: 0: 0	81.250	7948.84		171.08
42	0:15: 0	81.500	10944.10	1030.94	
43	0:30: 0	81.750	7948.83		171.08
44	0:45: 0	82.000	10944.06	1030.85	
45	1: 0: 0	82.250	7948.93		171.08
46	1:15: 0	82.500	10944.03	1030.78	
47	1:30: 0	82.750	7948.90		171.08
48	1:45: 0	83.000	10944.00	1030.70	
49	2: 0: 0	83.250	7948.86		171.08
50	2:15: 0	83.500	10943.97	1030.64	

DATE: 11/26/37
GAUGE SN #69306
WELL # 0
TEST # 701

DATA FILE: 5

COMPANY: BMG
CLIENT:
WELL NAME: J-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7450' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	2:30: 0	83.750	7948.86		171.08
52	2:45: 0	84.000	10943.95	1030.60	
53	3: 0: 0	84.250	7948.92		171.08
54	3:15: 0	84.500	10943.93	1030.56	
55	3:30: 0	84.750	7948.92		171.08
56	3:45: 0	85.000	10943.92	1030.53	
57	4: 0: 0	85.250	7948.97		171.09
58	4:15: 0	85.500	10943.91	1030.50	
59	4:30: 0	85.750	7948.91		171.08
60	4:45: 0	86.000	10943.90	1030.48	
61	5: 0: 0	86.250	7948.86		171.08
62	5:15: 0	86.500	10943.90	1030.48	
63	5:30: 0	86.750	7948.97		171.09
64	5:45: 0	87.000	10943.88	1030.45	
65	6: 0: 0	87.250	7949.00		171.09
66	6:15: 0	87.500	10943.88	1030.45	
67	6:30: 0	87.750	7948.96		171.09
68	6:45: 0	88.000	10943.88	1030.45	
69	7: 0: 0	88.250	7948.92		171.08
70	7:15: 0	88.500	10943.88	1030.44	
71	7:30: 0	88.750	7948.97		171.09
72	7:45: 0	89.000	10943.88	1030.45	
73	8: 0: 0	89.250	7949.02		171.09
74	8:15: 0	89.500	10943.88	1030.45	
75	8:30: 0	89.750	7949.05		171.09
76	8:45: 0	90.000	10943.88	1030.44	
77	9: 0: 0	90.250	7948.97		171.09
78	9:15: 0	90.500	10943.88	1030.45	
79	9:30: 0	90.750	7949.00		171.09
80	9:45: 0	91.000	10943.88	1030.45	
81	10: 0: 0	91.250	7949.04		171.09
82	10:15: 0	91.500	10943.88	1030.45	
83	10:30: 0	91.750	7949.03		171.09
84	10:45: 0	92.000	10943.89	1030.47	
85	11: 0: 0	92.250	7949.10		171.10
86	11:15: 0	92.500	10943.89	1030.47	
87	11:30: 0	92.750	7949.09		171.10
88	11:45: 0	93.000	10943.90	1030.48	
89	12: 0: 0	93.250	7949.10		171.10
90	12:15: 0	93.500	10943.90	1030.49	
91	12:30: 0	93.750	7949.13		171.10
92	12:45: 0	94.000	10943.90	1030.48	
93	13: 0: 0	94.250	7949.14		171.10
94	13:15: 0	94.500	10943.90	1030.49	
95	13:30: 0	94.750	7949.16		171.10
96	13:45: 0	95.000	10943.91	1030.52	
97	14: 0: 0	95.250	7949.15		171.10
98	14:15: 0	95.500	10943.91	1030.52	
99	14:30: 0	95.750	7949.15		171.10
100	14:45: 0	96.000	10943.92	1030.53	

DATE: 11/26/37
GAUGE SN #69306
WELL # 0
TEST # 701

DATA FILE: 3

COMPANY: BMG
CLIENT:
WELL NAME: J-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7450' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	15: 0: 0	96.250	7949.13		171.10
2	15:15: 0	96.500	10943.91	1030.52	
3	15:30: 0	96.750	7949.16		171.10
4	15:45: 0	97.000	10943.92	1030.53	
5	16: 0: 0	97.250	7949.13		171.10
6	16:15: 0	97.500	10943.92	1030.54	
7	16:30: 0	97.750	7949.21		171.11
8	16:45: 0	98.000	10943.93	1030.55	
9	17: 0: 0	98.250	7949.16		171.10
10	17:15: 0	98.500	10943.93	1030.55	
11	17:30: 0	98.750	7949.17		171.10
12	17:45: 0	99.000	10943.93	1030.57	
13	18: 0: 0	99.250	7949.20		171.11
14	18:15: 0	99.500	10943.93	1030.57	
15	18:30: 0	99.750	7949.17		171.10
16	18:45: 0	100.000	10943.94	1030.58	
17	19: 0: 0	100.250	7949.14		171.10
18	19:15: 0	100.500	10943.94	1030.58	
19	19:30: 0	100.750	7949.12		171.10
20	19:45: 0	101.000	10943.95	1030.59	
21	20: 0: 0	101.250	7949.12		171.10
22	20:15: 0	101.500	10943.95	1030.60	
23	20:30: 0	101.750	7949.10		171.10
24	20:45: 0	102.000	10943.95	1030.60	
25	21: 0: 0	102.250	7949.12		171.10
26	21:15: 0	102.500	10943.96	1030.62	
27	21:30: 0	102.750	7949.14		171.10
28	21:45: 0	103.000	10943.96	1030.62	
29	22: 0: 0	103.250	7949.16		171.10
30	22:15: 0	103.500	10943.97	1030.64	
31	22:30: 0	103.750	7949.12		171.10
32	22:45: 0	104.000	10943.97	1030.64	
33	23: 0: 0	104.250	7949.21		171.11
34	23:15: 0	104.500	10943.97	1030.65	
35	23:30: 0	104.750	7949.22		171.11
36	23:45: 0	105.000	10943.97	1030.65	
37	0: 0: 0	105.250	7949.27		171.11
38	0:15: 0	105.500	10943.98	1030.67	
39	0:30: 0	105.750	7949.21		171.11
40	0:45: 0	106.000	10943.98	1030.68	
41	1: 0: 0	106.250	7949.23		171.11
42	1:15: 0	106.500	10943.99	1030.69	
43	1:30: 0	106.750	7949.19		171.11
44	1:45: 0	107.000	10943.99	1030.69	
45	2: 0: 0	107.250	7949.22		171.11
46	2:15: 0	107.500	10944.00	1030.70	
47	2:30: 0	107.750	7949.19		171.10
48	2:45: 0	108.000	10944.01	1030.73	
49	3: 0: 0	108.250	7949.16		171.10
50	3:15: 0	108.500	10944.01	1030.73	

DATE: 11/27/37
GAUGE SN #69306
WELL # 0
TEST # 701

COMPANY: BMG
CLIENT:
WELL NAME: J-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: 8HP @ 7450' GL

DATA FILE: 5

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	3:30: 0	108.750	7949.20		171.11
52	3:45: 0	109.000	10944.01	1030.74	
53	4: 0: 0	109.250	7949.26		171.11
54	4:15: 0	109.500	10944.02	1030.75	
55	4:30: 0	109.750	7949.22		171.11
56	4:45: 0	110.000	10944.02	1030.77	
57	5: 0: 0	110.250	7949.26		171.11
58	5:15: 0	110.500	10944.02	1030.75	
59	5:30: 0	110.750	7949.35		171.12
60	5:45: 0	111.000	10944.02	1030.77	
61	6: 0: 0	111.250	7949.30		171.11
62	6:15: 0	111.500	10944.03	1030.78	
63	6:30: 0	111.750	7949.34		171.12
64	6:45: 0	112.000	10944.04	1030.80	
65	7: 0: 0	112.250	7949.38		171.12
66	7:15: 0	112.500	10944.04	1030.80	
67	7:30: 0	112.750	7949.41		171.12
68	7:45: 0	113.000	10944.05	1030.82	
69	8: 0: 0	113.250	7949.36		171.12
70	8:15: 0	113.500	10944.05	1030.83	
71	8:30: 0	113.750	7949.40		171.12
72	8:45: 0	114.000	10944.06	1030.84	
73	9: 0: 0	114.250	7949.46		171.13
74	9:15: 0	114.500	10944.06	1030.84	
75	9:30: 0	114.750	7949.48		171.13
76	9:45: 0	115.000	10944.06	1030.85	
77	10: 0: 0	115.250	7949.48		171.13
78	10:15: 0	115.500	10944.07	1030.87	
79	10:30: 0	115.750	7949.46		171.13
80	10:45: 0	116.000	10944.07	1030.88	
81	11: 0: 0	116.250	7949.44		171.13
82	11:15: 0	116.500	10944.08	1030.89	
83	11:30: 0	116.750	7949.44		171.13
84	11:45: 0	117.000	10944.08	1030.89	
85	12: 0: 0	117.250	7949.49		171.13
86	12:15: 0	117.500	10944.08	1030.90	
87	12:30: 0	117.750	7949.52		171.13
88	12:45: 0	118.000	10944.09	1030.92	
89	13: 0: 0	118.250	7949.53		171.13
90	13:15: 0	118.500	10944.09	1030.92	
91	13:30: 0	118.750	7949.46		171.13
92	13:45: 0	119.000	10944.09	1030.92	
93	14: 0: 0	119.250	7949.52		171.13
94	14:15: 0	119.500	10944.09	1030.92	
95	14:30: 0	119.750	7949.53		171.13
96	14:45: 0	120.000	10944.10	1030.93	
97	15: 0: 0	120.250	7949.53		171.13
98	15:15: 0	120.500	10944.09	1030.92	
99	15:30: 0	120.750	7949.58		171.14
100	15:45: 0	121.000	10944.10	1030.93	

DATE: 11/27/87
GAUGE SN #69306
WELL # 0
TEST # 701

COMPANY: BMG
CLIENT:
WELL NAME: J-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7450' GL

DATA FILE: 7

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	16: 0: 0	121.250	7949.50		171.13
2	16:15: 0	121.500	10944.09	1030.92	
3	16:30: 0	121.750	7949.51		171.13
4	16:45: 0	122.000	10944.10	1030.93	
5	17: 0: 0	122.250	7949.49		171.13
6	17:15: 0	122.500	10944.10	1030.94	
7	17:30: 0	122.750	7949.56		171.14
8	17:45: 0	123.000	10944.10	1030.94	
9	18: 0: 0	123.250	7949.53		171.13
10	18:15: 0	123.500	10944.10	1030.93	
11	18:30: 0	123.750	7949.59		171.14
12	18:45: 0	124.000	10944.10	1030.94	
13	19: 0: 0	124.250	7949.62		171.14
14	19:15: 0	124.500	10944.10	1030.93	
15	19:30: 0	124.750	7949.62		171.14
16	19:45: 0	125.000	10944.10	1030.93	
17	20: 0: 0	125.250	7949.62		171.14
18	20:15: 0	125.500	10944.10	1030.94	
19	20:30: 0	125.750	7949.60		171.14
20	20:45: 0	126.000	10944.10	1030.94	
21	21: 0: 0	126.250	7949.60		171.14
22	21:15: 0	126.500	10944.11	1030.95	
23	21:30: 0	126.750	7949.66		171.14
24	21:45: 0	127.000	10944.11	1030.95	
25	22: 0: 0	127.250	7949.62		171.14
26	22:15: 0	127.500	10944.10	1030.94	
27	22:30: 0	127.750	7949.67		171.14
28	22:45: 0	128.000	10944.11	1030.96	
29	23: 0: 0	128.250	7949.62		171.14
30	23:15: 0	128.500	10944.11	1030.95	
31	23:30: 0	128.750	7949.70		171.15
32	23:45: 0	129.000	10944.11	1030.96	
33	0: 0: 0	129.250	7949.68		171.15
34	0:15: 0	129.500	10944.11	1030.96	
35	0:30: 0	129.750	7949.72		171.15
36	0:45: 0	130.000	10944.10	1030.94	
37	1: 0: 0	130.250	7949.70		171.15
38	1:15: 0	130.500	10944.10	1030.94	
39	1:30: 0	130.750	7949.71		171.15
40	1:45: 0	131.000	10944.10	1030.94	
41	2: 0: 0	131.250	7949.69		171.15
42	2:15: 0	131.500	10944.10	1030.94	
43	2:30: 0	131.750	7949.70		171.15
44	2:45: 0	132.000	10944.11	1030.96	
45	3: 0: 0	132.250	7949.80		171.16
46	3:15: 0	132.500	10944.11	1030.96	
47	3:30: 0	132.750	7949.78		171.15
48	3:45: 0	133.000	10944.10	1030.94	
49	4: 0: 0	133.250	7949.74		171.15
50	4:15: 0	133.500	10944.11	1030.96	

DATE: 11/28/87
GAUGE SN #85306
WELL # 0
TEST # 701

COMPANY: BMG
CLIENT:
WELL NAME: J-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7450' GL

DATA FILE: 7

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	4:30: 0	133.750	7949.79		171.15
52	4:45: 0	134.000	10944.10	1030.94	
53	5: 0: 0	134.250	7949.75		171.15
54	5:15: 0	134.500	10944.11	1030.96	
55	5:30: 0	134.750	7949.77		171.15
56	5:45: 0	135.000	10944.10	1030.94	
57	6: 0: 0	135.250	7949.81		171.16
58	6:15: 0	135.500	10944.11	1030.96	
59	6:30: 0	135.750	7949.81		171.16
60	6:45: 0	136.000	10944.11	1030.97	
61	7: 0: 0	136.250	7949.79		171.15
62	7:15: 0	136.500	10944.11	1030.97	
63	7:30: 0	136.750	7949.84		171.16
64	7:45: 0	137.000	10944.12	1030.99	
65	8: 0: 0	137.250	7949.83		171.16
66	8:15: 0	137.500	10944.13	1031.01	
67	8:30: 0	137.750	7949.84		171.16
68	8:45: 0	138.000	10944.13	1031.01	
69	9: 0: 0	138.250	7949.88		171.16
70	9:15: 0	138.500	10944.14	1031.03	
71	9:30: 0	138.750	7949.86		171.16
72	9:45: 0	139.000	10944.15	1031.04	
73	10: 0: 0	139.250	7949.86		171.16
74	10:15: 0	139.500	10944.15	1031.06	
75	10:30: 0	139.750	7949.85		171.16
76	10:45: 0	140.000	10944.16	1031.08	
77	11: 0: 0	140.250	7949.88		171.16
78	11:15: 0	140.500	10944.16	1031.07	
79	11:30: 0	140.750	7949.87		171.16
80	11:45: 0	141.000	10944.16	1031.08	
81	12: 0: 0	141.250	7949.88		171.16
82	12:15: 0	141.500	10944.17	1031.11	
83	12:30: 0	141.750	7949.86		171.16
84	12:45: 0	142.000	10944.17	1031.11	
85	13: 0: 0	142.250	7949.86		171.16
86	13:15: 0	142.500	10944.18	1031.12	
87	13:30: 0	142.750	7949.92		171.17
88	13:45: 0	143.000	10944.18	1031.12	
89	14: 0: 0	143.250	7949.88		171.16
90	14:15: 0	143.500	10944.19	1031.13	
91	14:30: 0	143.750	7949.89		171.16
92	14:45: 0	144.000	10944.19	1031.13	
93	15: 0: 0	144.250	7949.93		171.17
94	15:15: 0	144.500	10944.20	1031.16	
95	15:30: 0	144.750	7949.91		171.16
96	15:45: 0	145.000	10944.20	1031.16	
97	16: 0: 0	145.250	7949.87		171.16
98	16:15: 0	145.500	10944.21	1031.18	
99	16:30: 0	145.750	7949.92		171.17
100	16:45: 0	146.000	10944.21	1031.18	

DATE: 11/28/87
GAUGE SN #69306
WELL # 0
TEST # 701

DATA FILE: 8

COMPANY: BMG
CLIENT:
WELL NAME: J-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7450' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	17: 0: 0	146.250	7949.94		171.17
2	17:15: 0	146.500	10944.21	1031.19	
3	17:30: 0	146.750	7949.93		171.17
4	17:45: 0	147.000	10944.22	1031.21	
5	18: 0: 0	147.250	7949.92		171.16
6	18:15: 0	147.500	10944.22	1031.22	
7	18:30: 0	147.750	7949.93		171.17
8	18:45: 0	148.000	10944.23	1031.23	
9	19: 0: 0	148.250	7949.99		171.17
10	19:15: 0	148.500	10944.23	1031.23	
11	19:30: 0	148.750	7949.99		171.17
12	19:45: 0	149.000	10944.24	1031.26	
13	20: 0: 0	149.250	7949.97		171.17
14	20:15: 0	149.500	10944.25	1031.27	
15	20:30: 0	149.750	7950.02		171.17
16	20:45: 0	150.000	10944.26	1031.29	
17	21: 0: 0	150.250	7949.99		171.17
18	21:15: 0	150.500	10944.26	1031.30	
19	21:30: 0	150.750	7950.05		171.18
20	21:45: 0	151.000	10944.27	1031.32	
21	22: 0: 0	151.250	7950.03		171.17
22	22:15: 0	151.500	10944.27	1031.33	
23	22:30: 0	151.750	7950.09		171.18
24	22:45: 0	152.000	10944.29	1031.36	
25	23: 0: 0	152.250	7950.03		171.17
26	23:15: 0	152.500	10944.30	1031.38	
27	23:30: 0	152.750	7950.06		171.18
28	23:45: 0	153.000	10944.30	1031.39	
29	0: 0: 0	153.250	7950.06		171.18
30	0:15: 0	153.500	10944.31	1031.42	
31	0:30: 0	153.750	7950.07		171.18
32	0:45: 0	154.000	10944.32	1031.43	
33	1: 0: 0	154.250	7950.14		171.18
34	1:15: 0	154.500	10944.33	1031.46	
35	1:30: 0	154.750	7950.03		171.17
36	1:45: 0	155.000	10944.34	1031.47	
37	2: 0: 0	155.250	7950.02		171.17
38	2:15: 0	155.500	10944.35	1031.49	
39	2:30: 0	155.750	7949.99		171.17
40	2:45: 0	156.000	10944.36	1031.52	
41	3: 0: 0	156.250	7950.06		171.18
42	3:15: 0	156.500	10944.36	1031.53	
43	3:30: 0	156.750	7950.03		171.17
44	3:45: 0	157.000	10944.37	1031.54	
45	4: 0: 0	157.250	7950.08		171.18
46	4:15: 0	157.500	10944.38	1031.57	
47	4:30: 0	157.750	7950.08		171.18
48	4:45: 0	158.000	10944.39	1031.58	
49	5: 0: 0	158.250	7950.06		171.18
50	5:15: 0	158.500	10944.39	1031.59	

DATE: 11/29/37
GAUGE SN #69306
WELL # 0
TEST # 701

COMPANY: BMG
CLIENT:
WELL NAME: J-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7450' 6L

DATA FILE: 8

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	5:30: 0	158.750	7950.06		171.18
52	5:45: 0	159.000	10944.40	1031.62	
53	6: 0: 0	159.250	7950.04		171.18
54	6:15: 0	159.500	10944.41	1031.64	
55	6:30: 0	159.750	7950.06		171.18
56	6:45: 0	160.000	10944.43	1031.67	
57	7: 0: 0	160.250	7950.11		171.18
58	7:15: 0	160.500	10944.44	1031.69	
59	7:30: 0	160.750	7950.11		171.18
60	7:45: 0	161.000	10944.45	1031.72	
61	8: 0: 0	161.250	7950.13		171.18
62	8:15: 0	161.500	10944.46	1031.74	
63	8:30: 0	161.750	7950.09		171.18
64	8:45: 0	162.000	10944.47	1031.77	
65	9: 0: 0	162.250	7950.12		171.18
66	9:15: 0	162.500	10944.49	1031.80	
67	9:30: 0	162.750	7950.08		171.18
68	9:45: 0	163.000	10944.49	1031.81	
69	10: 0: 0	163.250	7950.07		171.18
70	10:15: 0	163.500	10944.50	1031.84	
71	10:30: 0	163.750	7950.12		171.18
72	10:45: 0	164.000	10944.51	1031.85	
73	11: 0: 0	164.250	7950.13		171.18
74	11:15: 0	164.500	10944.52	1031.88	
75	11:30: 0	164.750	7950.17		171.19
76	11:45: 0	165.000	10944.53	1031.89	
77	12: 0: 0	165.250	7950.16		171.19
78	12:15: 0	165.500	10944.54	1031.91	
79	12:30: 0	165.750	7950.16		171.18
80	12:45: 0	166.000	10944.55	1031.94	
81	13: 0: 0	166.250	7950.17		171.19
82	13:15: 0	166.500	10944.56	1031.96	
83	13:30: 0	166.750	7950.12		171.18
84	13:45: 0	167.000	10944.56	1031.98	
85	14: 0: 0	167.250	7950.13		171.18
86	14:15: 0	167.500	10944.57	1031.99	
87	14:30: 0	167.750	7950.18		171.19
88	14:45: 0	168.000	10944.58	1032.01	
89	15: 0: 0	168.250	7950.16		171.19
90	15:15: 0	168.500	10944.59	1032.03	
91	15:30: 0	168.750	7950.13		171.18
92	15:45: 0	169.000	10944.59	1032.04	
93	16: 0: 0	169.250	7950.13		171.18
94	16:15: 0	169.500	10944.60	1032.06	
95	16:30: 0	169.750	7950.21		171.19
96	16:45: 0	170.000	10944.62	1032.09	
97	17: 0: 0	170.250	7950.19		171.19
98	17:15: 0	170.500	10944.63	1032.11	
99	17:30: 0	170.750	7950.23		171.19
100	17:45: 0	171.000	10944.63	1032.13	

DATE: 11/29/87
GAUGE SN #65306
WELL # 0
TEST # 701

DATA FILE: 9

COMPANY: BMG
CLIENT:
WELL NAME: J-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7450' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	18: 0: 0	171.250	7950.17		171.19
2	18:15: 0	171.500	10944.64	1032.14	
3	18:30: 0	171.750	7950.19		171.19
4	18:45: 0	172.000	10944.65	1032.16	
5	19: 0: 0	172.250	7950.23		171.19
6	19:15: 0	172.500	10944.66	1032.19	
7	19:30: 0	172.750	7950.22		171.19
8	19:45: 0	173.000	10944.67	1032.20	
9	20: 0: 0	173.250	7950.21		171.19
10	20:15: 0	173.500	10944.67	1032.21	
11	20:30: 0	173.750	7950.22		171.19
12	20:45: 0	174.000	10944.68	1032.24	
13	21: 0: 0	174.250	7950.23		171.19
14	21:15: 0	174.500	10944.69	1032.26	
15	21:30: 0	174.750	7950.25		171.19
16	21:45: 0	175.000	10944.70	1032.29	
17	22: 0: 0	175.250	7950.28		171.19
18	22:15: 0	175.500	10944.71	1032.30	
19	22:30: 0	175.750	7950.27		171.19
20	22:45: 0	176.000	10944.72	1032.31	
21	23: 0: 0	176.250	7950.28		171.19
22	23:15: 0	176.500	10944.72	1032.33	
23	23:30: 0	176.750	7950.27		171.19
24	23:45: 0	177.000	10944.73	1032.35	
25	0: 0: 0	177.250	7950.23		171.19
26	0:15: 0	177.500	10944.74	1032.36	
27	0:30: 0	177.750	7950.23		171.19
28	0:45: 0	178.000	10944.75	1032.39	
29	1: 0: 0	178.250	7950.23		171.19
30	1:15: 0	178.500	10944.75	1032.40	
31	1:30: 0	178.750	7950.26		171.19
32	1:45: 0	179.000	10944.77	1032.42	
33	2: 0: 0	179.250	7950.28		171.19
34	2:15: 0	179.500	10944.77	1032.44	
35	2:30: 0	179.750	7950.28		171.20
36	2:45: 0	180.000	10944.78	1032.46	
37	3: 0: 0	180.250	7950.30		171.20
38	3:15: 0	180.500	10944.79	1032.47	
39	3:30: 0	180.750	7950.35		171.20
40	3:45: 0	181.000	10944.80	1032.50	
41	4: 0: 0	181.250	7950.34		171.20
42	4:15: 0	181.500	10944.80	1032.51	
43	4:30: 0	181.750	7950.34		171.20
44	4:45: 0	182.000	10944.82	1032.54	
45	5: 0: 0	182.250	7950.33		171.20
46	5:15: 0	182.500	10944.82	1032.54	
47	5:30: 0	182.750	7950.30		171.20
48	5:45: 0	183.000	10944.83	1032.56	
49	6: 0: 0	183.250	7950.29		171.20
50	6:15: 0	183.500	10944.83	1032.57	

DATE: 11/30/87
GAUGE SN #69306
WELL # 0
TEST # 701

COMPANY: BMS
CLIENT:
WELL NAME: J-S
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7450' GL

DATA FILE: 9

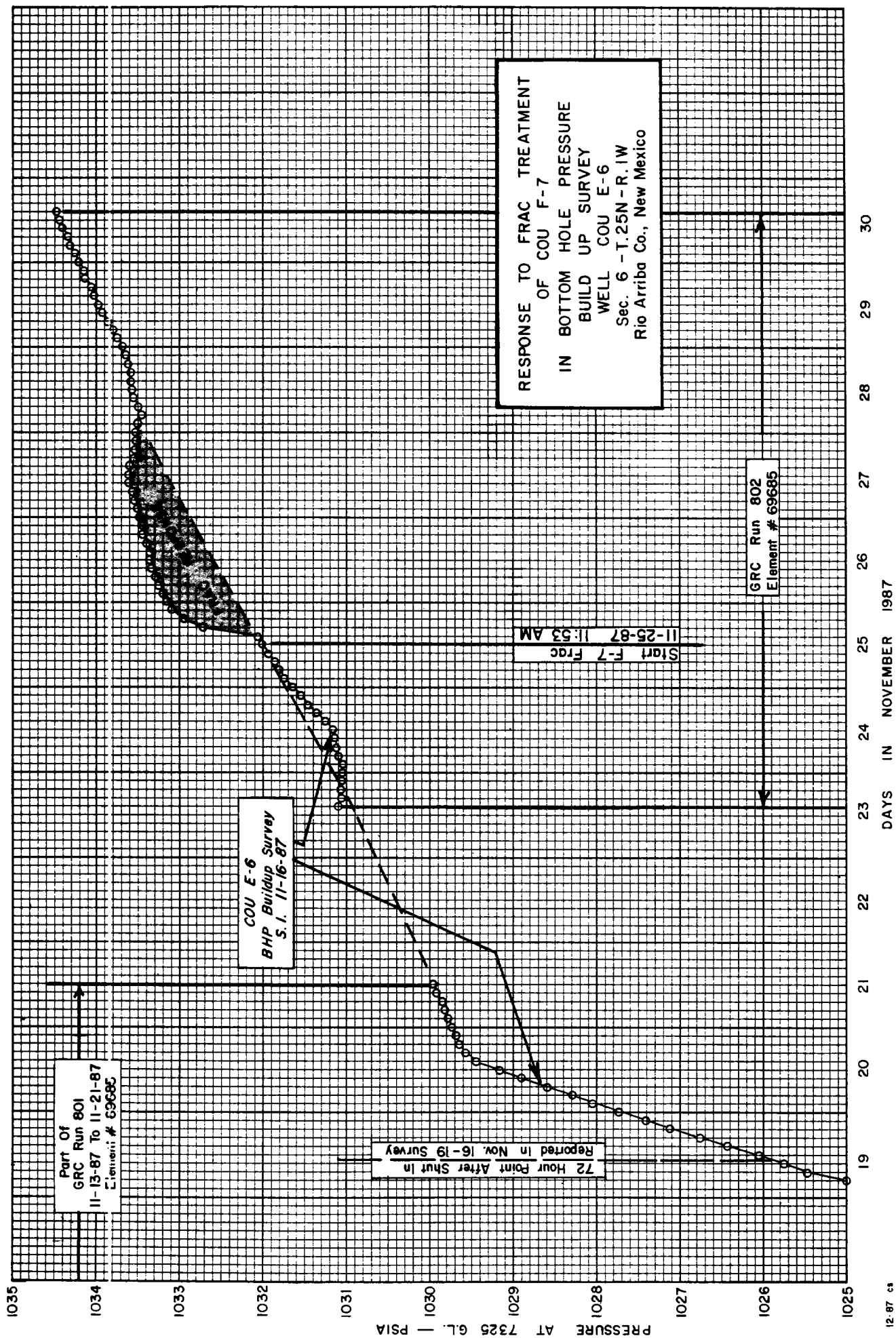
DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	6:30: 0	183.750	7950.31		171.20
52	6:45: 0	184.000	10944.84	1032.60	
53	7: 0: 0	184.250	7950.32		171.20
54	7:15: 0	184.500	10944.85	1032.61	
55	7:30: 0	184.750	7950.28		171.20
56	7:45: 0	185.000	10944.86	1032.64	
57	8: 0: 0	185.250	7950.31		171.20
58	8:15: 0	185.500	10944.87	1032.65	
59	8:30: 0	185.750	7950.33		171.20
60	8:45: 0	186.000	10944.88	1032.67	
61	9: 0: 0	186.250	7950.33		171.20
62	9:15: 0	186.500	10944.88	1032.69	
63	9:30: 0	186.750	7950.38		171.20
64	9:45: 0	187.000	10944.89	1032.70	
65	10: 0: 0	187.250	7950.33		171.20
66	10:15: 0	187.500	10944.91	1032.74	
67	10:30: 0	187.750	7950.31		171.20
68	10:45: 0	188.000	10944.91	1032.74	
69	11: 0: 0	188.250	7950.34		171.20
70	11:15: 0	188.500	10944.92	1032.76	
71	11:30: 0	188.750	7950.32		171.20
72	11:45: 0	189.000	10944.92	1032.76	
73	12: 0: 0	189.250	7950.33		171.20
74	12:15: 0	189.500	10944.93	1032.79	
75	12:30: 0	189.750	7950.35		171.20
76	12:45: 0	190.000	10944.93	1032.80	
77	13: 0: 0	190.250	7950.42		171.21
78	13:15: 0	190.500	10944.93	1032.80	
79	13:30: 0	190.750	7950.40		171.20

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EVIDENCE OF COMMUNICATION
CANADA OUITOS UNIT F-7 FRAC TREATMENT
NOVEMBER 25, 1987

As set out in the previous section, communication from the COU F-7 frac treatment of November 25, 1987 was observed in all three observation wells, COU J-6, COU E-6 and COU D-17. Data for the E-6 observation well are in this Section H.

Also as noted with respect to the data for the J-6 well, all wells in Township 25 North, Range 1 West were shut in for this test.



DATE: 11/13/87
GAUGE SN #69685
WELL # 0
TEST # 801

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA FILE: 1

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	10: 7: 0	0.000	6740.29		74.65
2	10:10: 0	0.050	10620.81	11.01	
3	10:13: 0	0.100	6737.68		74.45
4	10:16: 0	0.150	10621.17	11.31	
5	10:19: 0	0.200	6708.85		72.24
6	10:22: 0	0.250	10621.41	11.31	
7	10:25: 0	0.300	6697.87		71.40
8	10:28: 0	0.350	10621.57	11.38	
9	10:31: 0	0.400	6690.28		70.91
10	10:34: 0	0.450	10621.67	11.42	
11	10:37: 0	0.500	6682.32		70.20
12	10:40: 0	0.550	10621.75	11.43	
13	10:43: 0	0.600	6675.54		69.68
14	10:46: 0	0.650	10621.74	11.38	
15	10:49: 0	0.700	6669.78		69.24
16	10:52: 0	0.750	10621.70	11.30	
17	10:55: 0	0.800	6663.86		68.79
18	10:58: 0	0.850	10621.75	11.30	
19	11: 1: 0	0.900	6658.45		68.37
20	11: 4: 0	0.950	10621.81	11.32	
21	11: 7: 0	1.000	6654.39		68.06
22	11:10: 0	1.050	10621.79	11.27	
23	11:13: 0	1.100	6651.42		67.84
24	11:16: 0	1.150	10621.72	11.19	
25	11:19: 0	1.200	6650.85		67.79
26	11:22: 0	1.250	10621.66	11.13	
27	11:25: 0	1.300	6652.72		67.94
28	11:28: 0	1.350	10621.25	10.78	
29	11:31: 0	1.400	6652.99		67.96
30	11:34: 0	1.450	10621.02	10.58	
31	11:37: 0	1.500	6650.22		67.74
32	11:40: 0	1.550	10621.07	10.60	
33	11:43: 0	1.600	6646.49		67.46
34	11:46: 0	1.650	10620.95	10.47	
35	11:49: 0	1.700	6642.29		67.14
36	11:52: 0	1.750	10620.97	10.46	
37	11:55: 0	1.800	6638.46		66.84
38	11:58: 0	1.850	10621.05	10.51	
39	12: 1: 0	1.900	6635.32		66.60
40	12: 4: 0	1.950	10621.10	10.53	
41	12: 7: 0	2.000	6633.16		66.44
42	12:10: 0	2.050	10620.98	10.41	
43	12:13: 0	2.100	6631.27		66.29
44	12:16: 0	2.150	10620.92	10.34	
45	12:19: 0	2.200	6630.26		66.22
46	12:22: 0	2.250	10620.74	10.17	
47	12:25: 0	2.300	6628.23		66.06
48	12:28: 0	2.350	10620.95	10.35	
49	12:31: 0	2.400	6624.99		65.81
50	12:34: 0	2.450	10621.08	10.44	

DATE: 11/13/37
GAUGE SN #69385
WELL # 0
TEST # 301

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA FILE: 1

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	12:37: 0	2.500	6622.04		65.59
52	12:40: 0	2.550	10621.11	10.44	
53	12:43: 0	2.600	6619.44		65.39
54	12:46: 0	2.650	10621.07	10.39	
55	12:49: 0	2.700	6617.35		65.23
56	12:52: 0	2.750	10620.90	10.22	
57	12:55: 0	2.800	6615.94		65.12
58	12:58: 0	2.850	10621.05	10.35	
59	13: 1: 0	2.900	6613.98		64.97
60	13: 4: 0	2.950	10621.15	10.42	
61	13: 7: 0	3.000	6611.90		64.81
62	13:10: 0	3.050	10620.97	10.25	
63	13:13: 0	3.100	6610.83		64.73
64	13:16: 0	3.150	10620.98	10.25	
65	13:19: 0	3.200	6610.71		64.72
66	13:22: 0	3.250	10620.84	10.13	
67	13:25: 0	3.300	6611.50		64.78
68	13:28: 0	3.350	10620.76	10.07	
69	13:31: 0	3.400	6612.28		64.84
70	13:34: 0	3.450	10620.90	10.19	
71	13:37: 0	3.500	6612.57		64.86
72	13:40: 0	3.550	10620.95	10.24	
73	13:43: 0	3.600	6613.39		64.92
74	13:46: 0	3.650	10620.92	10.21	
75	13:49: 0	3.700	6614.80		65.03
76	13:52: 0	3.750	10620.80	10.12	
77	13:55: 0	3.800	6617.39		65.23
78	13:58: 0	3.850	10620.72	10.07	
79	14: 1: 0	3.900	6620.35		65.46
80	14: 4: 0	3.950	10620.73	10.09	
81	14: 7: 0	4.000	6622.41		65.61
82	14:10: 0	4.050	10620.73	10.11	
83	14:13: 0	4.100	6623.84		65.72
84	14:16: 0	4.150	10620.65	10.05	
85	14:19: 0	4.200	6625.43		65.85
86	14:22: 0	4.250	10620.60	10.02	
87	14:25: 0	4.300	6625.61		65.86
88	14:28: 0	4.350	10620.63	10.04	
89	14:31: 0	4.400	6623.37		65.69
90	14:34: 0	4.450	10620.70	10.09	
91	14:37: 0	4.500	6620.97		65.50
92	14:40: 0	4.550	10620.78	10.14	
93	14:43: 0	4.600	6618.89		65.34
94	14:46: 0	4.650	10620.78	10.13	
95	14:49: 0	4.700	6617.30		65.22
96	14:52: 0	4.750	10620.81	10.15	
97	14:55: 0	4.800	6615.76		65.11
98	14:58: 0	4.850	10620.81	10.14	
99	15: 1: 0	4.900	6613.70		64.95
100	15: 4: 0	4.950	10621.01	10.30	

DATE: 11/13/37
GAUGE SN #69385
WELL # 0
TEST # 301

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA FILE: 2

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	15: 7: 0	5.000	6609.31		64.61
2	15:10: 0	5.050	10621.04	10.30	
3	15:13: 0	5.100	6604.76		64.26
4	15:16: 0	5.150	10620.99	10.22	
5	15:19: 0	5.200	6600.16		63.91
6	15:22: 0	5.250	10620.99	10.19	
7	15:25: 0	5.300	6597.04		63.67
8	15:28: 0	5.350	10621.00	10.18	
9	15:31: 0	5.400	6594.11		63.45
10	15:34: 0	5.450	10621.04	10.18	
11	15:37: 0	5.500	6591.14		63.22
12	15:40: 0	5.550	10621.07	10.19	
13	15:43: 0	5.600	6588.11		62.99
14	15:46: 0	5.650	10621.09	10.19	
15	15:49: 0	5.700	6585.69		62.80
16	15:52: 0	5.750	10621.09	10.18	
17	15:55: 0	5.800	6583.43		62.63
18	15:58: 0	5.850	10621.12	10.18	
19	16: 1: 0	5.900	6581.32		62.47
20	16: 4: 0	5.950	10621.14	10.19	
21	16: 7: 0	6.000	6579.30		62.32
22	16:10: 0	6.050	10621.17	10.20	
23	16:13: 0	6.100	6577.22		62.16
24	16:16: 0	6.150	10621.20	10.21	
25	16:19: 0	6.200	6575.16		62.00
26	16:22: 0	6.250	10621.23	10.22	
27	16:25: 0	6.300	6572.97		61.83
28	16:28: 0	6.350	10621.19	10.17	
29	16:31: 0	6.400	6570.61		61.65
30	16:34: 0	6.450	10620.99	9.98	
31	16:37: 0	6.500	6567.92		61.45
32	16:40: 0	6.550	10621.04	10.01	
33	16:43: 0	6.600	6564.53		61.19
34	16:46: 0	6.650	10621.11	10.04	
35	16:49: 0	6.700	6560.44		60.87
36	16:52: 0	6.750	10621.21	10.10	
37	16:55: 0	6.800	6555.57		60.50
38	16:58: 0	6.850	10621.30	10.15	
39	17: 1: 0	6.900	6549.98		60.07
40	17: 4: 0	6.950	10621.40	10.19	
41	17: 7: 0	7.000	6522.66		57.99
42	17:10: 0	7.050	10620.40	9.12	
43	17:13: 0	7.100	6483.83		55.02
44	17:16: 0	7.150	11373.02	659.91	
45	17:19: 0	7.200	6421.42		50.26
46	17:22: 0	7.250	11396.74	680.68	
47	17:25: 0	7.300	6366.93		46.11
48	17:28: 0	7.350	11414.11	695.93	
49	17:31: 0	7.400	6700.92		71.63
50	17:34: 0	7.450	11433.84	714.11	

DATE: 11/13/37
GAUGE SN #69385
WELL # 0
TEST # 301

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA FILE: 2

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	17:37: 0	7.500	6889.19		86.10
52	17:40: 0	7.550	11467.35	744.27	
53	17:43: 0	7.600	7152.36		106.42
54	17:46: 0	7.650	11499.73	773.37	
55	17:49: 0	7.700	7414.08		126.75
56	17:52: 0	7.750	11523.93	795.21	
57	17:55: 0	7.800	7590.79		140.54
58	17:58: 0	7.850	11649.23	909.90	
59	18: 1: 0	7.900	7790.18		156.17
60	18: 4: 0	7.950	11705.26	962.82	
61	18: 7: 0	8.000	7888.58		163.90
62	18:10: 0	8.050	11646.41	908.51	
63	18:13: 0	8.100	7894.71		164.38
64	18:16: 0	8.150	11572.18	840.71	
65	18:19: 0	8.200	7897.83		164.63
66	18:22: 0	8.250	11542.48	813.92	
67	18:25: 0	8.300	7896.13		164.50
68	18:28: 0	8.350	11528.18	801.06	
69	18:31: 0	8.400	7894.74		164.39
70	18:34: 0	8.450	11519.05	792.87	
71	18:37: 0	8.500	7893.62		164.30
72	18:40: 0	8.550	11512.64	787.13	
73	18:43: 0	8.600	7892.62		164.22
74	18:46: 0	8.650	11507.63	782.65	
75	18:49: 0	8.700	7891.88		164.16
76	18:52: 0	8.750	11503.86	779.28	
77	18:55: 0	8.800	7891.25		164.11
78	18:58: 0	8.850	11501.01	776.74	
79	19: 1: 0	8.900	7890.68		164.07
80	19: 4: 0	8.950	11498.21	774.23	
81	19: 7: 0	9.000	7890.19		164.03
82	19:10: 0	9.050	11495.78	772.07	
83	19:13: 0	9.100	7889.65		163.99
84	19:16: 0	9.150	11492.95	769.55	
85	19:19: 0	9.200	7889.20		163.95
86	19:22: 0	9.250	11490.84	767.66	
87	19:25: 0	9.300	7888.77		163.92
88	19:28: 0	9.350	11488.66	765.72	
89	19:31: 0	9.400	7888.45		163.89
90	19:34: 0	9.450	11486.82	764.08	
91	19:37: 0	9.500	7888.15		163.87
92	19:40: 0	9.550	11485.11	762.56	
93	19:43: 0	9.600	7887.86		163.84
94	19:46: 0	9.650	11484.26	761.80	
95	19:49: 0	9.700	7887.73		163.83
96	19:52: 0	9.750	11483.51	761.14	
97	19:55: 0	9.800	7887.49		163.82
98	19:58: 0	9.850	11483.09	760.76	
99	20: 1: 0	9.900	7887.26		163.80
100	20: 4: 0	9.950	11482.13	759.90	

DATE: 11/13/37
GAUGE SN #69385
WELL # 0
TEST # 801

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA FILE: 3

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	20:19: 0	10.200	7886.90		163.77
2	20:34: 0	10.450	11481.55	759.39	
3	20:49: 0	10.700	7886.47		163.74
4	21: 4: 0	10.950	11481.03	758.93	
5	21:19: 0	11.200	7886.11		163.71
6	21:34: 0	11.450	11480.88	758.79	
7	21:49: 0	11.700	7885.79		163.68
8	22: 4: 0	11.950	11480.36	758.32	
9	22:19: 0	12.200	7885.49		163.66
10	22:34: 0	12.450	11479.49	757.55	
11	22:49: 0	12.700	7885.25		163.64
12	23: 4: 0	12.950	11478.94	757.06	
13	23:19: 0	13.200	7885.04		163.62
14	23:34: 0	13.450	11478.33	756.52	
15	23:49: 0	13.700	7884.93		163.61
16	0: 4: 0	13.950	11478.16	756.37	
17	0:19: 0	14.200	7884.80		163.60
18	0:34: 0	14.450	11478.30	756.50	
19	0:49: 0	14.700	7884.78		163.60
20	1: 4: 0	14.950	11478.91	757.03	
21	1:19: 0	15.200	7884.60		163.59
22	1:34: 0	15.450	11479.82	757.84	
23	1:49: 0	15.700	7884.62		163.59
24	2: 4: 0	15.950	11481.29	759.15	
25	2:19: 0	16.200	7884.53		163.58
26	2:34: 0	16.450	11482.17	759.92	
27	2:49: 0	16.700	7884.48		163.58
28	3: 4: 0	16.950	11483.22	760.86	
29	3:19: 0	17.200	7884.50		163.58
30	3:34: 0	17.450	11483.44	761.06	
31	3:49: 0	17.700	7884.58		163.59
32	4: 4: 0	17.950	11483.67	761.26	
33	4:19: 0	18.200	7884.58		163.59
34	4:34: 0	18.450	11483.69	761.28	
35	4:49: 0	18.700	7884.54		163.58
36	5: 4: 0	18.950	11483.28	760.91	
37	5:19: 0	19.200	7884.54		163.58
38	5:34: 0	19.450	11483.60	761.20	
39	5:49: 0	19.700	7884.50		163.58
40	6: 4: 0	19.950	11483.55	761.16	
41	6:19: 0	20.200	7884.43		163.57
42	6:34: 0	20.450	11483.72	761.31	
43	6:49: 0	20.700	7884.50		163.58
44	7: 4: 0	20.950	11484.60	762.09	
45	7:19: 0	21.200	7884.35		163.57
46	7:34: 0	21.450	11485.45	762.85	
47	7:49: 0	21.700	7884.35		163.57
48	8: 4: 0	21.950	11487.32	764.50	
49	8:19: 0	22.200	7884.41		163.57
50	8:34: 0	22.450	11488.34	765.41	

DATE: 11/14/87
GAUGE SN #69685
WELL # 0
TEST # 801

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA FILE: 3

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	8:49: 0	22.700	7884.51		163.58
52	9: 4: 0	22.950	11490.15	767.02	
53	9:19: 0	23.200	7884.59		163.59
54	9:34: 0	23.450	11490.40	767.25	
55	9:49: 0	23.700	7884.70		163.60
56	10: 4: 0	23.950	11489.93	766.93	
57	10:19: 0	24.200	7884.69		163.60
58	10:34: 0	24.450	11489.53	766.47	
59	10:49: 0	24.700	7884.76		163.60
60	11: 4: 0	24.950	11488.25	765.33	
61	11:19: 0	25.200	7884.60		163.59
62	11:34: 0	25.450	11483.61	761.21	
63	11:49: 0	25.700	7884.57		163.59
64	12: 4: 0	25.950	11478.90	757.02	
65	12:19: 0	26.200	7884.45		163.58
66	12:34: 0	26.450	11475.20	753.73	
67	12:49: 0	26.700	7884.23		163.56
68	13: 4: 0	26.950	11471.65	750.58	
69	13:19: 0	27.200	7884.02		163.54
70	13:34: 0	27.450	11468.42	747.72	
71	13:49: 0	27.700	7883.74		163.52
72	14: 4: 0	27.950	11465.67	745.28	
73	14:19: 0	28.200	7883.59		163.51
74	14:34: 0	28.450	11463.54	743.40	
75	14:49: 0	28.700	7883.44		163.50
76	15: 4: 0	28.950	11462.38	742.37	
77	15:19: 0	29.200	7883.24		163.48
78	15:34: 0	29.450	11461.43	741.53	
79	15:49: 0	29.700	7883.10		163.47
80	16: 4: 0	29.950	11460.96	741.11	
81	16:19: 0	30.200	7882.92		163.46
82	16:34: 0	30.450	11460.52	740.72	
83	16:49: 0	30.700	7882.71		163.44
84	17: 4: 0	30.950	11460.65	740.83	
85	17:19: 0	31.200	7882.65		163.43
86	17:34: 0	31.450	11460.63	740.82	
87	17:49: 0	31.700	7882.50		163.42
88	18: 4: 0	31.950	11460.15	740.39	
89	18:19: 0	32.200	7882.47		163.42
90	18:34: 0	32.450	11460.10	740.35	
91	18:49: 0	32.700	7882.32		163.41
92	19: 4: 0	32.950	11460.01	740.26	
93	19:19: 0	33.200	7882.36		163.41
94	19:34: 0	33.450	11459.84	740.11	
95	19:49: 0	33.700	7882.36		163.41
96	20: 4: 0	33.950	11459.68	739.98	
97	20:19: 0	34.200	7882.30		163.41
98	20:34: 0	34.450	11459.61	739.91	
99	20:49: 0	34.700	7882.44		163.42
100	21: 4: 0	34.950	11459.75	740.04	

DATE: 11/14/87
GAUGE SN #65685
WELL # 0
TEST # 801

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA FILE: 4

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	21:19: 0	35.200	7882.46		163.42
2	21:34: 0	35.450	11459.67	739.96	
3	21:49: 0	35.700	7882.49		163.42
4	22: 4: 0	35.950	11459.34	739.68	
5	22:19: 0	36.200	7882.64		163.43
6	22:34: 0	36.450	11459.10	739.46	
7	22:49: 0	36.700	7882.71		163.44
8	23: 4: 0	36.950	11458.25	738.71	
9	23:19: 0	37.200	7882.70		163.44
10	23:34: 0	37.450	11456.65	737.30	
11	23:49: 0	37.700	7882.81		163.45
12	0: 4: 0	37.950	11455.93	736.66	
13	0:19: 0	38.200	7882.82		163.45
14	0:34: 0	38.450	11455.63	736.39	
15	0:49: 0	38.700	7882.73		163.44
16	1: 4: 0	38.950	11454.56	735.45	
17	1:19: 0	39.200	7882.71		163.44
18	1:34: 0	39.450	11454.21	735.14	
19	1:49: 0	39.700	7882.67		163.44
20	2: 4: 0	39.950	11453.83	734.81	
21	2:19: 0	40.200	7882.68		163.44
22	2:34: 0	40.450	11453.79	734.77	
23	2:49: 0	40.700	7882.61		163.43
24	3: 4: 0	40.950	11454.14	735.07	
25	3:19: 0	41.200	7882.65		163.43
26	3:34: 0	41.450	11453.52	734.53	
27	3:49: 0	41.700	7882.61		163.43
28	4: 4: 0	41.950	11453.79	734.77	
29	4:19: 0	42.200	7882.67		163.44
30	4:34: 0	42.450	11453.37	734.39	
31	4:49: 0	42.700	7882.54		163.43
32	5: 4: 0	42.950	11453.18	734.22	
33	5:19: 0	43.200	7882.54		163.43
34	5:34: 0	43.450	11453.04	734.10	
35	5:49: 0	43.700	7882.59		163.43
36	6: 4: 0	43.950	11452.97	734.04	
37	6:19: 0	44.200	7882.48		163.42
38	6:34: 0	44.450	11453.54	734.54	
39	6:49: 0	44.700	7882.52		163.42
40	7: 4: 0	44.950	11453.43	734.45	
41	7:19: 0	45.200	7882.48		163.42
42	7:34: 0	45.450	11453.04	734.10	
43	7:49: 0	45.700	7882.49		163.42
44	8: 4: 0	45.950	11453.00	734.06	
45	8:19: 0	46.200	7882.53		163.43
46	8:34: 0	46.450	11452.73	733.83	
47	8:49: 0	46.700	7882.72		163.44
48	9: 4: 0	46.950	11452.99	734.06	
49	9:19: 0	47.200	7882.76		163.44
50	9:34: 0	47.450	11453.17	734.22	

DATE: 11/15/87
GAUGE SN #59685
WELL # 0
TEST # 801

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	9:49: 0	47.700	7882.74		163.44
52	10: 4: 0	47.950	11453.33	734.36	
53	10:19: 0	48.200	7882.74		163.44
54	10:34: 0	48.450	11453.30	734.34	
55	10:49: 0	48.700	7882.75		163.44
56	11: 4: 0	48.950	11453.28	734.31	
57	11:19: 0	49.200	7882.74		163.44
58	11:34: 0	49.450	11453.67	734.66	
59	11:49: 0	49.700	7882.76		163.44
60	12: 4: 0	49.950	11453.57	734.57	
61	12:19: 0	50.200	7882.81		163.45
62	12:34: 0	50.450	11453.71	734.69	
63	12:49: 0	50.700	7882.85		163.45
64	13: 4: 0	50.950	11453.87	734.84	
65	13:19: 0	51.200	7882.94		163.46
66	13:34: 0	51.450	11453.65	734.64	
67	13:49: 0	51.700	7882.93		163.46
68	14: 4: 0	51.950	11453.67	734.66	
69	14:19: 0	52.200	7882.84		163.45
70	14:34: 0	52.450	11454.34	735.25	
71	14:49: 0	52.700	7882.89		163.45
72	15: 4: 0	52.950	11453.75	734.73	
73	15:19: 0	53.200	7882.85		163.45
74	15:34: 0	53.450	11453.72	734.71	
75	15:49: 0	53.700	7882.77		163.44
76	16: 4: 0	53.950	11453.64	734.64	
77	16:19: 0	54.200	7882.81		163.45
78	16:34: 0	54.450	11453.53	734.54	
79	16:49: 0	54.700	7882.89		163.45
80	17: 4: 0	54.950	11453.71	734.70	
81	17:19: 0	55.200	7882.90		163.45
82	17:34: 0	55.450	11453.82	734.80	
83	17:49: 0	55.700	7882.68		163.44
84	18: 4: 0	55.950	11453.80	734.78	
85	18:19: 0	56.200	7882.77		163.44
86	18:34: 0	56.450	11454.25	735.18	
87	18:49: 0	56.700	7882.78		163.44
88	19: 4: 0	56.950	11454.14	735.08	
89	19:19: 0	57.200	7882.87		163.45
90	19:34: 0	57.450	11454.02	734.97	
91	19:49: 0	57.700	7882.83		163.45
92	20: 4: 0	57.950	11454.49	735.38	
93	20:19: 0	58.200	7882.89		163.45
94	20:34: 0	58.450	11454.32	735.24	
95	20:49: 0	58.700	7882.91		163.46
96	21: 4: 0	58.950	11454.21	735.14	
97	21:19: 0	59.200	7882.96		163.46
98	21:34: 0	59.450	11454.10	735.04	
99	21:49: 0	59.700	7883.05		163.47
100	22: 4: 0	59.950	11454.02	734.97	

DATE: 11/15/87
GAUGE SN #69385
WELL # 0
TEST # 801

DATA FILE: 5

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	22:19: 0	60.200	7882.97		163.46
2	22:34: 0	60.450	11453.87	734.84	
3	22:49: 0	60.700	7882.91		163.46
4	23: 4: 0	60.950	11454.19	735.12	
5	23:19: 0	61.200	7883.04		163.47
6	23:34: 0	61.450	11454.31	735.23	
7	23:49: 0	61.700	7883.00		163.46
8	0: 4: 0	61.950	11454.36	735.27	
9	0:19: 0	62.200	7883.00		163.46
10	0:34: 0	62.450	11454.70	735.57	
11	0:49: 0	62.700	7883.10		163.47
12	1: 4: 0	62.950	11454.59	735.48	
13	1:19: 0	63.200	7882.99		163.46
14	1:34: 0	63.450	11454.35	735.26	
15	1:49: 0	63.700	7883.07		163.47
16	2: 4: 0	63.950	11454.51	735.40	
17	2:19: 0	64.200	7883.00		163.46
18	2:34: 0	64.450	11455.11	735.94	
19	2:49: 0	64.700	7883.02		163.46
20	3: 4: 0	64.950	11454.70	735.58	
21	3:19: 0	65.200	7883.00		163.46
22	3:34: 0	65.450	11454.85	735.70	
23	3:49: 0	65.700	7883.05		163.47
24	4: 4: 0	65.950	11454.52	735.41	
25	4:19: 0	66.200	7883.05		163.47
26	4:34: 0	66.450	11454.99	735.83	
27	4:49: 0	66.700	7883.07		163.47
28	5: 4: 0	66.950	11454.72	735.59	
29	5:19: 0	67.200	7883.01		163.46
30	5:34: 0	67.450	11454.61	735.49	
31	5:49: 0	67.700	7883.09		163.47
32	6: 4: 0	67.950	11454.77	735.63	
33	6: 5: 1	67.967	7883.06		163.47
34	6: 6: 2	67.984	11454.77	735.63	
35	6: 7: 3	68.001	7883.13		163.47
36	6: 8: 4	68.018	11454.87	735.73	
37	6: 9: 6	68.035	7883.18		163.48
38	6:10: 7	68.052	11454.91	735.76	
39	6:11: 8	68.069	7883.15		163.47
40	6:12: 9	68.086	11455.06	735.89	
41	6:13:10	68.103	7883.18		163.48
42	6:14:12	68.120	11455.02	735.85	
43	6:15:13	68.137	7883.11		163.47
44	6:16:14	68.154	11455.06	735.89	
45	6:17:15	68.171	7883.17		163.48
46	6:18:16	68.188	11455.39	736.18	
47	6:19:18	68.205	7883.20		163.48
48	6:20:19	68.222	11454.96	735.80	
49	6:21:20	68.239	7883.10		163.47
50	6:22:21	68.256	11455.07	735.90	

DATE: 11/16/87
GAUGE SN #69685
WELL # 0
TEST # 801

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	6:23:22	68.273	7883.10		163.47
52	6:24:24	68.290	11455.06	735.89	
53	6:25:25	68.307	7883.13		163.47
54	6:26:26	68.324	11454.93	735.77	
55	6:27:27	68.341	7883.07		163.47
56	6:28:28	68.358	11455.06	735.89	
57	6:29:30	68.375	7883.15		163.47
58	6:30:31	68.392	11455.18	736.00	
59	6:31:32	68.409	7883.18		163.48
60	6:32:33	68.426	11455.32	736.13	
61	6:33:34	68.443	7883.14		163.47
62	6:34:36	68.460	11455.42	736.21	
63	6:35:37	68.477	7883.13		163.47
64	6:36:38	68.494	11455.06	735.89	
65	6:37:39	68.511	7883.07		163.47
66	6:38:40	68.528	11455.18	736.00	
67	6:39:42	68.545	7883.09		163.47
68	6:40:43	68.562	11455.17	735.99	
69	6:41:44	68.579	7883.05		163.47
70	6:42:45	68.596	11454.92	735.76	
71	6:43:46	68.613	7883.07		163.47
72	6:44:48	68.630	11455.16	735.98	
73	6:45:49	68.647	7883.13		163.47
74	6:46:50	68.664	11455.37	736.16	
75	6:47:51	68.681	7883.10		163.47
76	6:48:52	68.698	11455.29	736.10	
77	6:49:54	68.715	7883.04		163.47
78	6:50:55	68.732	11455.13	735.95	
79	6:51:56	68.749	7883.10		163.47
80	6:52:57	68.766	11455.17	735.99	
81	6:53:58	68.783	7883.10		163.47
82	6:55: 0	68.800	11455.17	735.99	
83	6:56: 1	68.817	7883.14		163.47
84	6:57: 2	68.834	11455.31	736.12	
85	6:58: 3	68.851	7883.16		163.47
86	6:59: 4	68.868	11455.19	736.01	
87	7: 0: 6	68.885	7883.14		163.47
88	7: 1: 7	68.902	11455.22	736.03	
89	7: 2: 8	68.919	7883.16		163.47
90	7: 3: 9	68.936	11455.41	736.20	
91	7: 4:10	68.953	7883.16		163.47
92	7: 5:12	68.970	11455.27	736.08	
93	7: 6:13	68.987	7883.11		163.47
94	7: 7:14	69.004	11455.09	735.92	
95	7: 8:15	69.021	7883.10		163.47
96	7: 9:16	69.038	11455.30	736.11	
97	7:10:18	69.055	7883.14		163.47
98	7:11:19	69.072	11455.09	735.92	
99	7:12:20	69.089	7883.09		163.47
100	7:13:21	69.106	11455.25	736.06	

DATE: 11/16/87
GAUGE SN #69685
WELL # 0
TEST # 801

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7255' Measured
7325' Actual

DATA FILE: 6

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	7:14:22	69.123	7883.15		163.47
2	7:15:24	69.140	11455.04	735.87	
3	7:16:25	69.157	7883.11		163.47
4	7:17:26	69.174	11455.19	736.01	
5	7:18:27	69.191	7883.15		163.47
6	7:19:28	69.208	11455.29	736.10	
7	7:20:30	69.225	7883.18		163.48
8	7:21:31	69.242	11455.19	736.01	
9	7:22:32	69.259	7883.12		163.47
10	7:23:33	69.276	11455.20	736.01	
11	7:24:34	69.293	7883.12		163.47
12	7:25:36	69.310	11455.33	736.13	
13	7:26:37	69.327	7883.11		163.47
14	7:27:38	69.344	11455.18	736.00	
15	7:28:39	69.361	7883.07		163.47
16	7:29:40	69.378	11454.84	735.70	
17	7:30:42	69.395	7883.05		163.47
18	7:31:43	69.412	11455.12	735.95	
19	7:32:44	69.429	7883.10		163.47
20	7:33:45	69.446	11455.21	736.03	
21	7:34:46	69.463	7883.11		163.47
22	7:35:48	69.480	11455.37	736.16	
23	7:36:49	69.497	7883.13		163.47
24	7:37:50	69.514	11455.10	735.93	
25	7:38:51	69.531	7883.11		163.47
26	7:39:52	69.548	11454.72	735.59	
27	7:40:54	69.565	7882.96		163.46
28	7:41:55	69.582	11454.90	735.75	
29	7:42:56	69.599	7883.10		163.47
30	7:43:57	69.616	11455.14	735.96	
31	7:44:58	69.633	7883.14		163.47
32	7:46: 0	69.650	11454.91	735.76	
33	7:47: 1	69.667	7883.04		163.47
34	7:48: 2	69.684	11455.10	735.93	
35	7:49: 3	69.701	7883.10		163.47
36	7:50: 4	69.718	11455.00	735.84	
37	7:51: 6	69.735	7883.09		163.47
38	7:52: 7	69.752	11455.09	735.92	
39	7:53: 8	69.769	7883.05		163.47
40	7:54: 9	69.786	11455.15	735.97	
41	7:55:10	69.803	7883.06		163.47
42	7:56:12	69.820	11455.02	735.85	
43	7:57:13	69.837	7883.04		163.47
44	7:58:14	69.854	11454.80	735.67	
45	7:59:15	69.871	7882.98		163.46
46	8: 0:16	69.888	11454.26	735.19	
47	8: 1:18	69.905	7882.97		163.46
48	8: 2:19	69.922	11454.52	735.41	
49	8: 3:20	69.939	7883.05		163.47
50	8: 4:21	69.956	11454.63	735.51	

DATE: 11/16/87
GAUGE SN #65685
WELL # 0
TEST # 801

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA FILE: 6

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	8: 5:22	69.973	7883.05		163.47
52	8: 6:24	69.950	11454.87	735.72	
53	8: 7:25	70.007	7883.11		163.47
54	8: 8:25	70.024	11454.87	735.73	
55	8: 9:27	70.041	7883.13		163.47
56	8:10:28	70.058	11454.75	735.62	
57	8:11:30	70.075	7883.05		163.47
58	8:12:31	70.092	11454.84	735.70	
59	8:13:32	70.109	7883.07		163.47
60	8:14:33	70.126	11454.82	735.68	
61	8:15:34	70.143	7883.04		163.47
62	8:16:35	70.160	11454.69	735.56	
63	8:17:37	70.177	7882.99		163.46
64	8:18:38	70.194	11454.50	735.40	
65	8:19:39	70.211	7882.99		163.46
66	8:20:40	70.228	11454.83	735.69	
67	8:21:42	70.245	7883.04		163.47
68	8:22:43	70.262	11454.97	735.81	
69	8:23:44	70.279	7883.05		163.47
70	8:24:45	70.296	11454.87	735.72	
71	8:25:46	70.313	7883.10		163.47
72	8:26:48	70.330	11455.26	736.07	
73	8:27:49	70.347	7883.11		163.47
74	8:28:50	70.364	11455.49	736.27	
75	8:29:51	70.381	7883.09		163.47
76	8:30:52	70.398	11455.34	736.14	
77	8:31:54	70.415	7883.06		163.47
78	8:32:55	70.432	11455.30	736.10	
79	8:33:56	70.449	7883.02		163.46
80	8:34:57	70.466	11455.46	736.25	
81	8:35:58	70.483	7882.97		163.46
82	8:37: 0	70.500	11455.22	736.04	
83	8:38: 1	70.517	7882.97		163.46
84	8:39: 2	70.534	11455.20	736.01	
85	8:40: 3	70.551	7883.01		163.46
86	8:41: 4	70.568	11455.49	736.27	
87	8:42: 5	70.585	7883.02		163.46
88	8:43: 6	70.602	11455.21	736.02	
89	8:44: 7	70.619	7882.96		163.46
90	8:45: 8	70.636	11455.21	736.03	
91	8:46:10	70.653	7882.95		163.46
92	8:47:12	70.670	11455.17	735.99	
93	8:48:13	70.687	7883.00		163.46
94	8:49:14	70.704	11455.36	736.15	
95	8:50:15	70.721	7882.97		163.46
96	8:51:16	70.738	11455.11	735.94	
97	8:52:18	70.755	7882.94		163.46
98	8:53:19	70.772	11454.96	735.80	
99	8:54:20	70.789	7882.93		163.46
100	8:55:2	70.806	11455.22	736.04	

DATE: 11/16/37
GAUGE SN #69585
WELL # 0
TEST # 301

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA FILE: 7

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	8:56:22	70.823	7882.95		163.46
2	8:57:24	70.840	11455.11	735.93	
3	8:58:25	70.857	7882.94		163.46
4	8:59:26	70.874	11455.23	736.05	
5	9: 0:27	70.891	7882.94		163.46
6	9: 1:28	70.908	11455.39	736.18	
7	9: 2:30	70.925	7883.02		163.46
8	9: 3:31	70.942	11455.61	736.38	
9	9: 4:32	70.959	7882.95		163.46
10	9: 5:33	70.976	11455.58	736.35	
11	9: 6:34	70.993	7882.93		163.46
12	9: 7:36	71.010	11455.96	736.69	
13	9: 8:37	71.027	7882.91		163.45
14	9: 9:38	71.044	11455.87	736.60	
15	9:10:39	71.061	7882.83		163.45
16	9:11:40	71.078	11455.84	736.58	
17	9:12:42	71.095	7882.82		163.45
18	9:13:43	71.112	11455.52	736.30	
19	9:14:44	71.129	7882.76		163.44
20	9:15:45	71.146	11455.38	736.17	
21	9:16:46	71.163	7882.80		163.45
22	9:17:48	71.180	11455.40	736.19	
23	9:18:49	71.197	7882.82		163.45
24	9:19:50	71.214	11455.61	736.38	
25	9:20:51	71.231	7882.79		163.45
26	9:21:52	71.248	11455.33	736.13	
27	9:22:54	71.265	7882.72		163.44
28	9:23:55	71.282	11455.21	736.02	
29	9:24:56	71.299	7882.78		163.44
30	9:25:57	71.316	11455.40	736.19	
31	9:26:58	71.333	7882.75		163.44
32	9:28: 0	71.350	11455.32	736.12	
33	9:29: 1	71.367	7882.70		163.44
34	9:30: 2	71.384	11455.51	736.29	
35	9:31: 3	71.401	7882.75		163.44
36	9:32: 4	71.418	11455.54	736.32	
37	9:33: 5	71.435	7882.67		163.44
38	9:34: 7	71.452	11455.50	736.28	
39	9:35: 8	71.469	7882.65		163.43
40	9:36: 9	71.486	11455.55	736.32	
41	9:37:10	71.503	7882.58		163.43
42	9:38:12	71.520	11455.78	736.53	
43	9:39:13	71.537	7882.58		163.43
44	9:40:14	71.554	11455.78	736.53	
45	9:41:15	71.571	7882.55		163.43
46	9:42:16	71.588	11455.72	736.47	
47	9:43:18	71.605	7882.53		163.43
48	9:44:19	71.622	11455.31	736.11	
49	9:45:20	71.639	7882.43		163.42
50	9:46:21	71.656	11455.57	736.34	

DATE: 11/18/87
GAUGE SN #89685
WELL # 0
TEST # 801

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7255' Measured
7325' Actual

DATA FILE: 7

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	9:47:22	71.673	7882.48		163.42
52	9:48:24	71.690	11455.58	736.35	
53	9:49:25	71.707	7882.47		163.42
54	9:50:26	71.724	11455.42	736.21	
55	9:51:27	71.741	7882.33		163.41
56	9:52:28	71.758	11455.18	735.99	
57	9:53:30	71.775	7882.29		163.41
58	9:54:31	71.792	11455.17	735.98	
59	9:55:32	71.809	7882.28		163.41
60	9:56:33	71.826	11455.20	736.01	
61	9:57:34	71.843	7882.25		163.40
62	9:58:35	71.860	11455.12	735.94	
63	9:59:36	71.877	7882.27		163.40
64	10: 0:38	71.894	11455.33	736.13	
65	10: 1:39	71.911	7882.20		163.40
66	10: 2:40	71.928	11455.53	736.30	
67	10: 3:42	71.945	7882.18		163.40
68	10: 4:43	71.962	11455.55	736.32	
69	10: 5:44	71.979	7882.10		163.39
70	10: 6:45	71.996	11455.65	736.41	
71	10: 7:46	72.013	7882.05		163.39
72	10: 8:48	72.030	11455.78	736.52	
73	10: 9:49	72.047	7882.00		163.38
74	10:10:50	72.064	11455.65	736.41	
75	10:11:51	72.081	7881.95		163.38
76	10:12:52	72.098	11455.97	736.69	
77	10:13:54	72.115	7882.00		163.38
78	10:14:55	72.132	11455.85	736.58	
79	10:15:56	72.149	7881.87		163.37
80	10:16:57	72.166	11455.70	736.45	
81	10:17:58	72.183	7881.78		163.37
82	10:19: 0	72.200	11455.74	736.48	
83	10:20: 1	72.217	7881.74		163.36
84	10:21: 2	72.234	11455.60	736.36	
85	10:22: 3	72.251	7881.67		163.36
86	10:23: 4	72.268	11455.47	736.25	
87	10:24: 6	72.285	7881.61		163.35
88	10:25: 7	72.302	11455.34	736.13	
89	10:26: 8	72.319	7881.58		163.35
90	10:27: 9	72.336	11455.49	736.27	
91	10:28:10	72.353	7881.51		163.35
92	10:29:12	72.370	11455.56	736.33	
93	10:30:13	72.387	7881.47		163.34
94	10:31:14	72.404	11455.66	736.41	
95	10:32:15	72.421	7881.43		163.34
96	10:33:16	72.438	11455.56	736.33	
97	10:34:18	72.455	7881.30		163.33
98	10:35:19	72.472	11455.16	735.97	
99	10:36:20	72.489	7881.16		163.32
100	10:37:21	72.506	11454.94	735.77	

DATE: 11/16/87
GAUGE SN #63685
WELL # 0
TEST # 801

DATA FILE: 8

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	10:38:22	72.523	7880.99		163.30
2	10:39:24	72.540	11456.29	736.97	
3	10:40:25	72.557	7881.94		163.38
4	10:41:26	72.574	11484.92	762.36	
5	10:42:27	72.591	7885.22		163.64
6	10:43:28	72.608	11516.12	790.21	
7	10:44:30	72.625	7888.57		163.90
8	10:45:3	72.642	11542.12	813.54	
9	10:46:32	72.659	7890.79		164.08
10	10:47:33	72.676	11563.40	832.75	
11	10:48:34	72.693	7892.64		164.22
12	10:49:36	72.710	11581.07	848.76	
13	10:50:37	72.727	7893.83		164.31
14	10:51:38	72.744	11596.77	863.04	
15	10:52:39	72.761	7894.74		164.39
16	10:53:40	72.778	11610.96	876.01	
17	10:54:42	72.795	7895.51		164.45
18	10:55:43	72.812	11623.56	887.53	
19	10:56:44	72.829	7896.09		164.49
20	10:57:45	72.846	11634.93	897.97	
21	10:58:46	72.863	7896.56		164.53
22	10:59:48	72.880	11644.48	906.76	
23	11: 0:49	72.897	7896.82		164.55
24	11: 1:50	72.914	11652.70	914.35	
25	11: 2:51	72.931	7897.01		164.57
26	11: 3:52	72.948	11660.01	921.11	
27	11: 4:54	72.965	7897.10		164.57
28	11: 5:55	72.982	11666.37	927.00	
29	11: 6:56	72.999	7897.06		164.57
30	11: 7:57	73.016	11671.96	932.19	
31	11: 8:58	73.033	7897.14		164.57
32	11:10: 0	73.050	11676.79	936.67	
33	11:11: 1	73.067	7897.15		164.58
34	11:12: 2	73.084	11680.93	940.52	
35	11:13: 3	73.101	7896.86		164.55
36	11:14: 4	73.118	11684.58	943.91	
37	11:15: 5	73.135	7896.42		164.52
38	11:16: 7	73.152	11687.68	946.81	
39	11:17: 8	73.169	7896.22		164.50
40	11:18: 9	73.186	11690.19	949.14	
41	11:19:10	73.203	7896.25		164.51
42	11:20:12	73.220	11692.28	951.09	
43	11:21:12	73.237	7896.31		164.51
44	11:22:14	73.254	11694.05	952.74	
45	11:23:15	73.271	7896.16		164.50
46	11:24:16	73.288	11695.49	954.08	
47	11:25:18	73.305	7895.88		164.48
48	11:26:19	73.322	11696.68	955.20	
49	11:27:20	73.339	7895.57		164.45
50	11:28:21	73.356	11697.68	956.14	

DATE: 11/16/87
GAUGE SN #65685
WELL # 0
TEST # 801

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA FILE: 8

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	11:29:22	73.373	7895.29		164.43
52	11:30:24	73.390	11698.53	956.92	
53	11:31:25	73.407	7894.98		164.40
54	11:32:26	73.424	11699.17	957.53	
55	11:33:27	73.441	7894.61		164.38
56	11:34:28	73.458	11699.84	958.15	
57	11:35:30	73.475	7894.53		164.37
58	11:36:31	73.492	11700.32	958.60	
59	11:37:32	73.509	7894.38		164.36
60	11:38:32	73.526	11700.68	958.93	
61	11:39:34	73.543	7894.18		164.34
62	11:40:36	73.560	11700.99	959.23	
63	11:41:37	73.577	7894.06		164.33
64	11:42:38	73.594	11701.16	959.38	
65	11:43:39	73.611	7894.12		164.34
66	11:44:40	73.628	11701.32	959.53	
67	11:45:42	73.645	7894.31		164.35
68	11:46:43	73.662	11701.43	959.63	
69	11:47:44	73.679	7894.53		164.37
70	11:48:45	73.696	11701.57	959.76	
71	11:49:46	73.713	7894.74		164.39
72	11:50:48	73.730	11701.64	959.83	
73	11:51:49	73.747	7894.91		164.40
74	11:52:50	73.764	11701.72	959.91	
75	11:53:51	73.781	7894.94		164.40
76	11:54:52	73.798	11701.77	959.96	
77	11:55:54	73.815	7894.93		164.40
78	11:56:55	73.832	11701.85	960.03	
79	11:57:56	73.849	7894.88		164.40
80	11:58:57	73.866	11701.94	960.12	
81	11:59:58	73.883	7894.79		164.39
82	12: 1: 0	73.900	11701.98	960.15	
83	12: 2: 1	73.917	7894.69		164.38
84	12: 3: 2	73.934	11702.05	960.22	
85	12: 7: 0	74.000	7894.45		164.36
86	12:10: 0	74.050	11698.19	956.60	
87	12:13: 0	74.100	7893.64		164.30
88	12:16: 0	74.150	11691.76	950.60	
89	12:19: 0	74.200	7893.54		164.29
90	12:22: 0	74.250	11691.64	950.49	
91	12:25: 0	74.300	7894.48		164.37
92	12:28: 0	74.350	11692.47	951.26	
93	12:31: 0	74.400	7895.32		164.43
94	12:34: 0	74.450	11693.45	952.18	
95	12:37: 0	74.500	7895.96		164.48
96	12:40: 0	74.550	11694.44	953.11	
97	12:43: 0	74.600	7896.48		164.52
98	12:46: 0	74.650	11695.56	954.16	
99	12:49: 0	74.700	7896.88		164.55
100	12:52: 0	74.750	11697.25	955.74	

DATE: 11/16/87
GAUGE SN #65685
WELL # 0
TEST # 801

COMPANY: BMS
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA FILE: 9

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	12:55: 0	74.800	7897.18		164.58
2	12:58: 0	74.850	11698.16	956.59	
3	13: 1: 0	74.900	7897.65		164.62
4	13: 4: 0	74.950	11697.66	956.12	
5	13: 7: 0	75.000	7898.11		164.65
6	13:10: 0	75.050	11697.01	955.52	
7	13:13: 0	75.100	7898.53		164.68
8	13:16: 0	75.150	11696.10	954.87	
9	13:19: 0	75.200	7898.92		164.72
10	13:22: 0	75.250	11695.20	953.83	
11	13:25: 0	75.300	7899.43		164.75
12	13:28: 0	75.350	11695.90	954.49	
13	13:31: 0	75.400	7900.55		164.84
14	13:34: 0	75.450	11698.20	956.64	
15	13:37: 0	75.500	7901.28		164.90
16	13:40: 0	75.550	11700.18	958.49	
17	13:43: 0	75.600	7901.77		164.94
18	13:46: 0	75.650	11701.79	960.00	
19	13:49: 0	75.700	7902.16		164.97
20	13:52: 0	75.750	11703.08	961.21	
21	13:55: 0	75.800	7902.53		165.00
22	13:58: 0	75.850	11704.07	962.13	
23	14: 1: 0	75.900	7902.87		165.03
24	14: 4: 0	75.950	11704.73	962.76	
25	14: 7: 0	76.000	7903.20		165.05
26	14:10: 0	76.050	11705.09	963.10	
27	14:13: 0	76.100	7903.48		165.07
28	14:16: 0	76.150	11705.26	963.25	
29	14:19: 0	76.200	7903.79		165.10
30	14:22: 0	76.250	11705.32	963.31	
31	14:25: 0	76.300	7904.06		165.12
32	14:28: 0	76.350	11705.36	963.35	
33	14:31: 0	76.400	7904.43		165.15
34	14:34: 0	76.450	11705.41	963.40	
35	14:37: 0	76.500	7904.72		165.17
36	14:40: 0	76.550	11705.45	963.43	
37	14:43: 0	76.600	7904.96		165.19
38	14:46: 0	76.650	11705.49	963.47	
39	14:49: 0	76.700	7905.13		165.20
40	14:52: 0	76.750	11706.13	964.07	
41	14:55: 0	76.800	7905.68		165.25
42	14:58: 0	76.850	11706.81	964.71	
43	15: 1: 0	76.900	7906.52		165.31
44	15: 4: 0	76.950	11707.61	965.46	
45	15: 7: 0	77.000	7907.27		165.37
46	15:10: 0	77.050	11708.47	966.28	
47	15:13: 0	77.100	7907.98		165.43
48	15:16: 0	77.150	11709.33	967.08	
49	15:19: 0	77.200	7908.53		165.47
50	15:22: 0	77.250	11710.18	967.88	

DATE: 11/16/87
GAUGE SN #65885
WELL # 0
TEST # 801

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA FILE: 9

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	15:25: 0	77.300	7908.82		165.49
52	15:28: 0	77.350	11711.08	968.73	
53	15:31: 0	77.400	7908.97		165.51
54	15:34: 0	77.450	11711.99	969.58	
55	15:37: 0	77.500	7909.21		165.53
56	15:40: 0	77.550	11712.89	970.43	
57	15:43: 0	77.600	7909.40		165.54
58	15:46: 0	77.650	11713.79	971.28	
59	15:49: 0	77.700	7909.55		165.55
60	15:52: 0	77.750	11714.74	972.16	
61	15:55: 0	77.800	7909.77		165.57
62	15:58: 0	77.850	11715.63	973.00	
63	16: 1: 0	77.900	7909.86		165.58
64	16: 4: 0	77.950	11716.56	973.87	
65	16: 7: 0	78.000	7909.99		165.59
66	16:10: 0	78.050	11717.46	974.72	
67	16:13: 0	78.100	7910.16		165.60
68	16:16: 0	78.150	11718.33	975.54	
69	16:19: 0	78.200	7910.29		165.61
70	16:22: 0	78.250	11719.18	976.34	
71	16:25: 0	78.300	7910.26		165.61
72	16:28: 0	78.350	11720.04	977.15	
73	16:31: 0	78.400	7910.28		165.61
74	16:34: 0	78.450	11720.84	977.90	
75	16:37: 0	78.500	7910.36		165.62
76	16:40: 0	78.550	11721.61	978.63	
77	16:43: 0	78.600	7910.51		165.63
78	16:46: 0	78.650	11722.38	979.35	
79	16:49: 0	78.700	7910.57		165.63
80	16:52: 0	78.750	11723.14	980.07	
81	16:55: 0	78.800	7910.80		165.65
82	16:58: 0	78.850	11723.91	980.79	
83	17: 1: 0	78.900	7911.01		165.67
84	17: 4: 0	78.950	11724.63	981.47	
85	17: 7: 0	79.000	7911.13		165.68
86	17:10: 0	79.050	11725.35	982.15	
87	17:13: 0	79.100	7911.25		165.69
88	17:16: 0	79.150	11726.06	982.82	
89	17:19: 0	79.200	7911.36		165.69
90	17:22: 0	79.250	11726.77	983.49	
91	17:25: 0	79.300	7911.47		165.70
92	17:28: 0	79.350	11727.46	984.14	
93	17:31: 0	79.400	7911.54		165.71
94	17:34: 0	79.450	11728.14	984.78	
95	17:37: 0	79.500	7911.54		165.71
96	17:40: 0	79.550	11728.82	985.42	
97	17:43: 0	79.600	7911.56		165.71
98	17:46: 0	79.650	11729.49	986.05	
99	17:49: 0	79.700	7911.73		165.72
100	17:52: 0	79.750	11730.13	986.65	

DATE: 11/16/87
GAUGE SN #69685
WELL # 0
TEST # 801

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA FILE: 10

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	17:55: 0	79.800	7911.84		165.73
2	17:58: 0	79.850	11730.77	987.26	
3	18: 1: 0	79.900	7911.89		165.74
4	18: 4: 0	79.950	11731.41	987.86	
5	18: 7: 0	80.000	7911.99		165.74
6	18:10: 0	80.050	11732.02	988.44	
7	18:13: 0	80.100	7912.09		165.75
8	18:16: 0	80.150	11732.64	989.02	
9	18:19: 0	80.200	7912.23		165.76
10	18:22: 0	80.250	11733.23	989.58	
11	18:25: 0	80.300	7912.32		165.77
12	18:28: 0	80.350	11733.78	990.10	
13	18:31: 0	80.400	7912.46		165.78
14	18:34: 0	80.450	11734.33	990.62	
15	18:37: 0	80.500	7912.51		165.78
16	18:40: 0	80.550	11734.87	991.13	
17	18:43: 0	80.600	7912.54		165.79
18	18:46: 0	80.650	11735.44	991.66	
19	18:49: 0	80.700	7912.62		165.79
20	18:52: 0	80.750	11736.00	992.20	
21	18:55: 0	80.800	7912.70		165.80
22	18:58: 0	80.850	11736.56	992.73	
23	19: 1: 0	80.900	7912.80		165.81
24	19: 4: 0	80.950	11737.11	993.25	
25	19: 7: 0	81.000	7912.88		165.81
26	19:10: 0	81.050	11737.66	993.76	
27	19:13: 0	81.100	7912.94		165.82
28	19:16: 0	81.150	11738.19	994.27	
29	19:19: 0	81.200	7912.98		165.82
30	19:22: 0	81.250	11738.73	994.78	
31	19:25: 0	81.300	7913.06		165.83
32	19:28: 0	81.350	11739.27	995.29	
33	19:31: 0	81.400	7913.10		165.83
34	19:34: 0	81.450	11739.79	995.78	
35	19:37: 0	81.500	7913.16		165.84
36	19:40: 0	81.550	11740.31	996.27	
37	19:43: 0	81.600	7913.20		165.84
38	19:46: 0	81.650	11740.83	996.76	
39	19:49: 0	81.700	7913.29		165.85
40	19:52: 0	81.750	11741.32	997.23	
41	19:55: 0	81.800	7913.37		165.85
42	19:58: 0	81.850	11741.82	997.70	
43	20: 1: 0	81.900	7913.37		165.85
44	20: 4: 0	81.950	11742.32	998.17	
45	20: 7: 0	82.000	7913.35		165.85
46	20:10: 0	82.050	11742.81	998.63	
47	20:13: 0	82.100	7913.34		165.85
48	20:16: 0	82.150	11743.28	999.08	
49	20:19: 0	82.200	7913.33		165.85
50	20:22: 0	82.250	11743.73	999.51	

DATE: 11/16/87
GAUGE SN #65685
WELL # 0
TEST # 801

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA FILE: 10

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	20:25: 0	82.300	7913.33		165.85
52	20:28: 0	82.350	11744.19	999.94	
53	20:31: 0	82.400	7913.34		165.85
54	20:34: 0	82.450	11744.64	1000.37	
55	20:37: 0	82.500	7913.39		165.85
56	20:40: 0	82.550	11745.08	1000.79	
57	20:43: 0	82.600	7913.38		165.85
58	20:46: 0	82.650	11745.52	1001.20	
59	20:49: 0	82.700	7913.49		165.86
60	20:52: 0	82.750	11745.94	1001.60	
61	20:55: 0	82.800	7913.53		165.87
62	20:58: 0	82.850	11746.35	1001.99	
63	21: 1: 0	82.900	7913.57		165.87
64	21: 4: 0	82.950	11746.74	1002.36	
65	21: 7: 0	83.000	7913.66		165.88
66	21:10: 0	83.050	11747.11	1002.71	
67	21:13: 0	83.100	7913.76		165.88
68	21:16: 0	83.150	11747.48	1003.06	
69	21:19: 0	83.200	7913.80		165.89
70	21:22: 0	83.250	11747.83	1003.40	
71	21:25: 0	83.300	7913.86		165.89
72	21:28: 0	83.350	11748.19	1003.73	
73	21:31: 0	83.400	7913.89		165.89
74	21:34: 0	83.450	11748.54	1004.06	
75	21:37: 0	83.500	7913.92		165.90
76	21:40: 0	83.550	11748.88	1004.39	
77	21:43: 0	83.600	7913.92		165.90
78	21:46: 0	83.650	11749.22	1004.71	
79	21:49: 0	83.700	7913.87		165.89
80	21:52: 0	83.750	11749.54	1005.02	
81	21:55: 0	83.800	7913.91		165.89
82	21:58: 0	83.850	11749.86	1005.32	
83	22: 1: 0	83.900	7914.12		165.91
84	22: 4: 0	83.950	11750.16	1005.60	
85	22: 7: 0	84.000	7914.27		165.92
86	22:10: 0	84.050	11750.46	1005.88	
87	22:13: 0	84.100	7914.30		165.93
88	22:16: 0	84.150	11750.73	1006.14	
89	22:19: 0	84.200	7914.35		165.93
90	22:22: 0	84.250	11751.00	1006.40	
91	22:25: 0	84.300	7914.39		165.93
92	22:28: 0	84.350	11751.28	1006.66	
93	22:31: 0	84.400	7914.35		165.93
94	22:34: 0	84.450	11751.53	1006.91	
95	22:37: 0	84.500	7914.29		165.93
96	22:40: 0	84.550	11751.78	1007.14	
97	22:43: 0	84.600	7914.32		165.93
98	22:46: 0	84.650	11752.04	1007.38	
99	22:49: 0	84.700	7914.39		165.93
100	22:52: 0	84.750	11752.24	1007.58	

DATE: 11/16/87
GAUGE SN #86685
WELL # 0
TEST # 801

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA FILE: 11

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	22:55: 0	84.800	7914.39		165.93
2	22:58: 0	84.850	11752.44	1007.77	
3	23: 1: 0	84.900	7914.43		165.94
4	23: 4: 0	84.950	11752.65	1007.96	
5	23: 7: 0	85.000	7914.49		165.94
6	23:10: 0	85.050	11752.83	1008.14	
7	23:13: 0	85.100	7914.55		165.95
8	23:16: 0	85.150	11753.01	1008.31	
9	23:19: 0	85.200	7914.54		165.95
10	23:22: 0	85.250	11753.19	1008.47	
11	23:25: 0	85.300	7914.54		165.95
12	23:28: 0	85.350	11753.35	1008.63	
13	23:31: 0	85.400	7914.54		165.95
14	23:34: 0	85.450	11753.50	1008.78	
15	23:37: 0	85.500	7914.62		165.95
16	23:40: 0	85.550	11753.66	1008.93	
17	23:43: 0	85.600	7914.62		165.95
18	23:46: 0	85.650	11753.81	1009.07	
19	23:49: 0	85.700	7914.77		165.96
20	23:52: 0	85.750	11753.96	1009.21	
21	23:55: 0	85.800	7914.78		165.96
22	23:58: 0	85.850	11754.09	1009.33	
23	0: 1: 0	85.900	7914.85		165.97
24	0: 4: 0	85.950	11754.24	1009.47	
25	0: 7: 0	86.000	7914.91		165.97
26	0:10: 0	86.050	11754.37	1009.60	
27	0:13: 0	86.100	7914.94		165.98
28	0:16: 0	86.150	11754.49	1009.72	
29	0:19: 0	86.200	7914.94		165.98
30	0:22: 0	86.250	11754.62	1009.84	
31	0:25: 0	86.300	7915.01		165.98
32	0:28: 0	86.350	11754.71	1009.92	
33	0:31: 0	86.400	7915.05		165.99
34	0:34: 0	86.450	11754.83	1010.03	
35	0:37: 0	86.500	7915.13		165.99
36	0:40: 0	86.550	11754.94	1010.14	
37	0:43: 0	86.500	7915.13		165.99
38	0:46: 0	86.650	11755.05	1010.25	
39	0:49: 0	86.700	7915.18		166.00
40	0:52: 0	86.750	11755.16	1010.35	
41	0:55: 0	86.800	7915.25		166.00
42	0:58: 0	86.850	11755.27	1010.45	
43	1: 1: 0	86.900	7915.25		166.00
44	1: 4: 0	86.950	11755.37	1010.55	
45	1: 7: 0	87.000	7915.26		166.00
46	1:10: 0	87.050	11755.47	1010.64	
47	1:13: 0	87.100	7915.27		166.00
48	1:16: 0	87.150	11755.57	1010.74	
49	1:19: 0	87.200	7915.28		166.00
50	1:22: 0	87.250	11755.66	1010.83	

DATE: 11/17/87
GAUGE SN #69685
WELL # 0
TEST # 801

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA FILE: 11

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	1:25: 0	87.300	7915.35		166.01
52	1:28: 0	87.350	11755.76	1010.93	
53	1:31: 0	87.400	7915.37		166.01
54	1:34: 0	87.450	11755.88	1011.03	
55	1:37: 0	87.500	7915.46		166.02
56	1:40: 0	87.550	11755.98	1011.13	
57	1:43: 0	87.600	7915.50		166.03
58	1:46: 0	87.650	11756.07	1011.22	
59	1:49: 0	87.700	7915.64		166.03
60	1:52: 0	87.750	11756.15	1011.29	
61	1:55: 0	87.800	7915.69		166.04
62	1:58: 0	87.850	11756.23	1011.37	
63	2: 1: 0	87.900	7915.66		166.03
64	2: 4: 0	87.950	11756.29	1011.43	
65	2: 7: 0	88.000	7915.63		166.03
66	2:10: 0	88.050	11756.37	1011.50	
67	2:13: 0	88.100	7915.67		166.03
68	2:16: 0	88.150	11756.43	1011.56	
69	2:19: 0	88.200	7915.76		166.04
70	2:22: 0	88.250	11756.50	1011.63	
71	2:25: 0	88.300	7915.83		166.05
72	2:28: 0	88.350	11756.57	1011.69	
73	2:31: 0	88.400	7915.91		166.05
74	2:34: 0	88.450	11756.62	1011.74	
75	2:37: 0	88.500	7916.04		166.06
76	2:40: 0	88.550	11756.69	1011.80	
77	2:43: 0	88.600	7916.11		166.07
78	2:46: 0	88.650	11756.75	1011.86	
79	2:49: 0	88.700	7916.22		166.08
80	2:52: 0	88.750	11756.80	1011.91	
81	2:55: 0	88.800	7916.19		166.08
82	2:58: 0	88.850	11756.86	1011.97	
83	3: 1: 0	88.900	7916.23		166.08
84	3: 4: 0	88.950	11756.91	1012.02	
85	3: 7: 0	89.000	7916.29		166.08
86	3:10: 0	89.050	11756.96	1012.07	
87	3:13: 0	89.100	7916.32		166.08
88	3:16: 0	89.150	11757.01	1012.12	
89	3:19: 0	89.200	7916.34		166.09
90	3:22: 0	89.250	11757.05	1012.15	
91	3:25: 0	89.300	7916.37		166.09
92	3:28: 0	89.350	11757.10	1012.20	
93	3:31: 0	89.400	7916.45		166.09
94	3:34: 0	89.450	11757.14	1012.24	
95	3:37: 0	89.500	7916.48		166.10
96	3:40: 0	89.550	11757.19	1012.28	
97	3:43: 0	89.600	7916.52		166.10
98	3:46: 0	89.650	11757.24	1012.33	
99	3:49: 0	89.700	7916.56		166.10
100	3:52: 0	89.750	11757.29	1012.38	

DATE: 11/17/87
GAUGE SN #63685
WELL # 0
TEST # 801

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA FILE: 2

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	3:55: 0	89.800	7916.53		166.10
2	3:58: 0	89.850	11757.34	1012.42	
3	4: 1: 0	89.900	7916.59		166.11
4	4: 4: 0	89.950	11757.38	1012.47	
5	4: 7: 0	90.000	7916.61		166.11
6	4:10: 0	90.050	11757.44	1012.52	
7	4:13: 0	90.100	7916.71		166.12
8	4:16: 0	90.150	11757.49	1012.57	
9	4:19: 0	90.200	7916.77		166.12
10	4:22: 0	90.250	11757.54	1012.62	
11	4:25: 0	90.300	7916.80		166.12
12	4:28: 0	90.350	11757.59	1012.67	
13	4:31: 0	90.400	7916.85		166.13
14	4:34: 0	90.450	11757.65	1012.72	
15	4:37: 0	90.500	7916.89		166.13
16	4:40: 0	90.550	11757.70	1012.77	
17	4:43: 0	90.600	7916.90		166.13
18	4:46: 0	90.650	11757.75	1012.81	
19	4:49: 0	90.700	7916.91		166.13
20	4:52: 0	90.750	11757.80	1012.86	
21	4:55: 0	90.800	7917.00		166.14
22	4:58: 0	90.850	11757.85	1012.91	
23	5: 1: 0	90.900	7917.03		166.14
24	5: 4: 0	90.950	11757.90	1012.96	
25	5: 7: 0	91.000	7917.06		166.14
26	5:10: 0	91.050	11757.95	1013.00	
27	5:13: 0	91.100	7917.12		166.15
28	5:16: 0	91.150	11758.00	1013.05	
29	5:19: 0	91.200	7917.13		166.15
30	5:22: 0	91.250	11758.05	1013.10	
31	5:25: 0	91.300	7917.16		166.15
32	5:28: 0	91.350	11758.10	1013.15	
33	5:31: 0	91.400	7917.19		166.15
34	5:34: 0	91.450	11758.15	1013.20	
35	5:37: 0	91.500	7917.19		166.15
36	5:40: 0	91.550	11758.20	1013.25	
37	5:43: 0	91.600	7917.19		166.15
38	5:46: 0	91.650	11758.26	1013.31	
39	5:49: 0	91.700	7917.23		166.16
40	5:52: 0	91.750	11758.31	1013.35	
41	5:55: 0	91.800	7917.28		166.16
42	5:58: 0	91.850	11758.37	1013.40	
43	6: 1: 0	91.900	7917.28		166.16
44	6: 4: 0	91.950	11758.42	1013.45	
45	6:19: 0	92.200	7917.41		166.17
46	6:34: 0	92.450	11758.70	1013.72	
47	6:49: 0	92.700	7917.85		166.21
48	7: 4: 0	92.950	11758.97	1013.98	
49	7:19: 0	93.200	7918.04		166.22
50	7:34: 0	93.450	11759.23	1014.23	

DATE: 11/17/87
GAUGE SN #65695
WELL # 0
TEST # 801

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA FILE: 12

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	7:49: 0	93.700	7918.12		166.23
52	8: 4: 0	93.950	11759.46	1014.45	
53	8:19: 0	94.200	7918.37		166.25
54	8:34: 0	94.450	11759.70	1014.67	
55	8:49: 0	94.700	7918.49		166.26
56	9: 4: 0	94.950	11759.93	1014.89	
57	9:19: 0	95.200	7918.67		166.27
58	9:34: 0	95.450	11760.15	1015.11	
59	9:49: 0	95.700	7918.81		166.28
60	10: 4: 0	95.950	11760.37	1015.32	
61	10:19: 0	96.200	7918.93		166.29
62	10:34: 0	96.450	11760.57	1015.51	
63	10:49: 0	96.700	7919.09		166.30
64	11: 4: 0	96.950	11760.78	1015.71	
65	11:19: 0	97.200	7919.22		166.31
66	11:34: 0	97.450	11760.97	1015.89	
67	11:49: 0	97.700	7919.33		166.32
68	12: 4: 0	97.950	11761.16	1016.06	
69	12:19: 0	98.200	7919.49		166.33
70	12:34: 0	98.450	11761.34	1016.24	
71	12:49: 0	98.700	7919.67		166.35
72	13: 4: 0	98.950	11761.51	1016.40	
73	13:19: 0	99.200	7919.86		166.36
74	13:34: 0	99.450	11761.67	1016.55	
75	13:49: 0	99.700	7919.96		166.37
76	14: 4: 0	99.950	11761.81	1016.69	
77	14:19: 0	100.200	7920.15		166.39
78	14:34: 0	100.450	11761.98	1016.85	
79	14:49: 0	100.700	7920.22		166.39
80	15: 4: 0	100.950	11762.14	1017.01	
81	15:19: 0	101.200	7920.45		166.41
82	15:34: 0	101.450	11762.30	1017.16	
83	15:49: 0	101.700	7920.49		166.41
84	16: 4: 0	101.950	11762.46	1017.31	
85	16:19: 0	102.200	7920.64		166.43
86	16:34: 0	102.450	11762.61	1017.45	
87	16:49: 0	102.700	7920.83		166.44
88	17: 4: 0	102.950	11762.74	1017.58	
89	17:19: 0	103.200	7920.88		166.44
90	17:34: 0	103.450	11762.87	1017.70	
91	17:49: 0	103.700	7920.93		166.45
92	18: 4: 0	103.950	11763.02	1017.84	
93	18:19: 0	104.200	7921.21		166.47
94	18:34: 0	104.450	11763.15	1017.97	
95	18:49: 0	104.700	7921.31		166.48
96	19: 4: 0	104.950	11763.29	1018.10	
97	19:19: 0	105.200	7921.35		166.48
98	19:34: 0	105.450	11763.40	1018.21	
99	19:49: 0	105.700	7921.52		166.49
100	20: 4: 0	105.950	11763.53	1018.33	

DATE: 11/17/87
GAUGE SN #59685
WELL # 0
TEST # 801

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: 8HP @ 7265' Measured
7325' Actual

DATA FILE: 13

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	20:19:00	106.200	7921.71		166.51
2	20:34:00	106.450	11763.64	1018.44	
3	20:49:00	106.700	7921.85		166.52
4	21: 4:00	106.950	11763.77	1018.56	
5	21:19:00	107.200	7921.92		166.53
6	21:34:00	107.450	11763.90	1018.68	
7	21:49:00	107.700	7921.99		166.53
8	22: 4:00	107.950	11764.02	1018.80	
9	22:19:00	108.200	7922.21		166.55
10	22:34:00	108.450	11764.16	1018.94	
11	22:49:00	108.700	7922.24		166.55
12	23: 4:00	108.950	11764.30	1019.07	
13	23:19:00	109.200	7922.29		166.56
14	23:34:00	109.450	11764.43	1019.19	
15	23:49:00	109.700	7922.42		166.57
16	0: 4:00	109.950	11764.56	1019.32	
17	0:19:00	110.200	7922.56		166.58
18	0:34:00	110.450	11764.69	1019.44	
19	0:49:00	110.700	7922.70		166.59
20	1: 4:00	110.950	11764.82	1019.56	
21	1:19:00	111.200	7922.71		166.59
22	1:34:00	111.450	11764.93	1019.67	
23	1:49:00	111.700	7922.82		166.60
24	2: 4:00	111.950	11765.05	1019.78	
25	2:19:00	112.200	7923.05		166.62
26	2:34:00	112.450	11765.15	1019.88	
27	2:49:00	112.700	7923.10		166.62
28	3: 4:00	112.950	11765.23	1019.96	
29	3:19:00	113.200	7923.10		166.62
30	3:34:00	113.450	11765.33	1020.05	
31	3:49:00	113.700	7923.26		166.63
32	4: 4:00	113.950	11765.45	1020.16	
33	4:19:00	114.200	7923.41		166.64
34	4:34:00	114.450	11765.56	1020.27	
35	4:49:00	114.700	7923.46		166.65
36	5: 4:00	114.950	11765.67	1020.37	
37	5:19:00	115.200	7923.55		166.65
38	5:34:00	115.450	11765.79	1020.49	
39	5:49:00	115.700	7923.50		166.65
40	6: 4:00	115.950	11765.89	1020.59	
41	6:19:00	116.200	7923.62		166.66
42	6:34:00	116.450	11766.00	1020.69	
43	6:49:00	116.700	7923.74		166.67
44	7: 4:00	116.950	11766.11	1020.80	
45	7:19:00	117.200	7923.96		166.69
46	7:34:00	117.450	11766.22	1020.90	
47	7:49:00	117.700	7924.00		166.69
48	8: 4:00	117.950	11766.33	1021.01	
49	8:19:00	118.200	7924.11		166.70
50	8:34:00	118.450	11766.43	1021.11	

DATE: 11/18/87
GAUGE SN #65685
WELL # 0
TEST # 801

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA FILE: 13

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	8:49: 0	118.700	7924.10		166.70
52	9: 4: 0	118.950	11766.54	1021.21	
53	9:19: 0	119.200	7924.16		166.70
54	9:34: 0	119.450	11766.65	1021.31	
55	9:49: 0	119.700	7924.31		166.71
56	10: 4: 0	119.950	11766.76	1021.41	
57	10:19: 0	120.200	7924.30		166.71
58	10:34: 0	120.450	11766.86	1021.52	
59	10:49: 0	120.700	7924.37		166.72
60	11: 4: 0	120.950	11766.97	1021.62	
61	11:19: 0	121.200	7924.45		166.73
62	11:34: 0	121.450	11767.08	1021.72	
63	11:49: 0	121.700	7924.57		166.73
64	12: 4: 0	121.950	11767.19	1021.83	
65	12:19: 0	122.200	7924.72		166.75
66	12:34: 0	122.450	11767.30	1021.94	
67	12:49: 0	122.700	7924.66		166.74
68	13: 4: 0	122.950	11767.42	1022.04	
69	13:19: 0	123.200	7924.77		166.75
70	13:34: 0	123.450	11767.53	1022.16	
71	13:49: 0	123.700	7924.84		166.76
72	14: 4: 0	123.950	11767.66	1022.28	
73	14:19: 0	124.200	7924.87		166.76
74	14:34: 0	124.450	11767.80	1022.41	
75	14:49: 0	124.700	7925.01		166.77
76	15: 4: 0	124.950	11767.91	1022.52	
77	15:19: 0	125.200	7925.08		166.78
78	15:34: 0	125.450	11768.04	1022.64	
79	15:49: 0	125.700	7925.08		166.77
80	16: 4: 0	125.950	11768.15	1022.74	
81	16:19: 0	126.200	7925.15		166.78
82	16:34: 0	126.450	11768.25	1022.84	
83	16:49: 0	126.700	7925.21		166.78
84	17: 4: 0	126.950	11768.35	1022.93	
85	17:19: 0	127.200	7925.22		166.79
86	17:34: 0	127.450	11768.45	1023.03	
87	17:49: 0	127.700	7925.26		166.79
88	18: 4: 0	127.950	11768.57	1023.14	
89	18:19: 0	128.200	7925.44		166.80
90	18:34: 0	128.450	11768.68	1023.25	
91	18:49: 0	128.700	7925.49		166.81
92	19: 4: 0	128.950	11768.79	1023.35	
93	19:19: 0	129.200	7925.45		166.80
94	19:34: 0	129.450	11768.89	1023.45	
95	19:49: 0	129.700	7925.64		166.82
96	20: 4: 0	129.950	11769.00	1023.55	
97	20:19: 0	130.200	7925.70		166.82
98	20:34: 0	130.450	11769.10	1023.65	
99	20:49: 0	130.700	7925.71		166.82
100	21: 4: 0	130.950	11769.20	1023.74	

DATE: 11/18/87
GAUGE SN #65685
WELL # 0
TEST # 801

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA FILE: 14

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	21:19: 0	131.200	7925.84		166.83
2	21:34: 0	131.450	11769.30	1023.85	
3	21:49: 0	131.700	7925.85		166.84
4	22: 4: 0	131.950	11769.40	1023.94	
5	22:19: 0	132.200	7925.98		166.85
6	22:34: 0	132.450	11769.49	1024.02	
7	22:49: 0	132.700	7926.00		166.85
8	23: 4: 0	132.950	11769.57	1024.10	
9	23:19: 0	133.200	7926.03		166.85
10	23:34: 0	133.450	11769.65	1024.18	
11	23:49: 0	133.700	7926.09		166.85
12	0: 4: 0	133.950	11769.74	1024.26	
13	0:19: 0	134.200	7926.10		166.86
14	0:34: 0	134.450	11769.83	1024.35	
15	0:49: 0	134.700	7926.19		166.86
16	1: 4: 0	134.950	11769.92	1024.43	
17	1:19: 0	135.200	7926.27		166.87
18	1:34: 0	135.450	11770.00	1024.51	
19	1:49: 0	135.700	7926.35		166.87
20	2: 4: 0	135.950	11770.09	1024.60	
21	2:19: 0	136.200	7926.46		166.88
22	2:34: 0	136.450	11770.17	1024.68	
23	2:49: 0	136.700	7926.46		166.88
24	3: 4: 0	136.950	11770.26	1024.76	
25	3:19: 0	137.200	7926.60		166.89
26	3:34: 0	137.450	11770.35	1024.84	
27	3:49: 0	137.700	7926.58		166.89
28	4: 4: 0	137.950	11770.43	1024.92	
29	4:19: 0	138.200	7926.63		166.90
30	4:34: 0	138.450	11770.52	1025.01	
31	4:49: 0	138.700	7926.62		166.90
32	5: 4: 0	138.950	11770.60	1025.08	
33	5:19: 0	139.200	7926.75		166.91
34	5:34: 0	139.450	11770.68	1025.16	
35	5:49: 0	139.700	7926.74		166.91
36	6: 4: 0	139.950	11770.76	1025.24	
37	6:19: 0	140.200	7926.79		166.91
38	6:34: 0	140.450	11770.84	1025.32	
39	6:49: 0	140.700	7926.82		166.91
40	7: 4: 0	140.950	11770.92	1025.39	
41	7:19: 0	141.200	7926.95		166.92
42	7:34: 0	141.450	11771.00	1025.47	
43	7:49: 0	141.700	7927.02		166.93
44	8: 4: 0	141.950	11771.08	1025.54	
45	8:19: 0	142.200	7926.95		166.92
46	8:34: 0	142.450	11771.15	1025.61	
47	8:49: 0	142.700	7927.10		166.93
48	9: 4: 0	142.950	11771.23	1025.69	
49	9:19: 0	143.200	7927.10		166.93
50	9:34: 0	143.450	11771.30	1025.76	

DATE: 11/19/87
GAUGE SN #69685
WELL # 0
TEST # 801

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA FILE: 14

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	9:49: 0	143.700	7927.18		166.94
52	10: 4: 0	143.950	11771.36	1025.81	
53	10:19: 0	144.200	7927.27		166.95
54	10:34: 0	144.450	11771.44	1025.89	
55	10:49: 0	144.700	7927.20		166.94
56	11: 4: 0	144.950	11771.50	1025.94	
57	11:19: 0	145.200	7927.22		166.94
58	11:34: 0	145.450	11771.57	1026.01	
59	11:49: 0	145.700	7927.28		166.95
60	12: 4: 0	145.950	11771.63	1026.07	
61	12:19: 0	146.200	7927.47		166.96
62	12:34: 0	146.450	11771.70	1026.14	
63	12:49: 0	146.700	7927.51		166.97
64	13: 4: 0	146.950	11771.78	1026.21	
65	13:19: 0	147.200	7927.55		166.97
66	13:34: 0	147.450	11771.85	1026.28	
67	13:49: 0	147.700	7927.64		166.98
68	14: 4: 0	147.950	11771.93	1026.36	
69	14:19: 0	148.200	7927.59		166.97
70	14:34: 0	148.450	11771.99	1026.42	
71	14:49: 0	148.700	7927.59		166.97
72	15: 4: 0	148.950	11772.07	1026.49	
73	15:19: 0	149.200	7927.65		166.98
74	15:34: 0	149.450	11772.14	1026.56	
75	15:49: 0	149.700	7927.66		166.98
76	16: 4: 0	149.950	11772.22	1026.63	
77	16:19: 0	150.200	7927.63		166.98
78	16:34: 0	150.450	11772.28	1026.69	
79	16:49: 0	150.700	7927.65		166.98
80	17: 4: 0	150.950	11772.36	1026.77	
81	17:19: 0	151.200	7927.77		166.99
82	17:34: 0	151.450	11772.43	1026.83	
83	17:49: 0	151.700	7927.79		166.99
84	18: 4: 0	151.950	11772.51	1026.91	
85	18:19: 0	152.200	7927.89		167.00
86	18:34: 0	152.450	11772.58	1026.98	
87	18:49: 0	152.700	7927.98		167.00
88	19: 4: 0	152.950	11772.66	1027.05	
89	19:19: 0	153.200	7927.95		167.00
90	19:34: 0	153.450	11772.74	1027.13	
91	19:49: 0	153.700	7927.99		167.00
92	20: 4: 0	153.950	11772.81	1027.20	
93	20:19: 0	154.200	7927.96		167.00
94	20:34: 0	154.450	11772.89	1027.27	
95	20:49: 0	154.700	7928.10		167.01
96	21: 4: 0	154.950	11772.96	1027.34	
97	21:19: 0	155.200	7928.10		167.01
98	21:34: 0	155.450	11773.03	1027.41	
99	21:49: 0	155.700	7928.12		167.01
100	22: 4: 0	155.950	11773.11	1027.48	

DATE: 11/19/87
GAUGE SN #59685
WELL # 0
TEST # 801

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA FILE: 15

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	22:19: 0	156.200	7928.17		167.02
2	22:34: 0	156.450	11773.18	1027.55	
3	22:49: 0	156.700	7928.22		167.02
4	23: 4: 0	156.950	11773.24	1027.61	
5	23:19: 0	157.200	7928.39		167.04
6	23:34: 0	157.450	11773.31	1027.68	
7	23:49: 0	157.700	7928.42		167.04
8	0: 4: 0	157.950	11773.38	1027.74	
9	0:19: 0	158.200	7928.41		167.04
10	0:34: 0	158.450	11773.44	1027.80	
11	0:49: 0	158.700	7928.47		167.04
12	1: 4: 0	158.950	11773.51	1027.87	
13	1:19: 0	159.200	7928.56		167.05
14	1:34: 0	159.450	11773.58	1027.93	
15	1:49: 0	159.700	7928.50		167.04
16	2: 4: 0	159.950	11773.64	1028.00	
17	2:19: 0	160.200	7928.49		167.04
18	2:34: 0	160.450	11773.71	1028.06	
19	2:49: 0	160.700	7928.61		167.05
20	3: 4: 0	160.950	11773.77	1028.12	
21	3:19: 0	161.200	7928.69		167.06
22	3:34: 0	161.450	11773.84	1028.18	
23	3:49: 0	161.700	7928.65		167.06
24	4: 4: 0	161.950	11773.90	1028.24	
25	4:19: 0	162.200	7928.67		167.06
26	4:34: 0	162.450	11773.97	1028.31	
27	4:49: 0	162.700	7928.68		167.06
28	5: 4: 0	162.950	11774.03	1028.37	
29	5:19: 0	163.200	7928.79		167.07
30	5:34: 0	163.450	11774.10	1028.43	
31	5:49: 0	163.700	7928.82		167.07
32	6: 4: 0	163.950	11774.16	1028.49	
33	6:19: 0	164.200	7928.88		167.07
34	6:34: 0	164.450	11774.22	1028.55	
35	6:49: 0	164.700	7928.93		167.08
36	7: 4: 0	164.950	11774.29	1028.62	
37	7:19: 0	165.200	7928.97		167.08
38	7:34: 0	165.450	11774.36	1028.68	
39	7:49: 0	165.700	7928.95		167.08
40	8: 4: 0	165.950	11774.42	1028.74	
41	8:19: 0	166.200	7929.05		167.09
42	8:34: 0	166.450	11774.48	1028.80	
43	8:49: 0	166.700	7929.05		167.09
44	9: 4: 0	166.950	11774.54	1028.85	
45	9:19: 0	167.200	7929.08		167.09
46	9:34: 0	167.450	11774.60	1028.92	
47	9:49: 0	167.700	7929.12		167.09
48	10: 4: 0	167.950	11774.66	1028.97	
49	10:19: 0	168.200	7929.22		167.10
50	10:34: 0	168.450	11774.72	1029.03	

DATE: 11/20/37
GAUGE SN #59635
WELL # 0
TEST # 801

DATA FILE: 15

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	10:49: 0	168.700	7929.17		167.10
52	11: 4: 0	168.950	11774.78	1029.08	
53	11:19: 0	169.200	7929.18		167.10
54	11:34: 0	169.450	11774.84	1029.14	
55	11:49: 0	169.700	7929.22		167.10
56	12: 4: 0	169.950	11774.89	1029.19	
57	12:19: 0	170.200	7929.31		167.11
58	12:34: 0	170.450	11774.96	1029.25	
59	12:49: 0	170.700	7929.27		167.10
60	13: 4: 0	170.950	11775.01	1029.30	
61	13:19: 0	171.200	7929.36		167.11
62	13:34: 0	171.450	11775.07	1029.36	
63	13:49: 0	171.700	7929.41		167.12
64	14: 4: 0	171.950	11775.12	1029.41	
65	14:19: 0	172.200	7929.38		167.11
66	14:34: 0	172.450	11775.16	1029.45	
67	14:49: 0	172.700	7929.40		167.12
68	15: 4: 0	172.950	11775.20	1029.49	
69	15:19: 0	173.200	7929.46		167.12
70	15:34: 0	173.450	11775.23	1029.51	
71	15:49: 0	173.700	7929.51		167.12
72	16: 4: 0	173.950	11775.26	1029.54	
73	16:19: 0	174.200	7929.61		167.13
74	16:34: 0	174.450	11775.28	1029.56	
75	16:49: 0	174.700	7929.58		167.13
76	17: 4: 0	174.950	11775.30	1029.58	
77	17:19: 0	175.200	7929.68		167.14
78	17:34: 0	175.450	11775.32	1029.60	
79	17:49: 0	175.700	7929.68		167.14
80	18: 4: 0	175.950	11775.34	1029.62	
81	18:19: 0	176.200	7929.73		167.14
82	18:34: 0	176.450	11775.36	1029.64	
83	18:49: 0	176.700	7929.74		167.14
84	19: 4: 0	176.950	11775.37	1029.65	
85	19:19: 0	177.200	7929.73		167.14
86	19:34: 0	177.450	11775.38	1029.66	
87	19:49: 0	177.700	7929.84		167.15
88	20: 4: 0	177.950	11775.39	1029.66	
89	20:19: 0	178.200	7929.86		167.15
90	20:34: 0	178.450	11775.39	1029.67	
91	20:49: 0	178.700	7929.93		167.16
92	21: 4: 0	178.950	11775.40	1029.68	
93	21:19: 0	179.200	7929.89		167.15
94	21:34: 0	179.450	11775.41	1029.69	
95	21:49: 0	179.700	7929.94		167.16
96	22: 4: 0	179.950	11775.42	1029.70	
97	22:19: 0	180.200	7929.94		167.16
98	22:34: 0	180.450	11775.43	1029.71	
99	22:49: 0	180.700	7929.96		167.16
100	23: 4: 0	180.950	11775.44	1029.71	

DATE: 11/20/87
GAUGE SN #65685
WELL # 0
TEST # 801

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA FILE: 16

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	23:19: 0	181.200	7930.00		167.16
2	23:34: 0	181.450	11775.44	1029.72	
3	23:49: 0	181.700	7930.01		167.16
4	0: 4: 0	181.950	11775.45	1029.73	
5	0:19: 0	182.200	7930.06		167.17
6	0:34: 0	182.450	11775.47	1029.74	
7	0:49: 0	182.700	7930.08		167.17
8	1: 4: 0	182.950	11775.48	1029.76	
9	1:19: 0	183.200	7930.20		167.18
10	1:34: 0	183.450	11775.49	1029.77	
11	1:49: 0	183.700	7930.16		167.18
12	2: 4: 0	183.950	11775.50	1029.77	
13	2:19: 0	184.200	7930.21		167.18
14	2:34: 0	184.450	11775.51	1029.79	
15	2:49: 0	184.700	7930.25		167.18
16	3: 4: 0	184.950	11775.52	1029.80	
17	3:19: 0	185.200	7930.30		167.19
18	3:34: 0	185.450	11775.53	1029.80	
19	3:49: 0	185.700	7930.34		167.19
20	4: 4: 0	185.950	11775.54	1029.81	
21	4:19: 0	186.200	7930.37		167.19
22	4:34: 0	186.450	11775.55	1029.83	
23	4:49: 0	186.700	7930.41		167.19
24	5: 4: 0	186.950	11775.56	1029.84	
25	5:19: 0	187.200	7930.46		167.20
26	5:34: 0	187.450	11775.57	1029.84	
27	5:49: 0	187.700	7930.47		167.20
28	6: 4: 0	187.950	11775.59	1029.86	
29	6:19: 0	188.200	7930.50		167.20
30	6:34: 0	188.450	11775.60	1029.87	
31	6:49: 0	188.700	7930.56		167.21
32	7: 4: 0	188.950	11775.61	1029.88	
33	7:19: 0	189.200	7930.54		167.21
34	7:34: 0	189.450	11775.61	1029.88	
35	7:49: 0	189.700	7930.63		167.21
36	8: 4: 0	189.950	11775.63	1029.90	
37	8:19: 0	190.200	7930.60		167.21
38	8:34: 0	190.450	11775.64	1029.91	
39	8:49: 0	190.700	7930.59		167.21
40	9: 4: 0	190.950	11775.65	1029.92	
41	9:19: 0	191.200	7930.62		167.21
42	9:34: 0	191.450	11775.66	1029.93	
43	9:49: 0	191.700	7930.66		167.21
44	10: 4: 0	191.950	11775.67	1029.94	
45	10:19: 0	192.200	7930.73		167.22
46	10:34: 0	192.450	11775.69	1029.95	
47	10:49: 0	192.700	7930.77		167.22
48	11: 4: 0	192.950	11775.69	1029.96	
49	11:19: 0	193.200	7930.81		167.23
50	11:34: 0	193.450	11775.69	1029.96	

DATE: 11/21/87
GAUGE SN #69585
WELL # 0
TEST # 801

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7265' Measured
7325' Actual

DATA FILE: 16

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	11:49: 0	193.700	7930.86		167.23
52	12: 4: 0	193.950	11775.69	1029.96	
53	12:19: 0	194.200	7930.87		167.23
54	12:34: 0	194.450	11775.69	1029.96	
55	12:49: 0	194.700	7930.93		167.24
56	13: 4: 0	194.950	11775.69	1029.96	
57	13:19: 0	195.200	7930.92		167.23
58	13:34: 0	195.450	11775.68	1029.95	
59	13:49: 0	195.700	7930.98		167.24
60	14: 4: 0	195.950	11775.67	1029.94	
61	14:19: 0	196.200	7931.01		167.24
62	14:34: 0	196.450	11775.66	1029.93	
63	14:49: 0	196.700	7726.87		151.20

DATE: 11/22/87
GAUGE SN #65685
WELL # 0
TEST # 202

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: CGU
COMMENTS: BHP @ 6865-7065-7265 Measured
6925-7125-7325 Actual

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	14:48: 0	0.000	6732.00		74.01
2	15:48: 0	1.000	10623.34	13.19	
3	16:48: 0	2.000	6644.00		67.27
4	17:48: 0	3.000	10622.67	11.97	
5	18:48: 0	4.000	6418.06		50.01
6	19:48: 0	5.000	10625.63	13.01	
7	20:48: 0	6.000	6482.91		54.95
8	21:48: 0	7.000	10623.01	11.15	
9	22:48: 0	8.000	6520.82		57.85
10	23:48: 0	9.000	10622.89	11.31	
11	0:48: 0	10.000	6526.56		58.28
12	1:48: 0	11.000	10622.82	11.29	
13	2:48: 0	12.000	6517.96		57.63
14	3:48: 0	13.000	10622.97	11.36	
15	4:48: 0	14.000	6515.96		57.47
16	5:48: 0	15.000	10622.92	11.30	
17	6:48: 0	16.000	6537.08		59.09
18	6:51: 0	16.050	6534.71		58.91
19	6:54: 0	16.100	10624.48	12.81	
20	6:57: 0	16.150	6529.13		58.48
21	7: 0: 0	16.200	10624.40	12.70	
22	7: 3: 0	16.250	6533.13		58.79
23	7: 6: 0	16.300	10623.87	12.26	
24	7: 9: 0	16.350	6541.84		59.45
25	7:12: 0	16.400	10623.83	12.28	
26	7:15: 0	16.450	6543.54		59.58
27	7:18: 0	16.500	10624.01	12.45	
28	7:21: 0	16.550	6538.32		59.18
29	7:24: 0	16.600	10624.34	12.71	
30	7:27: 0	16.650	6527.90		58.39
31	7:30: 0	16.700	10624.75	13.01	
32	7:33: 0	16.750	6513.78		57.31
33	7:36: 0	16.800	10624.70	12.86	
34	7:39: 0	16.850	6507.24		56.81
35	7:42: 0	16.900	10623.97	12.17	
36	7:45: 0	16.950	6514.96		57.40
37	7:48: 0	17.000	10623.36	11.68	
38	7:51: 0	17.050	6527.87		58.38
39	7:54: 0	17.100	10623.48	11.88	
40	7:57: 0	17.150	6528.81		58.46
41	8: 0: 0	17.200	10623.90	12.25	
42	8: 3: 0	17.250	6521.02		57.86
43	8: 6: 0	17.300	10624.09	12.37	
44	8: 9: 0	17.350	6512.71		57.23
45	8:12: 0	17.400	10623.97	12.21	
46	8:15: 0	17.450	6509.43		56.98
47	8:18: 0	17.500	10623.95	12.17	
48	8:21: 0	17.550	6506.23		56.73
49	8:24: 0	17.600	10623.90	12.10	
50	8:27: 0	17.650	6503.72		56.54

DATE: 11/23/87
GAUGE SN #65685
WELL # 0
TEST # 802

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU

DATA FILE: 1

COMMENTS: BHP @ 6865-7065-7265 Measured
6925-7125-7325 Actual

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	8:30: 0	17.700	10623.81	12.00	
52	8:33: 0	17.750	6502.33		56.43
53	8:36: 0	17.800	10623.71	11.90	
54	8:39: 0	17.850	6503.85		56.55
55	8:42: 0	17.900	10623.61	11.82	
56	8:45: 0	17.950	6504.17		56.57
57	8:48: 0	18.000	10623.62	11.84	
58	8:51: 0	18.050	6494.61		55.84
59	8:54: 0	18.100	10623.98	12.09	
60	8:57: 0	18.150	6482.04		54.88
61	9: 0: 0	18.200	10624.18	12.18	
62	9: 3: 0	18.250	6473.93		54.27
63	9: 6: 0	18.300	10624.29	12.22	
64	9: 9: 0	18.350	6467.66		53.79
65	9:12: 0	18.400	10624.35	12.22	
66	9:15: 0	18.450	6462.34		53.38
67	9:18: 0	18.500	10624.34	12.18	
68	9:21: 0	18.550	6458.48		53.09
69	9:24: 0	18.600	10624.31	12.13	
70	9:27: 0	18.650	6455.59		52.87
71	9:30: 0	18.700	10624.32	12.12	
72	9:33: 0	18.750	6453.43		52.70
73	9:36: 0	18.800	10624.25	12.04	
74	9:39: 0	18.850	6452.33		52.62
75	9:42: 0	18.900	10624.31	12.08	
76	9:45: 0	18.950	6457.64		53.02
77	9:48: 0	19.000	10623.99	11.84	
78	9:51: 0	19.050	6459.38		53.16
79	9:54: 0	19.100	10624.02	11.88	
80	9:57: 0	19.150	6461.06		53.28
81	10: 0: 0	19.200	10624.00	11.87	
82	10: 3: 0	19.250	6460.49		53.24
83	10: 6: 0	19.300	10624.02	11.89	
84	10: 9: 0	19.350	6461.47		53.32
85	10:12: 0	19.400	10623.87	11.76	
86	10:15: 0	19.450	6464.04		53.51
87	10:18: 0	19.500	10623.68	11.61	
88	10:21: 0	19.550	6467.60		53.78
89	10:24: 0	19.600	10623.54	11.51	
90	10:27: 0	19.650	6472.43		54.15
91	10:30: 0	19.700	10623.37	11.39	
92	10:33: 0	19.750	6477.67		54.55
93	10:36: 0	19.800	10623.22	11.30	
94	10:39: 0	19.850	6482.93		54.95
95	10:42: 0	19.900	10623.11	11.24	
96	10:45: 0	19.950	6485.26		55.13
97	10:48: 0	20.000	10623.16	11.30	
98	10:51: 0	20.050	6485.86		55.18
99	10:54: 0	20.100	10623.20	11.34	
100	10:57: 0	20.150	6489.51		55.46

DATE: 11/23/87
GAUGE SN #69685
WELL # 0
TEST # 802

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 6865-7065-7265 Measured
6925-7125-7325 Actual

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	11: 0: 0	20.200	10623.28	11.43	
2	11: 3: 0	20.250	6493.40		55.75
3	11: 6: 0	20.300	10623.33	11.51	
4	11: 9: 0	20.350	6492.27		55.67
5	11:12: 0	20.400	10623.48	11.63	
6	11:15: 0	20.450	6487.01		55.26
7	11:18: 0	20.500	11550.18	818.15	
8	11:21: 0	20.550	6542.56		59.51
9	11:24: 0	20.600	11542.19	810.97	
10	11:27: 0	20.650	6518.05		57.63
11	11:30: 0	20.700	11542.75	811.44	
12	11:33: 0	20.750	6509.44		56.98
13	11:36: 0	20.800	11541.79	810.56	
14	11:39: 0	20.850	6488.53		55.38
15	11:42: 0	20.900	11574.97	840.72	
16	11:45: 0	20.950	6806.98		79.77
17	11:48: 0	21.000	11625.73	887.68	
18	11:51: 0	21.050	7270.88		115.61
19	11:54: 0	21.100	11676.11	934.41	
20	11:57: 0	21.150	7644.32		144.73
21	12: 0: 0	21.200	11710.74	967.41	
22	12: 3: 0	21.250	7826.13		158.99
23	12: 6: 0	21.300	11709.15	966.61	
24	12: 9: 0	21.350	7834.98		159.69
25	12:12: 0	21.400	11709.19	966.67	
26	12:15: 0	21.450	7841.42		160.19
27	12:18: 0	21.500	11713.86	971.09	
28	12:21: 0	21.550	7853.29		161.12
29	12:24: 0	21.600	11713.90	971.16	
30	12:27: 0	21.650	7851.65		161.00
31	12:30: 0	21.700	11713.92	971.18	
32	12:33: 0	21.750	7921.93		166.53
33	12:36: 0	21.800	11776.95	1031.13	
34	12:39: 0	21.850	7926.37		166.88
35	12:42: 0	21.900	11776.91	1031.11	
36	12:45: 0	21.950	7929.17		167.10
37	12:48: 0	22.000	11776.92	1031.13	
38	12:51: 0	22.050	7930.45		167.20
39	12:54: 0	22.100	11776.92	1031.13	
40	12:57: 0	22.150	7931.28		167.26
41	13: 0: 0	22.200	11776.91	1031.12	
42	13: 3: 0	22.250	7931.93		167.31
43	13: 6: 0	22.300	11776.90	1031.12	
44	13: 9: 0	22.350	7932.37		167.35
45	13:12: 0	22.400	11776.90	1031.12	
46	13:15: 0	22.450	7932.66		167.37
47	13:18: 0	22.500	11776.89	1031.11	
48	13:21: 0	22.550	7932.90		167.39
49	13:24: 0	22.600	11776.89	1031.11	
50	13:27: 0	22.650	7933.09		167.41

DATE: 11/23/87
GAUGE SN #69685
WELL # 0
TEST # 802

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU

DATA FILE: 2

COMMENTS: BHP @ 6865-7065-7265 Measured
6925-7125-7325 Actual

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	13:30: 0	22.700	11776.89	1031.11	
52	13:33: 0	22.750	7933.21		167.42
53	13:36: 0	22.800	11776.89	1031.11	
54	13:39: 0	22.850	7933.33		167.42
55	13:42: 0	22.900	11776.88	1031.10	
56	13:45: 0	22.950	7933.45		167.43
57	13:48: 0	23.000	11776.88	1031.11	
58	13:51: 0	23.050	7933.54		167.44
59	13:54: 0	23.100	11776.88	1031.11	
60	13:57: 0	23.150	7933.59		167.45
61	14: 0: 0	23.200	11776.88	1031.10	
62	14: 3: 0	23.250	7933.63		167.45
63	14: 6: 0	23.300	11776.88	1031.11	
64	14: 9: 0	23.350	7933.67		167.45
65	14:12: 0	23.400	11776.88	1031.10	
66	14:15: 0	23.450	7933.64		167.45
67	14:18: 0	23.500	11776.88	1031.10	
68	14:21: 0	23.550	7933.69		167.45
69	14:24: 0	23.600	11776.88	1031.10	
70	14:27: 0	23.650	7933.78		167.46
71	14:30: 0	23.700	11776.86	1031.09	
72	14:33: 0	23.750	7933.82		167.46
73	14:36: 0	23.800	11776.88	1031.10	
74	14:39: 0	23.850	7933.82		167.46
75	14:42: 0	23.900	11776.87	1031.10	
76	14:45: 0	23.950	7933.78		167.46
77	14:48: 0	24.000	11776.87	1031.10	
78	14:51: 0	24.050	7933.79		167.46
79	14:54: 0	24.100	11776.87	1031.10	
80	14:57: 0	24.150	7933.82		167.46
81	15: 0: 0	24.200	11776.87	1031.10	
82	15: 3: 0	24.250	7933.83		167.46
83	15: 6: 0	24.300	11776.87	1031.10	
84	15: 9: 0	24.350	7933.84		167.46
85	15:12: 0	24.400	11776.87	1031.10	
86	15:15: 0	24.450	7933.80		167.46
87	15:18: 0	24.500	11776.87	1031.10	
88	15:21: 0	24.550	7933.81		167.46
89	15:24: 0	24.600	11776.87	1031.10	
90	15:27: 0	24.650	7933.85		167.47
91	15:30: 0	24.700	11776.87	1031.10	
92	15:33: 0	24.750	7933.84		167.46
93	15:36: 0	24.800	11776.87	1031.10	
94	15:39: 0	24.850	7933.82		167.46
95	15:42: 0	24.900	11776.86	1031.09	
96	15:45: 0	24.950	7933.83		167.46
97	15:48: 0	25.000	11776.86	1031.09	
98	15:51: 0	25.050	7933.85		167.47
99	15:54: 0	25.100	11776.86	1031.09	
100	15:57: 0	25.150	7933.83		167.46

DATE: 11/23/87
GAUGE SN #6685
WELL # 0
TEST # 802

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU

DATA FILE: 3

COMMENTS: BHP @ 6865-7065-7265 Measured
6925-7125-7325 Actual

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	16: 0: 0	25.200	11776.86	1031.09	
2	16: 3: 0	25.250	7933.85		167.47
3	16: 6: 0	25.300	11776.87	1031.10	
4	16: 9: 0	25.350	7933.89		167.47
5	16:12: 0	25.400	11776.86	1031.09	
6	16:15: 0	25.450	7933.90		167.47
7	16:18: 0	25.500	11776.86	1031.09	
8	16:21: 0	25.550	7933.89		167.47
9	16:24: 0	25.600	11776.86	1031.09	
10	16:27: 0	25.650	7933.88		167.47
11	16:30: 0	25.700	11776.86	1031.09	
12	16:33: 0	25.750	7933.89		167.47
13	16:36: 0	25.800	11776.86	1031.09	
14	16:39: 0	25.850	7933.91		167.47
15	16:42: 0	25.900	11776.86	1031.09	
16	16:45: 0	25.950	7933.91		167.47
17	16:48: 0	26.000	11776.86	1031.09	
18	17: 3: 0	26.250	7933.88		167.47
19	17:18: 0	26.500	11776.86	1031.09	
20	17:33: 0	26.750	7933.88		167.47
21	17:48: 0	27.000	11776.86	1031.09	
22	18: 3: 0	27.250	7933.89		167.47
23	18:18: 0	27.500	11776.86	1031.09	
24	18:33: 0	27.750	7933.88		167.47
25	18:48: 0	28.000	11776.86	1031.09	
26	19: 3: 0	28.250	7933.90		167.47
27	19:18: 0	28.500	11776.85	1031.08	
28	19:33: 0	28.750	7933.87		167.47
29	19:48: 0	29.000	11776.85	1031.07	
30	20: 3: 0	29.250	7933.87		167.47
31	20:18: 0	29.500	11776.85	1031.08	
32	20:33: 0	29.750	7933.90		167.47
33	20:48: 0	30.000	11776.85	1031.07	
34	21: 3: 0	30.250	7933.91		167.47
35	21:18: 0	30.500	11776.84	1031.07	
36	21:33: 0	30.750	7933.92		167.47
37	21:48: 0	31.000	11776.84	1031.06	
38	22: 3: 0	31.250	7933.98		167.48
39	22:18: 0	31.500	11776.84	1031.06	
40	22:33: 0	31.750	7933.98		167.48
41	22:48: 0	32.000	11776.83	1031.06	
42	23: 3: 0	32.250	7934.01		167.48
43	23:18: 0	32.500	11776.83	1031.06	
44	23:33: 0	32.750	7934.05		167.48
45	23:48: 0	33.000	11776.83	1031.06	
46	0: 3: 0	33.250	7934.01		167.48
47	0:18: 0	33.500	11776.82	1031.05	
48	0:33: 0	33.750	7934.01		167.48
49	0:48: 0	34.000	11776.83	1031.06	
50	1: 3: 0	34.250	7934.03		167.48

DATE: 11/24/87
GAUGE SN #65685
WELL # 0
TEST # 802

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU

DATA FILE: 3

COMMENTS: BHP @ 6865-7065-7265 Measured
6925-7125-7325 Actual

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	1:18: 0	34.500	11776.83	1031.06	
52	1:33: 0	34.750	7934.08		167.48
53	1:48: 0	35.000	11776.83	1031.06	
54	2: 3: 0	35.250	7934.09		167.48
55	2:18: 0	35.500	11776.84	1031.06	
56	2:33: 0	35.750	7934.13		167.49
57	2:48: 0	36.000	11776.84	1031.06	
58	3: 3: 0	36.250	7934.11		167.49
59	3:18: 0	36.500	11776.84	1031.07	
60	3:33: 0	36.750	7934.17		167.49
61	3:48: 0	37.000	11776.85	1031.08	
62	4: 3: 0	37.250	7934.17		167.49
63	4:18: 0	37.500	11776.86	1031.09	
64	4:33: 0	37.750	7934.17		167.49
65	4:48: 0	38.000	11776.86	1031.09	
66	5: 3: 0	38.250	7934.22		167.49
67	5:18: 0	38.500	11776.86	1031.09	
68	5:33: 0	38.750	7934.20		167.49
69	5:48: 0	39.000	11776.87	1031.10	
70	6: 3: 0	39.250	7934.19		167.49
71	6:18: 0	39.500	11776.87	1031.10	
72	6:33: 0	39.750	7934.20		167.49
73	6:48: 0	40.000	11776.88	1031.11	
74	7: 3: 0	40.250	7934.24		167.50
75	7:18: 0	40.500	11776.89	1031.11	
76	7:33: 0	40.750	7934.28		167.50
77	7:48: 0	41.000	11776.89	1031.12	
78	8: 3: 0	41.250	7934.31		167.50
79	8:18: 0	41.500	11776.89	1031.12	
80	8:33: 0	41.750	7934.24		167.50
81	8:48: 0	42.000	11776.89	1031.12	
82	9: 3: 0	42.250	7934.31		167.50
83	9:18: 0	42.500	11776.90	1031.12	
84	9:33: 0	42.750	7934.31		167.50
85	9:48: 0	43.000	11776.90	1031.13	
86	10: 3: 0	43.250	7934.30		167.50
87	10:18: 0	43.500	11776.91	1031.14	
88	10:33: 0	43.750	7934.37		167.51
89	10:48: 0	44.000	11776.93	1031.16	
90	11: 3: 0	44.250	7934.39		167.51
91	11:18: 0	44.500	11776.94	1031.17	
92	11:33: 0	44.750	7934.35		167.50
93	11:48: 0	45.000	11776.96	1031.19	
94	12: 3: 0	45.250	7934.36		167.51
95	12:18: 0	45.500	11776.99	1031.21	
96	12:33: 0	45.750	7934.39		167.51
97	12:48: 0	46.000	11777.00	1031.23	
98	13: 3: 0	46.250	7934.37		167.51
99	13:18: 0	46.500	11777.02	1031.24	
100	13:33: 0	46.750	7934.42		167.51

DATE: 11/24/87
GAUGE SN #65685
WELL # 0
TEST # 802

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 6865-7065-7265 Measured
6925-7125-7325 Actual

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	13:48: 0	47.000	11777.04	1031.26	
2	14: 3: 0	47.250	7934.44		167.51
3	14:18: 0	47.500	11777.06	1031.28	
4	14:33: 0	47.750	7934.44		167.51
5	14:48: 0	48.000	11777.08	1031.30	
6	15: 3: 0	48.250	7934.47		167.51
7	15:18: 0	48.500	11777.10	1031.32	
8	15:33: 0	48.750	7934.44		167.51
9	15:48: 0	49.000	11777.12	1031.34	
10	16: 3: 0	49.250	7934.49		167.52
11	16:18: 0	49.500	11777.14	1031.36	
12	16:33: 0	49.750	7934.51		167.52
13	16:48: 0	50.000	11777.16	1031.38	
14	17: 3: 0	50.250	7934.51		167.52
15	17:18: 0	50.500	11777.18	1031.39	
16	17:33: 0	50.750	7934.51		167.52
17	17:48: 0	51.000	11777.20	1031.41	
18	18: 3: 0	51.250	7934.51		167.52
19	18:18: 0	51.500	11777.22	1031.43	
20	18:33: 0	51.750	7934.54		167.52
21	18:48: 0	52.000	11777.24	1031.45	
22	19: 3: 0	52.250	7934.62		167.53
23	19:18: 0	52.500	11777.25	1031.47	
24	19:33: 0	52.750	7934.56		167.52
25	19:48: 0	53.000	11777.27	1031.48	
26	20: 3: 0	53.250	7934.62		167.53
27	20:18: 0	53.500	11777.29	1031.50	
28	20:33: 0	53.750	7934.60		167.53
29	20:48: 0	54.000	11777.31	1031.52	
30	21: 3: 0	54.250	7934.63		167.53
31	21:18: 0	54.500	11777.33	1031.54	
32	21:33: 0	54.750	7934.68		167.53
33	21:48: 0	55.000	11777.35	1031.56	
34	22: 3: 0	55.250	7934.66		167.53
35	22:18: 0	55.500	11777.36	1031.57	
36	22:33: 0	55.750	7934.68		167.53
37	22:48: 0	56.000	11777.38	1031.59	
38	23: 3: 0	56.250	7934.67		167.53
39	23:18: 0	56.500	11777.41	1031.61	
40	23:33: 0	56.750	7934.73		167.53
41	23:48: 0	57.000	11777.42	1031.62	
42	0: 3: 0	57.250	7934.72		167.53
43	0:18: 0	57.500	11777.43	1031.64	
44	0:33: 0	57.750	7934.69		167.53
45	0:48: 0	58.000	11777.45	1031.65	
46	1: 3: 0	58.250	7934.74		167.54
47	1:18: 0	58.500	11777.47	1031.67	
48	1:33: 0	58.750	7934.73		167.54
49	1:48: 0	59.000	11777.49	1031.69	
50	2: 3: 0	59.250	7934.74		167.54

DATE: 11/25/87
GAUGE SN #69685
WELL # 0
TEST # 302

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU

DATA FILE: 4

COMMENTS: BHP @ 6865-7065-7265 Measured
6925-7125-7325 Actual

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	2:18:0	59.500	11777.51	1031.71	
52	2:33:0	59.750	7934.73		167.53
53	2:48:0	60.000	11777.53	1031.73	
54	3:03:0	60.250	7934.75		167.54
55	3:18:0	60.500	11777.54	1031.74	
56	3:33:0	60.750	7934.75		167.54
57	3:48:0	61.000	11777.56	1031.76	
58	4:03:0	61.250	7934.79		167.54
59	4:18:0	61.500	11777.58	1031.78	
60	4:33:0	61.750	7934.80		167.54
61	4:48:0	62.000	11777.59	1031.79	
62	5:03:0	62.250	7934.84		167.54
63	5:18:0	62.500	11777.61	1031.80	
64	5:33:0	62.750	7934.87		167.55
65	5:48:0	63.000	11777.62	1031.82	
66	6:03:0	63.250	7934.80		167.54
67	6:18:0	63.500	11777.65	1031.84	
68	6:33:0	63.750	7934.87		167.55
69	6:48:0	64.000	11777.66	1031.86	
70	7:03:0	64.250	7934.86		167.54
71	7:18:0	64.500	11777.68	1031.87	
72	7:33:0	64.750	7934.89		167.55
73	7:48:0	65.000	11777.70	1031.89	
74	8:03:0	65.250	7934.94		167.55
75	8:18:0	65.500	11777.71	1031.90	
76	8:33:0	65.750	7934.90		167.55
77	8:48:0	66.000	11777.73	1031.92	
78	9:03:0	66.250	7934.91		167.55
79	9:18:0	66.500	11777.74	1031.93	
80	9:33:0	66.750	7934.91		167.55
81	9:48:0	67.000	11777.76	1031.95	
82	10:03:0	67.250	7934.96		167.55
83	10:18:0	67.500	11777.77	1031.96	
84	10:33:0	67.750	7934.96		167.55
85	10:48:0	68.000	11777.78	1031.97	
86	11:03:0	68.250	7934.95		167.55
87	11:18:0	68.500	11777.80	1031.99	
88	11:33:0	68.750	7935.00		167.56
89	11:48:0	69.000	11777.81	1032.00	
90	12:03:0	69.250	7935.02		167.56
91	12:18:0	69.500	11777.83	1032.02	
92	12:33:0	69.750	7935.02		167.56
93	12:48:0	70.000	11777.87	1032.05	
94	13:03:0	70.250	7935.07		167.56
95	13:18:0	70.500	11777.94	1032.12	
96	13:33:0	70.750	7935.05		167.56
97	13:48:0	71.000	11778.02	1032.20	
98	14:03:0	71.250	7935.07		167.56
99	14:18:0	71.500	11778.11	1032.28	
100	14:33:0	71.750	7935.09		167.56

DATE: 11/25/87
GAUGE SN #63685
WELL # 0
TEST # 802

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 6865-7065-7265 Measured
6925-7125-7325 Actual

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	14:48: 0	72.000	11778.20	1032.37	
2	15: 3: 0	72.250	7935.11		167.57
3	15:18: 0	72.500	11778.30	1032.47	
4	15:33: 0	72.750	7935.11		167.57
5	15:48: 0	73.000	11778.39	1032.55	
6	16: 3: 0	73.250	7935.12		167.57
7	16:18: 0	73.500	11778.47	1032.63	
8	16:33: 0	73.750	7935.07		167.56
9	16:48: 0	74.000	11778.54	1032.70	
10	17: 3: 0	74.250	7935.12		167.57
11	17:18: 0	74.500	11778.62	1032.77	
12	17:33: 0	74.750	7935.12		167.57
13	17:48: 0	75.000	11778.67	1032.82	
14	18: 3: 0	75.250	7935.08		167.56
15	18:18: 0	75.500	11778.73	1032.88	
16	18:33: 0	75.750	7935.12		167.57
17	18:48: 0	76.000	11778.77	1032.92	
18	19: 3: 0	76.250	7935.16		167.57
19	19:18: 0	76.500	11778.81	1032.96	
20	19:33: 0	76.750	7935.22		167.57
21	19:48: 0	77.000	11778.84	1032.99	
22	20: 3: 0	77.250	7935.20		167.57
23	20:18: 0	77.500	11778.88	1033.02	
24	20:33: 0	77.750	7935.20		167.57
25	20:48: 0	78.000	11778.91	1033.05	
26	21: 3: 0	78.250	7935.22		167.57
27	21:18: 0	78.500	11778.92	1033.06	
28	21:33: 0	78.750	7935.28		167.58
29	21:48: 0	79.000	11778.95	1033.09	
30	22: 3: 0	79.250	7935.27		167.58
31	22:18: 0	79.500	11778.96	1033.10	
32	22:33: 0	79.750	7935.30		167.58
33	22:48: 0	80.000	11778.98	1033.12	
34	23: 3: 0	80.250	7935.28		167.58
35	23:18: 0	80.500	11779.00	1033.13	
36	23:33: 0	80.750	7935.30		167.58
37	23:48: 0	81.000	11779.01	1033.15	
38	0: 3: 0	81.250	7935.30		167.58
39	0:18: 0	81.500	11779.02	1033.15	
40	0:33: 0	81.750	7935.31		167.58
41	0:48: 0	82.000	11779.03	1033.17	
42	1: 3: 0	82.250	7935.32		167.58
43	1:18: 0	82.500	11779.05	1033.18	
44	1:33: 0	82.750	7935.37		167.59
45	1:48: 0	83.000	11779.06	1033.20	
46	2: 3: 0	83.250	7935.36		167.58
47	2:18: 0	83.500	11779.07	1033.20	
48	2:33: 0	83.750	7935.37		167.59
49	2:48: 0	84.000	11779.07	1033.21	
50	3: 3: 0	84.250	7935.40		167.59

DATE: 11/26/87
GAUGE SN #69685
WELL # 0
TEST # 802

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 6865-7065-7265 Measured
6925-7125-7325 Actual

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	3:18: 0	84.500	11779.08	1033.22	
52	3:33: 0	84.750	7935.39		167.59
53	3:48: 0	85.000	11779.10	1033.23	
54	4: 3: 0	85.250	7935.41		167.59
55	4:18: 0	85.500	11779.10	1033.23	
56	4:33: 0	85.750	7935.42		167.59
57	4:48: 0	86.000	11779.11	1033.25	
58	5: 3: 0	86.250	7935.47		167.59
59	5:18: 0	86.500	11779.12	1033.26	
60	5:33: 0	86.750	7935.42		167.59
61	5:48: 0	87.000	11779.13	1033.26	
62	6: 3: 0	87.250	7935.47		167.59
63	6:18: 0	87.500	11779.14	1033.27	
64	6:33: 0	87.750	7935.54		167.60
65	6:48: 0	88.000	11779.15	1033.28	
66	7: 3: 0	88.250	7935.46		167.59
67	7:18: 0	88.500	11779.15	1033.28	
68	7:33: 0	88.750	7935.51		167.60
69	7:48: 0	89.000	11779.16	1033.29	
70	8: 3: 0	89.250	7935.51		167.60
71	8:18: 0	89.500	11779.17	1033.30	
72	8:33: 0	89.750	7935.49		167.59
73	8:48: 0	90.000	11779.18	1033.31	
74	9: 3: 0	90.250	7935.57		167.60
75	9:18: 0	90.500	11779.19	1033.32	
76	9:33: 0	90.750	7935.59		167.60
77	9:48: 0	91.000	11779.19	1033.32	
78	10: 3: 0	91.250	7935.61		167.60
79	10:18: 0	91.500	11779.20	1033.33	
80	10:33: 0	91.750	7935.59		167.60
81	10:48: 0	92.000	11779.20	1033.33	
82	11: 3: 0	92.250	7935.59		167.60
83	11:18: 0	92.500	11779.21	1033.34	
84	11:33: 0	92.750	7935.64		167.61
85	11:48: 0	93.000	11779.21	1033.34	
86	12: 3: 0	93.250	7935.58		167.60
87	12:18: 0	93.500	11779.22	1033.35	
88	12:33: 0	93.750	7935.62		167.61
89	12:48: 0	94.000	11779.23	1033.36	
90	13: 3: 0	94.250	7935.57		167.60
91	13:18: 0	94.500	11779.24	1033.36	
92	13:33: 0	94.750	7935.57		167.60
93	13:48: 0	95.000	11779.24	1033.36	
94	14: 3: 0	95.250	7935.61		167.60
95	14:18: 0	95.500	11779.24	1033.37	
96	14:33: 0	95.750	7935.63		167.61
97	14:48: 0	96.000	11779.25	1033.37	
98	15: 3: 0	96.250	7935.68		167.61
99	15:18: 0	96.500	11779.25	1033.37	
100	15:33: 0	96.750	7935.69		167.61

DATE: 11/26/87
GAUGE SN #69685
WELL # 0
TEST # 802

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 6865-7065-7265 Measured
6925-7125-7325 Actual

DATA FILE: 6

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE °F
1	15:48: 0	97.000	11779.26	1033.39	
2	16: 3: 0	97.250	7935.73		167.61
3	16:18: 0	97.500	11779.27	1033.40	
4	16:33: 0	97.750	7935.69		167.61
5	16:48: 0	98.000	11779.27	1033.40	
6	17: 3: 0	98.250	7935.73		167.61
7	17:18: 0	98.500	11779.27	1033.40	
8	17:33: 0	98.750	7935.69		167.61
9	17:48: 0	99.000	11779.28	1033.41	
10	18: 3: 0	99.250	7935.77		167.62
11	18:18: 0	99.500	11779.29	1033.41	
12	18:33: 0	99.750	7935.76		167.62
13	18:48: 0	100.000	11779.29	1033.42	
14	19: 3: 0	100.250	7935.74		167.61
15	19:18: 0	100.500	11779.30	1033.42	
16	19:33: 0	100.750	7935.79		167.62
17	19:48: 0	101.000	11779.31	1033.43	
18	20: 3: 0	101.250	7935.75		167.62
19	20:18: 0	101.500	11779.31	1033.44	
20	20:33: 0	101.750	7935.74		167.61
21	20:48: 0	102.000	11779.32	1033.44	
22	21: 3: 0	102.250	7935.79		167.62
23	21:18: 0	102.500	11779.32	1033.45	
24	21:33: 0	102.750	7935.83		167.62
25	21:48: 0	103.000	11779.33	1033.46	
26	22: 3: 0	103.250	7935.84		167.62
27	22:18: 0	103.500	11779.34	1033.47	
28	22:33: 0	103.750	7935.84		167.62
29	22:48: 0	104.000	11779.35	1033.47	
30	23: 3: 0	104.250	7935.81		167.62
31	23:18: 0	104.500	11779.35	1033.47	
32	23:33: 0	104.750	7935.85		167.62
33	23:48: 0	105.000	11779.36	1033.48	
34	0: 3: 0	105.250	7935.90		167.63
35	0:18: 0	105.500	11779.36	1033.49	
36	0:33: 0	105.750	7935.88		167.63
37	0:48: 0	106.000	11779.37	1033.49	
38	1: 3: 0	106.250	7935.83		167.62
39	1:18: 0	106.500	11779.38	1033.50	
40	1:33: 0	106.750	7935.90		167.63
41	1:48: 0	107.000	11779.39	1033.51	
42	2: 3: 0	107.250	7935.89		167.63
43	2:18: 0	107.500	11779.39	1033.51	
44	2:33: 0	107.750	7935.92		167.63
45	2:48: 0	108.000	11779.40	1033.52	
46	3: 3: 0	108.250	7935.94		167.63
47	3:18: 0	108.500	11779.40	1033.52	
48	3:33: 0	108.750	7935.94		167.63
49	3:48: 0	109.000	11779.41	1033.53	
50	4: 3: 0	109.250	7936.00		167.63

DATE: 11/27/87
GAUGE SN #59685
WELL # 0
TEST # 802

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU

DATA FILE: 6

COMMENTS: BHP @ 5865-7065-7265 Measured
6925-7125-7325 Actual

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	4:18: 0	109.500	11779.42	1033.54	
52	4:33: 0	109.750	7935.95		167.63
53	4:48: 0	110.000	11779.43	1033.55	
54	5: 3: 0	110.250	7936.00		167.64
55	5:18: 0	110.500	11779.43	1033.55	
56	5:33: 0	110.750	7935.99		167.63
57	5:48: 0	111.000	11779.44	1033.56	
58	6: 3: 0	111.250	7935.98		167.63
59	6:18: 0	111.500	11779.45	1033.57	
60	6:33: 0	111.750	7935.98		167.63
61	6:48: 0	112.000	11779.46	1033.58	
62	7: 3: 0	112.250	7936.06		167.64
63	7:18: 0	112.500	11779.45	1033.57	
64	7:33: 0	112.750	7936.07		167.64
65	7:48: 0	113.000	11779.46	1033.58	
66	8: 3: 0	113.250	7936.05		167.64
67	8:18: 0	113.500	11779.47	1033.59	
68	8:33: 0	113.750	7936.04		167.64
69	8:48: 0	114.000	11779.48	1033.60	
70	9: 3: 0	114.250	7936.09		167.64
71	9:18: 0	114.500	11779.49	1033.61	
72	9:33: 0	114.750	7936.04		167.64
73	9:48: 0	115.000	11779.49	1033.61	
74	10: 3: 0	115.250	7936.05		167.64
75	10:18: 0	115.500	11779.50	1033.62	
76	10:33: 0	115.750	7936.07		167.64
77	10:48: 0	116.000	11779.50	1033.62	
78	11: 3: 0	116.250	7936.05		167.64
79	11:18: 0	116.500	11779.50	1033.62	
80	11:33: 0	116.750	7936.13		167.65
81	11:48: 0	117.000	11779.50	1033.62	
82	12: 3: 0	117.250	7936.08		167.64
83	12:18: 0	117.500	11779.49	1033.61	
84	12:33: 0	117.750	7936.11		167.64
85	12:48: 0	118.000	11779.49	1033.61	
86	13: 3: 0	118.250	7936.09		167.64
87	13:18: 0	118.500	11779.49	1033.61	
88	13:33: 0	118.750	7936.05		167.64
89	13:48: 0	119.000	11779.48	1033.59	
90	14: 3: 0	119.250	7936.13		167.65
91	14:18: 0	119.500	11779.47	1033.59	
92	14:33: 0	119.750	7936.12		167.64
93	14:48: 0	120.000	11779.47	1033.59	
94	15: 3: 0	120.250	7936.17		167.65
95	15:18: 0	120.500	11779.46	1033.58	
96	15:33: 0	120.750	7936.14		167.65
97	15:48: 0	121.000	11779.46	1033.58	
98	16: 3: 0	121.250	7936.19		167.65
99	16:18: 0	121.500	11779.45	1033.57	
100	16:33: 0	121.750	7936.16		167.65

DATE: 11/27/87
GAUGE SN #69585
WELL # 0
TEST # 902

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU

DATA FILE: 7

COMMENTS: BHP @ 6865-7065-7265 Measured
6925-7125-7325 Actual

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	16:48: 0	122.000	11779.45	1033.57	
2	17: 3: 0	122.250	7936.19		167.65
3	17:18: 0	122.500	11779.44	1033.56	
4	17:33: 0	122.750	7936.20		167.65
5	17:48: 0	123.000	11779.44	1033.56	
6	18: 3: 0	123.250	7936.22		167.65
7	18:18: 0	123.500	11779.44	1033.56	
8	18:33: 0	123.750	7936.21		167.65
9	18:48: 0	124.000	11779.43	1033.55	
10	19: 3: 0	124.250	7936.16		167.65
11	19:18: 0	124.500	11779.43	1033.55	
12	19:33: 0	124.750	7936.18		167.65
13	19:48: 0	125.000	11779.42	1033.54	
14	20: 3: 0	125.250	7936.19		167.65
15	20:18: 0	125.500	11779.42	1033.54	
16	20:33: 0	125.750	7936.26		167.66
17	20:48: 0	126.000	11779.42	1033.54	
18	21: 3: 0	126.250	7936.20		167.65
19	21:18: 0	126.500	11779.41	1033.54	
20	21:33: 0	126.750	7936.21		167.65
21	21:48: 0	127.000	11779.41	1033.53	
22	22: 3: 0	127.250	7936.30		167.66
23	22:18: 0	127.500	11779.41	1033.53	
24	22:33: 0	127.750	7936.23		167.65
25	22:48: 0	128.000	11779.40	1033.53	
26	23: 3: 0	128.250	7936.28		167.66
27	23:18: 0	128.500	11779.40	1033.52	
28	23:33: 0	128.750	7936.29		167.66
29	23:48: 0	129.000	11779.39	1033.52	
30	0: 3: 0	129.250	7936.26		167.66
31	0:18: 0	129.500	11779.39	1033.51	
32	0:33: 0	129.750	7936.28		167.66
33	0:48: 0	130.000	11779.38	1033.50	
34	1: 3: 0	130.250	7936.27		167.66
35	1:18: 0	130.500	11779.38	1033.50	
36	1:33: 0	130.750	7936.25		167.65
37	1:48: 0	131.000	11779.37	1033.49	
38	2: 3: 0	131.250	7936.28		167.66
39	2:18: 0	131.500	11779.37	1033.49	
40	2:33: 0	131.750	7936.33		167.66
41	2:48: 0	132.000	11779.36	1033.49	
42	3: 3: 0	132.250	7936.32		167.66
43	3:18: 0	132.500	11779.36	1033.49	
44	3:33: 0	132.750	7936.31		167.66
45	3:48: 0	133.000	11779.36	1033.48	
46	4: 3: 0	133.250	7936.26		167.66
47	4:18: 0	133.500	11779.35	1033.48	
48	4:33: 0	133.750	7936.34		167.66
49	4:48: 0	134.000	11779.35	1033.47	
50	5: 3: 0	134.250	7936.39		167.67

DATE: 11/28/87
GAUGE SN #68685
WELL # 0
TEST # 802

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU

DATA FILE: 7

COMMENTS: BHP @ 6865-7065-7265 Measured
6925-7125-7325 Actual

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	5:18: 0	134.500	11779.35	1033.48	
52	5:33: 0	134.750	7936.37		167.66
53	5:48: 0	135.000	11779.35	1033.48	
54	6: 3: 0	135.250	7936.40		167.67
55	6:18: 0	135.500	11779.36	1033.48	
56	6:33: 0	135.750	7936.41		167.67
57	6:48: 0	136.000	11779.36	1033.49	
58	7: 3: 0	136.250	7936.31		167.66
59	7:18: 0	136.500	11779.38	1033.50	
60	7:33: 0	136.750	7936.36		167.66
61	7:48: 0	137.000	11779.39	1033.51	
62	8: 3: 0	137.250	7936.35		167.66
63	8:18: 0	137.500	11779.40	1033.52	
64	8:33: 0	137.750	7936.36		167.66
65	8:48: 0	138.000	11779.41	1033.53	
66	9: 3: 0	138.250	7936.40		167.67
67	9:18: 0	138.500	11779.42	1033.54	
68	9:33: 0	138.750	7936.41		167.67
69	9:48: 0	139.000	11779.43	1033.55	
70	10: 3: 0	139.250	7936.43		167.67
71	10:18: 0	139.500	11779.44	1033.56	
72	10:33: 0	139.750	7936.50		167.67
73	10:48: 0	140.000	11779.44	1033.56	
74	11: 3: 0	140.250	7936.42		167.67
75	11:18: 0	140.500	11779.45	1033.57	
76	11:33: 0	140.750	7936.46		167.67
77	11:48: 0	141.000	11779.45	1033.57	
78	12: 3: 0	141.250	7936.42		167.67
79	12:18: 0	141.500	11779.45	1033.57	
80	12:33: 0	141.750	7936.48		167.67
81	12:48: 0	142.000	11779.45	1033.57	
82	13: 3: 0	142.250	7936.45		167.67
83	13:18: 0	142.500	11779.45	1033.57	
84	13:33: 0	142.750	7936.53		167.68
85	13:48: 0	143.000	11779.45	1033.58	
86	14: 3: 0	143.250	7936.55		167.68
87	14:18: 0	143.500	11779.46	1033.58	
88	14:33: 0	143.750	7936.52		167.68
89	14:48: 0	144.000	11779.46	1033.58	
90	15: 3: 0	144.250	7936.53		167.68
91	15:18: 0	144.500	11779.46	1033.58	
92	15:33: 0	144.750	7936.55		167.68
93	15:48: 0	145.000	11779.46	1033.58	
94	16: 3: 0	145.250	7936.55		167.68
95	16:18: 0	145.500	11779.46	1033.58	
96	16:33: 0	145.750	7936.61		167.68
97	16:48: 0	146.000	11779.46	1033.59	
98	17: 3: 0	146.250	7936.53		167.68
99	17:18: 0	146.500	11779.48	1033.60	
100	17:33: 0	146.750	7936.50		167.67

DATE: 11/28/87
GAUGE SN #69685
WELL # 0
TEST # 802

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 6865-7065-7265 Measured
6925-7125-7325 Actual

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	17:48: 0	147.000	11779.48	1033.60	
2	18: 3: 0	147.250	7936.56		167.68
3	18:18: 0	147.500	11779.48	1033.60	
4	18:33: 0	147.750	7936.56		167.68
5	18:48: 0	148.000	11779.48	1033.60	
6	19: 3: 0	148.250	7936.55		167.68
7	19:18: 0	148.500	11779.49	1033.61	
8	19:33: 0	148.750	7936.55		167.68
9	19:48: 0	149.000	11779.50	1033.62	
10	20: 3: 0	149.250	7936.56		167.68
11	20:18: 0	149.500	11779.50	1033.62	
12	20:33: 0	149.750	7936.55		167.68
13	20:48: 0	150.000	11779.51	1033.63	
14	21: 3: 0	150.250	7936.58		167.68
15	21:18: 0	150.500	11779.52	1033.64	
16	21:33: 0	150.750	7936.60		167.68
17	21:48: 0	151.000	11779.53	1033.65	
18	22: 3: 0	151.250	7936.58		167.68
19	22:18: 0	151.500	11779.54	1033.66	
20	22:33: 0	151.750	7936.62		167.68
21	22:48: 0	152.000	11779.55	1033.67	
22	23: 3: 0	152.250	7936.65		167.69
23	23:18: 0	152.500	11779.56	1033.68	
24	23:33: 0	152.750	7936.65		167.69
25	23:48: 0	153.000	11779.57	1033.69	
26	0: 3: 0	153.250	7936.67		167.69
27	0:18: 0	153.500	11779.58	1033.70	
28	0:33: 0	153.750	7936.70		167.69
29	0:48: 0	154.000	11779.59	1033.70	
30	1: 3: 0	154.250	7936.67		167.69
31	1:18: 0	154.500	11779.60	1033.72	
32	1:33: 0	154.750	7936.66		167.69
33	1:48: 0	155.000	11779.61	1033.72	
34	2: 3: 0	155.250	7936.67		167.69
35	2:18: 0	155.500	11779.63	1033.74	
36	2:33: 0	155.750	7936.64		167.69
37	2:48: 0	156.000	11779.63	1033.75	
38	3: 3: 0	156.250	7936.69		167.69
39	3:18: 0	156.500	11779.64	1033.76	
40	3:33: 0	156.750	7936.68		167.69
41	3:48: 0	157.000	11779.66	1033.77	
42	4: 3: 0	157.250	7936.67		167.69
43	4:18: 0	157.500	11779.67	1033.78	
44	4:33: 0	157.750	7936.67		167.69
45	4:48: 0	158.000	11779.69	1033.80	
46	5: 3: 0	158.250	7936.75		167.69
47	5:18: 0	158.500	11779.69	1033.80	
48	5:33: 0	158.750	7936.75		167.69
49	5:48: 0	159.000	11779.71	1033.82	
50	6: 3: 0	159.250	7936.74		167.69

DATE: 11/29/87
GAUGE SN #65685
WELL # 0
TEST # 802

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 6865-7065-7265 Measured
8925-7125-7325 Actual

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	6:18: 0	159.500	11779.72	1033.83	
52	6:33: 0	159.750	7936.77		167.70
53	6:48: 0	160.000	11779.73	1033.84	
54	7: 3: 0	160.250	7936.77		167.70
55	7:18: 0	160.500	11779.75	1033.86	
56	7:33: 0	160.750	7936.75		167.69
57	7:48: 0	161.000	11779.76	1033.87	
58	8: 3: 0	161.250	7936.79		167.70
59	8:18: 0	161.500	11779.78	1033.89	
60	8:33: 0	161.750	7936.77		167.70
61	8:48: 0	162.000	11779.79	1033.90	
62	9: 3: 0	162.250	7936.86		167.70
63	9:18: 0	162.500	11779.80	1033.91	
64	9:33: 0	162.750	7936.81		167.70
65	9:48: 0	163.000	11779.82	1033.92	
66	10: 3: 0	163.250	7936.79		167.70
67	10:18: 0	163.500	11779.83	1033.93	
68	10:33: 0	163.750	7936.82		167.70
69	10:48: 0	164.000	11779.84	1033.95	
70	11: 3: 0	164.250	7936.82		167.70
71	11:18: 0	164.500	11779.85	1033.95	
72	11:33: 0	164.750	7936.86		167.70
73	11:48: 0	165.000	11779.87	1033.97	
74	12: 3: 0	165.250	7936.85		167.70
75	12:18: 0	165.500	11779.88	1033.98	
76	12:33: 0	165.750	7936.85		167.70
77	12:48: 0	166.000	11779.88	1033.99	
78	13: 3: 0	166.250	7936.86		167.70
79	13:18: 0	166.500	11779.89	1034.00	
80	13:33: 0	166.750	7936.86		167.70
81	13:48: 0	167.000	11779.91	1034.01	
82	14: 3: 0	167.250	7936.87		167.70
83	14:18: 0	167.500	11779.92	1034.02	
84	14:33: 0	167.750	7936.86		167.70
85	14:48: 0	168.000	11779.93	1034.03	
86	15: 3: 0	168.250	7936.91		167.71
87	15:18: 0	168.500	11779.94	1034.04	
88	15:33: 0	168.750	7936.92		167.71
89	15:48: 0	169.000	11779.95	1034.05	
90	16: 3: 0	169.250	7936.90		167.71
91	16:18: 0	169.500	11779.96	1034.06	
92	16:33: 0	169.750	7936.89		167.70
93	16:48: 0	170.000	11779.97	1034.07	
94	17: 3: 0	170.250	7936.92		167.71
95	17:18: 0	170.500	11779.98	1034.08	
96	17:33: 0	170.750	7936.93		167.71
97	17:48: 0	171.000	11779.99	1034.09	
98	18: 3: 0	171.250	7936.95		167.71
99	18:18: 0	171.500	11780.01	1034.10	
100	18:33: 0	171.750	7936.96		167.71

DATE: 11/29/87
GAUGE SN #66585
WELL # 0
TEST # 802

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU

DATA FILE: 9

COMMENTS: BHP @ 6865-7065-7265 Measured
6925-7125-7325 Actual

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	18:48: 0	172.000	11780.02	1034.12	
2	19: 3: 0	172.250	7936.95		167.71
3	19:18: 0	172.500	11780.03	1034.13	
4	19:33: 0	172.750	7936.93		167.71
5	19:48: 0	173.000	11780.03	1034.13	
6	20: 3: 0	173.250	7936.94		167.71
7	20:18: 0	173.500	11780.04	1034.14	
8	20:33: 0	173.750	7936.96		167.71
9	20:48: 0	174.000	11780.06	1034.15	
10	21: 3: 0	174.250	7937.03		167.72
11	21:18: 0	174.500	11780.07	1034.17	
12	21:33: 0	174.750	7937.01		167.71
13	21:48: 0	175.000	11780.08	1034.17	
14	22: 3: 0	175.250	7936.99		167.71
15	22:18: 0	175.500	11780.09	1034.19	
16	22:33: 0	175.750	7936.98		167.71
17	22:48: 0	176.000	11780.10	1034.20	
18	23: 3: 0	176.250	7936.99		167.71
19	23:18: 0	176.500	11780.12	1034.21	
20	23:33: 0	176.750	7937.01		167.71
21	23:48: 0	177.000	11780.12	1034.22	
22	0: 3: 0	177.250	7937.04		167.72
23	0:18: 0	177.500	11780.14	1034.23	
24	0:33: 0	177.750	7937.07		167.72
25	0:48: 0	178.000	11780.13	1034.22	
26	1: 3: 0	178.250	7936.99		167.71
27	1:18: 0	178.500	11780.14	1034.23	
28	1:33: 0	178.750	7937.01		167.71
29	1:48: 0	179.000	11780.15	1034.24	
30	2: 3: 0	179.250	7937.06		167.72
31	2:18: 0	179.500	11780.16	1034.25	
32	2:33: 0	179.750	7937.04		167.72
33	2:48: 0	180.000	11780.17	1034.27	
34	3: 3: 0	180.250	7937.06		167.72
35	3:18: 0	180.500	11780.18	1034.27	
36	3:33: 0	180.750	7937.02		167.72
37	3:48: 0	181.000	11780.20	1034.29	
38	4: 3: 0	181.250	7937.04		167.72
39	4:18: 0	181.500	11780.21	1034.30	
40	4:33: 0	181.750	7937.03		167.72
41	4:48: 0	182.000	11780.22	1034.31	
42	5: 3: 0	182.250	7937.07		167.72
43	5:18: 0	182.500	11780.22	1034.31	
44	5:33: 0	182.750	7937.02		167.72
45	5:48: 0	183.000	11780.23	1034.32	
46	6: 3: 0	183.250	7937.07		167.72
47	6:18: 0	183.500	11780.25	1034.33	
48	6:33: 0	183.750	7937.10		167.72
49	6:48: 0	184.000	11780.26	1034.35	
50	7: 3: 0	184.250	7937.10		167.72

DATE: 11/30/87
GAUGE SN #69685
WELL # 0
TEST # 802

COMPANY: BMG
CLIENT:
WELL NAME: E-6
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 6865-7065-7265 Measured
6925-7125-7325 Actual

DATA FILE: 9

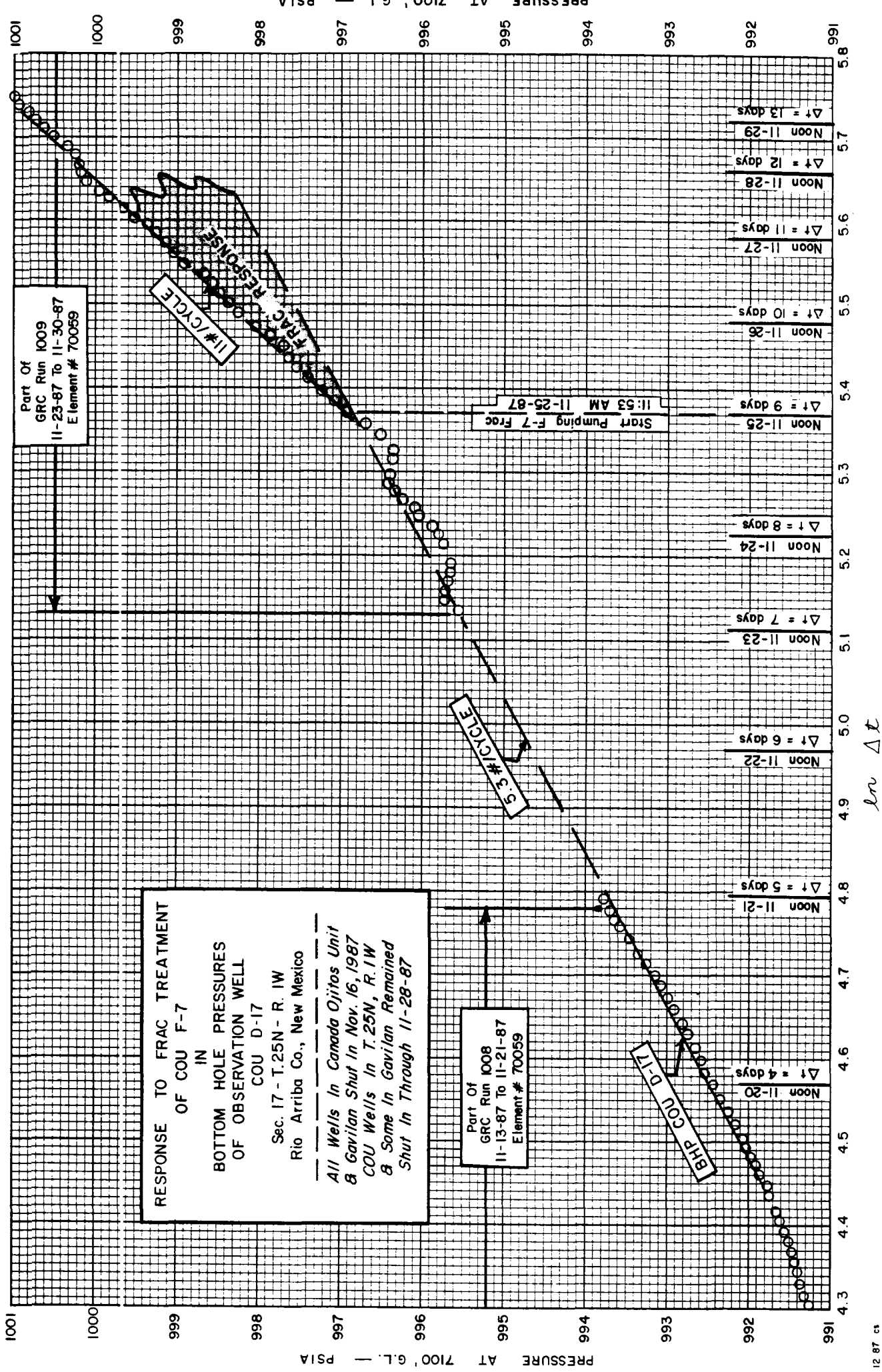
DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	7:18:0	184.500	11780.27	1034.36	
52	7:33:0	184.750	7937.14		167.73
53	7:48:0	185.000	11780.27	1034.36	
54	8:03:0	185.250	7937.13		167.72
55	8:18:0	185.500	11780.28	1034.37	
56	8:33:0	185.750	7937.13		167.72
57	8:48:0	186.000	11780.30	1034.39	
58	9:03:36	186.250	7937.14		167.73
59	9:19:12	186.500	11780.31	1034.40	
60	9:34:48	186.750	7937.09		167.72
61	9:50:24	187.000	11780.32	1034.40	
62	10:06:0	187.250	7937.13		167.72
63	10:21:36	187.500	11780.33	1034.41	
64	10:37:12	187.750	7937.14		167.72
65	10:52:48	188.000	11780.34	1034.43	
66	11:08:24	188.250	7937.15		167.73
67	11:24:0	188.500	11780.35	1034.44	
68	11:39:36	188.750	7937.10		167.72
69	11:55:12	189.000	11780.36	1034.45	
70	12:10:48	189.250	7937.16		167.73
71	12:26:24	189.500	11780.37	1034.45	
72	12:42:0	189.750	7937.20		167.73
73	12:57:36	190.000	11780.38	1034.46	
74	13:13:12	190.250	7937.19		167.73
75	13:28:48	190.500	11780.39	1034.47	
76	13:44:24	190.750	7937.17		167.73
77	14:00:0	191.000	11780.40	1034.48	
78	14:15:36	191.250	7937.18		167.73
79	14:31:12	191.500	11780.41	1034.49	
80	14:46:48	191.750	7937.19		167.73
81	15:02:24	192.000	11780.41	1034.50	

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EVIDENCE OF COMMUNICATION
CANADA OJITOS UNIT F-7 FRAC TREATMENT
NOVEMBER 25, 1987

As set out in the previous section, communication from the COU F-7 frac treatment of November 25, 1987 was observed in all three observation wells, COU J-6, COU E-6 and COU D-17. Data for the D-17 observation well are in this Section I.

Also as noted with respect to the data for the J-6 and E-6 wells, all wells in Township 25 North, Range 1 West were shut in for this test.



ln Δt

CANADA OJITOS UNIT D-17
RESPONSE TO FRAC TREATMENT
OF CANADA OJITOS UNIT F-7
NOVEMBER 25, 1987 (START PUMPING 11:53 AM)

All wells in West Puerto Chiquito and Gavilan shut in November 16, 1987 for Oil Conservation Division pressure surveys. All Canada Ojitos Unit wells in Township 25 North, Range 1 West remained shut in until November 29. Also a substantial number of the Gavilan wells were shut in through this period. 12:00 noon November 16 is used as the initial point for determining Δt shut in time in the following schedule. Information from two pressure surveys is included in the data (GRC Run 1008, Element No. 70059, from November 13 to November 21 and GRC Run 1009, Element No. 70059, from November 23 to November 29).

Δt shut in time for Run 1008 is bomb time minus 74.5 hours.
 Δt shut in time for Run 1009 is bomb time plus 146 hours.

<u>Bomb Run</u>	<u>Date</u>	<u>Time</u>	<u>Pressure</u> (Psia)	<u>Bomb Time</u> (Hours)	<u>Δt Shut in Time</u> (Hours)	<u>$\ln \Delta t$</u> (7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1008	11-19	11:46	991.18	146.5	72.0	4.277
			991.23	147.5	73.0	4.290
			991.26	148.5	74.0	4.304
			991.31	149.5	75.0	4.317
			991.36	150.5	76.0	4.331
			991.40	151.5	77.0	4.344
			991.45	152.5	78.0	4.357
			991.49	153.5	79.0	4.369
			991.53	154.5	80.0	4.382
			991.58	155.5	81.0	4.394
			991.63	156.5	82.0	4.407
			991.67	157.5	83.0	4.419
	11-20	00:16	991.74	159.0	84.5	4.437
			991.79	160.0	85.5	4.449
			991.85	161.0	86.5	4.460
			991.90	162.0	87.5	4.472
			991.97	163.0	88.5	4.483

CANADA QUITOS UNIT D-17
RESPONSE TO FRAC TREATMENT
OF CANADA QUITOS UNIT F-7

PAGE 2

<u>Bomb Run</u> (1)	<u>Date</u> (2)	<u>Time</u> (3)	<u>Pressure</u> (Psia) (4)	<u>Bomb Time</u> (Hours) (5)	<u>Δ t</u> Shut in Time (Hours) (6)	<u>ln Δ t</u> (7)
1008	11-20		992.03	164.0	89.5	4.494
			992.08	165.0	90.5	4.505
			992.17	166.5	92.0	4.522
			992.27	168.0	93.5	4.538
			992.36	169.5	95.0	4.554
			992.44	171.0	96.5	4.570
			992.52	172.5	98.0	4.585
			992.60	174.0	99.5	4.600
			992.67	175.5	101.0	4.615
			992.74	177.0	102.5	4.630
			992.81	178.5	104.0	4.644
			992.90	180.0	105.5	4.659
			992.99	181.5	107.0	4.673
			993.09	183.0	108.5	4.687
			993.18	184.5	110.0	4.700
			993.28	186.0	111.5	4.714
			993.38	187.5	113.0	4.727
1009	11-21-87	00:16	993.48	189.0	114.5	4.741
			993.59	190.5	116.0	4.754
			993.72	192.0	117.5	4.766
			993.80	193.5	119.0	4.779
			993.87	195.0	120.5	4.792
	11-23-87	13:50	995.58	24.0	170.0	5.136
			995.71	26.0	172.0	5.147
			995.71	28.0	174.0	5.159
			995.69	30.0	176.0	5.170
			995.68	32.0	178.0	5.182

CANADA QUITOS UNIT D-17
RESPONSE TO FRAC TREATMENT
OF CANADA QUITOS UNIT F-7

PAGE 3

<u>Bomb Run</u> (1)	<u>Date</u> (2)	<u>Time</u> (3)	<u>Pressure</u> (Psla) (4)	<u>Bomb Time</u> (Hours) (5)	<u>Δ t</u> Shut in Time (Hours) (6)	<u>ln Δ t</u> (7)
1009	11-23 11-24	01:50	995.64	34.0	180.0	5.193
			995.64	36.0	182.0	5.204
			995.74	38.0	184.0	5.215
			995.80	40.0	186.0	5.226
			995.89	42.0	188.0	5.236
			996.04	44.0	190.0	5.247
			996.09	46.0	192.0	5.257
			996.24	48.0	194.0	5.268
			996.35	50.0	196.0	5.278
			996.41	52.0	198.0	5.288
			996.40	54.0	200.0	5.298
			996.38	57.0	203.0	5.313
			996.37	60.0	206.0	5.328
			996.52	63.0	209.0	5.342
			996.70	66.0	212.0	5.357
			996.93	69.0	215.0	5.371
	11-25	01:50	Start frac	70.0	216.0	5.375
			997.08	72.0	218.0	5.384
			997.22	75.0	221.0	5.398
			997.41	78.0	224.0	5.412
			997.54	81.0	227.0	5.425
			997.62	84.0	230.0	5.438
			997.70	87.0	233.0	5.451
			997.85	90.0	236.0	5.464
			998.04	93.0	239.0	5.476
			998.26	96.0	242.0	5.489
			998.38	99.0	245.0	5.501
			998.39	102.0	248.0	5.513
	11-26	01:50				

CANADA OJITOS UNIT D-17
RESPONSE TO FRAC TREATMENT
OF CANADA OJITOS UNIT F-7

PAGE 4

<u>Bomb Run</u> (1)	<u>Date</u> (2)	<u>Time</u> (3)	<u>Pressure</u> (Psia) (4)	<u>Bomb Time</u> (Hours) (5)	<u>Shut in</u> <u>Time</u> (Hours) (6)	<u>ln Δt</u> (7)
1009	11-26		998.58	105.0	251.0	5.525
	11-27	01:50	998.77	108.0	254.0	5.537
			998.92	111.0	257.0	5.549
			999.05	114.0	260.0	5.561
			999.16	117.0	263.0	5.572
			999.27	120.0	266.0	5.583
			999.38	123.0	269.0	5.595
			999.52	126.0	272.0	5.605
			999.65	129.0	275.0	5.617
	11-28	01:50	999.83	132.0	278.0	5.628
			999.99	135.0	281.0	5.638
			1000.12	138.0	284.0	5.649
			1000.19	141.0	287.0	5.659
			1000.19	144.0	290.0	5.669
			1000.24	147.0	293.0	5.680
			1000.37	150.0	296.0	5.690
			1000.51	153.0	299.0	5.700
	11-29	01:50	1000.63	156.0	302.0	5.710
			1000.73	159.0	305.0	5.720
			1000.81	162.0	308.0	5.730
			1000.96	165.0	311.0	5.740
			1001.00	168.0	314.0	5.749

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 #10059
WELL # 0
TEST # 1008

DATA FILE: 1

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	11:49: 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 #'0059
WELL # 0
TEST # 1008

DATA FILE: 2

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MO
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	11.94	
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		52.55
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

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

DATA FILE: 2

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 #'0059
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

DATA FILE: 3

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	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 #0059
WELL # 0
TEST # 1008

DATA FILE: 4

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	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	7727.28		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

DATA FILE: 4

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	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	992.08	
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 #0059
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 #0059
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 #'0059
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	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 # 0059
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 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 # 0059
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
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 #'0059
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	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: 11/23/87
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 # 0059
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
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: 11/2 /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 #10059
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: 10

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	

DATE: 11/22/87
GAUGE SN #10059
WELL # 0
TEST # 1009

DATA FILE: 1

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	14:50: 0	0.000	6666.13		77.35
2	15:50: 0	1.000	12036.47	12.11	
3	16:50: 0	2.000	6538.06		67.10
4	17:50: 0	3.000	12036.33	12.39	
5	18:50: 0	4.000	6348.26		51.94
6	19:50: 0	5.000	12037.36	14.19	
7	20:50: 0	6.000	6379.75		54.45
8	21:50: 0	7.000	12036.06	12.65	
9	22:50: 0	8.000	6423.71		57.96
10	23:50: 0	9.000	12036.02	12.44	
11	0:50: 0	10.000	6432.01		58.62
12	1:50: 0	11.000	12036.00	12.40	
13	2:50: 0	12.000	6422.82		57.89
14	3:50: 0	13.000	12036.08	12.52	
15	4:50: 0	14.000	6421.11		57.75
16	5:50: 0	15.000	12036.09	12.54	
17	6:50: 0	16.000	6552.88		68.28
18	6:53: 0	16.050	6542.90		67.48
19	6:56: 0	16.100	12036.16	12.19	
20	6:59: 0	16.150	6525.50		66.09
21	7: 2: 0	16.200	12035.92	11.99	
22	7: 5: 0	16.250	6516.61		65.38
23	7: 8: 0	16.300	12035.76	11.84	
24	7:11: 0	16.350	6495.13		63.67
25	7:14: 0	16.400	12036.16	12.35	
26	7:17: 0	16.450	6471.88		61.81
27	7:20: 0	16.500	12036.44	12.75	
28	7:23: 0	16.550	6450.10		60.07
29	7:26: 0	16.600	12036.69	13.09	
30	7:29: 0	16.650	6428.40		58.34
31	7:32: 0	16.700	12037.04	13.55	
32	7:35: 0	16.750	6422.15		57.84
33	7:38: 0	16.800	12037.04	13.58	
34	7:41: 0	16.850	6437.39		59.05
35	7:44: 0	16.900	12036.71	13.16	
36	7:47: 0	16.950	6455.62		60.51
37	7:50: 0	17.000	12036.22	12.56	
38	7:53: 0	17.050	6447.72		59.88
39	7:56: 0	17.100	12036.23	12.60	
40	7:59: 0	17.150	6427.27		58.25
41	8: 2: 0	17.200	12036.47	12.93	
42	8: 5: 0	17.250	6414.01		57.19
43	8: 8: 0	17.300	12036.66	13.19	
44	8:11: 0	17.350	6414.27		57.21
45	8:14: 0	17.400	12036.42	12.93	
46	8:17: 0	17.450	6414.23		57.20
47	8:20: 0	17.500	12036.50	13.01	
48	8:23: 0	17.550	6412.17		57.04
49	8:26: 0	17.600	12036.55	13.08	
50	8:29: 0	17.650	6411.65		57.00

DATE: 11/23/87
GAUGE SN #'0059
WELL # 0
TEST # 1009

DATA FILE: 1

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	8:32: 0	17.700	12036.59	13.12	
52	8:35: 0	17.750	6414.91		57.26
53	8:38: 0	17.800	12036.58	13.10	
54	8:41: 0	17.850	6418.79		57.57
55	8:44: 0	17.900	12036.34	12.82	
56	8:47: 0	17.950	6402.92		56.30
57	8:50: 0	18.000	12036.48	13.03	
58	8:53: 0	18.050	6373.67		53.97
59	8:56: 0	18.100	12036.87	13.56	
60	8:59: 0	18.150	6363.63		53.17
61	9: 2: 0	18.200	12036.89	13.62	
62	9: 5: 0	18.250	6358.87		52.79
63	9: 8: 0	18.300	12036.90	13.64	
64	9:11: 0	18.350	6354.43		52.43
65	9:14: 0	18.400	12036.89	13.64	
66	9:17: 0	18.450	6351.06		52.16
67	9:20: 0	18.500	12036.91	13.68	
68	9:23: 0	18.550	6349.10		52.01
69	9:26: 0	18.600	12036.90	13.67	
70	9:29: 0	18.650	6347.70		51.90
71	9:32: 0	18.700	12036.90	13.68	
72	9:35: 0	18.750	6346.75		51.82
73	9:38: 0	18.800	12036.89	13.68	
74	9:41: 0	18.850	6348.02		51.92
75	9:44: 0	18.900	12037.01	13.80	
76	9:47: 0	18.950	6359.18		52.81
77	9:50: 0	19.000	12036.82	13.56	
78	9:53: 0	19.050	6358.71		52.77
79	9:56: 0	19.100	12036.80	13.53	
80	9:59: 0	19.150	6358.81		52.78
81	10: 2: 0	19.200	12036.80	13.54	
82	10: 5: 0	19.250	6358.77		52.78
83	10: 8: 0	19.300	12036.83	13.57	
84	10:11: 0	19.350	6362.47		53.07
85	10:14: 0	19.400	12036.77	13.49	
86	10:17: 0	19.450	6366.34		53.38
87	10:20: 0	19.500	12036.72	13.42	
88	10:23: 0	19.550	6369.31		53.62
89	10:26: 0	19.600	12036.71	13.40	
90	10:29: 0	19.650	6373.61		53.96
91	10:32: 0	19.700	12036.67	13.34	
92	10:35: 0	19.750	6377.89		54.30
93	10:38: 0	19.800	12036.57	13.22	
94	10:41: 0	19.850	6378.18		54.33
95	10:44: 0	19.900	12036.55	13.19	
96	10:47: 0	19.950	6374.69		54.05
97	10:50: 0	20.000	12036.61	13.27	
98	10:53: 0	20.050	6370.74		53.73
99	10:56: 0	20.100	12036.62	13.30	
100	10:59: 0	20.150	6363.84		53.18

DATE: 11/23/87
GAUGE SN #70059
WELL # 0
TEST # 1009

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL

DATA FILE: 2

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	11: 2: 0	20.200	12036.60	13.30	
2	11: 5: 0	20.250	6356.22		52.58
3	11: 8: 0	20.300	12036.67	13.40	
4	11:11: 0	20.350	6349.11		52.01
5	11:14: 0	20.400	12036.71	13.47	
6	11:17: 0	20.450	6343.79		51.58
7	11:20: 0	20.500	12036.82	13.61	
8	11:23: 0	20.550	6347.27		51.86
9	11:26: 0	20.600	12036.99	13.78	
10	11:29: 0	20.650	6358.94		52.79
11	11:32: 0	20.700	12036.77	13.51	
12	11:35: 0	20.750	6370.18		53.69
13	11:38: 0	20.800	12037.08	13.80	
14	11:41: 0	20.850	6416.36		57.37
15	11:44: 0	20.900	12036.82	13.36	
16	11:47: 0	20.950	6455.38		60.49
17	11:50: 0	21.000	12036.62	13.00	
18	11:53: 0	21.050	6473.06		61.90
19	11:56: 0	21.100	12036.07	12.34	
20	11:59: 0	21.150	6455.79		60.52
21	12: 2: 0	21.200	12036.23	12.57	
22	12: 5: 0	21.250	6444.57		59.63
23	12: 8: 0	21.300	12036.28	12.67	
24	12:11: 0	21.350	6436.29		58.97
25	12:14: 0	21.400	12036.36	12.78	
26	12:17: 0	21.450	6410.59		56.91
27	12:20: 0	21.500	12036.05	12.53	
28	12:23: 0	21.550	6409.51		56.83
29	12:26: 0	21.600	12695.57	820.17	
30	12:29: 0	21.650	6431.57		58.59
31	12:32: 0	21.700	12694.97	819.24	
32	12:35: 0	21.750	6415.57		57.31
33	12:38: 0	21.800	12695.08	819.48	
34	12:41: 0	21.850	6394.65		55.64
35	12:44: 0	21.900	12697.34	822.62	
36	12:47: 0	21.950	6376.45		54.19
37	12:50: 0	22.000	12721.25	854.90	
38	12:53: 0	22.050	6586.52		70.97
39	12:56: 0	22.100	12754.94	899.38	
40	12:59: 0	22.150	6932.18		98.69
41	13: 2: 0	22.200	12786.61	940.68	
42	13: 5: 0	22.250	7263.59		125.39
43	13: 8: 0	22.300	12812.18	973.35	
44	13:11: 0	22.350	7567.65		149.98
45	13:14: 0	22.400	12830.90	996.84	
46	13:17: 0	22.450	7709.25		161.47
47	13:20: 0	22.500	12830.17	995.19	
48	13:23: 0	22.550	7716.19		162.03
49	13:26: 0	22.600	12830.30	995.32	
50	13:29: 0	22.650	7719.49		162.30

DATE: 11/23/87
GAUGE SN #10059
WELL # 0
TEST # 1009

DATA FILE: 2

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	13:32: 0	22.700	12830.37	995.42	
52	13:35: 0	22.750	7721.28		162.44
53	13:38: 0	22.800	12830.43	995.49	
54	13:41: 0	22.850	7722.52		162.54
55	13:44: 0	22.900	12830.47	995.53	
56	13:47: 0	22.950	7723.51		162.62
57	13:50: 0	23.000	12830.50	995.58	
58	13:53: 0	23.050	7724.11		162.67
59	13:56: 0	23.100	12830.52	995.60	
60	13:59: 0	23.150	7724.65		162.72
61	14: 2: 0	23.200	12830.55	995.63	
62	14: 5: 0	23.250	7725.09		162.75
63	14: 8: 0	23.300	12830.54	995.62	
64	14:11: 0	23.350	7725.45		162.78
65	14:14: 0	23.400	12830.55	995.64	
66	14:17: 0	23.450	7725.75		162.80
67	14:20: 0	23.500	12830.56	995.64	
68	14:23: 0	23.550	7725.97		162.82
69	14:26: 0	23.600	12830.57	995.67	
70	14:29: 0	23.650	7726.19		162.84
71	14:32: 0	23.700	12830.58	995.67	
72	14:35: 0	23.750	7726.36		162.85
73	14:38: 0	23.800	12830.59	995.68	
74	14:41: 0	23.850	7726.55		162.87
75	14:44: 0	23.900	12830.59	995.69	
76	14:47: 0	23.950	7726.65		162.88
77	14:50: 0	24.000	12830.59	995.68	
78	14:53: 0	24.050	7726.78		162.89
79	14:56: 0	24.100	12830.60	995.69	
80	14:59: 0	24.150	7726.78		162.89
81	15: 2: 0	24.200	12830.60	995.69	
82	15: 5: 0	24.250	7726.84		162.89
83	15: 8: 0	24.300	12830.60	995.69	
84	15:11: 0	24.350	7726.91		162.90
85	15:14: 0	24.400	12830.60	995.70	
86	15:17: 0	24.450	7726.99		162.91
87	15:20: 0	24.500	12830.60	995.69	
88	15:23: 0	24.550	7727.01		162.91
89	15:26: 0	24.600	12830.61	995.71	
90	15:29: 0	24.650	7727.05		162.91
91	15:32: 0	24.700	12830.61	995.71	
92	15:35: 0	24.750	7727.10		162.92
93	15:38: 0	24.800	12830.60	995.70	
94	15:41: 0	24.850	7727.19		162.92
95	15:44: 0	24.900	12830.61	995.71	
96	15:47: 0	24.950	7727.20		162.92
97	15:50: 0	25.000	12830.61	995.71	
98	15:53: 0	25.050	7727.27		162.93
99	15:56: 0	25.100	12830.61	995.71	
100	15:59: 0	25.150	7727.30		162.93

DATE: 11/23/87
GAUGE SN #70059
WELL # 0
TEST # 1009

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL

DATA FILE: 3

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	16: 2: 0	25.200	12830.60	995.70	
2	16: 5: 0	25.250	7727.27		162.93
3	16: 8: 0	25.300	12830.60	995.70	
4	16:11: 0	25.350	7727.33		162.93
5	16:14: 0	25.400	12830.61	995.71	
6	16:17: 0	25.450	7727.33		162.93
7	16:20: 0	25.500	12830.61	995.71	
8	16:23: 0	25.550	7727.27		162.93
9	16:26: 0	25.600	12830.61	995.71	
10	16:29: 0	25.650	7727.31		162.93
11	16:32: 0	25.700	12830.61	995.71	
12	16:35: 0	25.750	7727.33		162.93
13	16:38: 0	25.800	12830.61	995.71	
14	16:41: 0	25.850	7727.33		162.93
15	16:44: 0	25.900	12830.60	995.69	
16	16:47: 0	25.950	7727.36		162.94
17	16:50: 0	26.000	12830.60	995.70	
18	17: 5: 0	26.250	7727.33		162.93
19	17:20: 0	26.500	12830.61	995.71	
20	17:35: 0	26.750	7727.33		162.93
21	17:50: 0	27.000	12830.61	995.71	
22	18: 5: 0	27.250	7727.35		162.94
23	18:20: 0	27.500	12830.61	995.71	
24	18:35: 0	27.750	7727.33		162.93
25	18:50: 0	28.000	12830.60	995.69	
26	19: 5: 0	28.250	7727.39		162.94
27	19:20: 0	28.500	12830.60	995.69	
28	19:35: 0	28.750	7727.38		162.94
29	19:50: 0	29.000	12830.60	995.69	
30	20: 5: 0	29.250	7727.39		162.94
31	20:20: 0	29.500	12830.59	995.68	
32	20:35: 0	29.750	7727.43		162.94
33	20:50: 0	30.000	12830.59	995.67	
34	21: 5: 0	30.250	7727.44		162.94
35	21:20: 0	30.500	12830.60	995.69	
36	21:35: 0	30.750	7727.47		162.94
37	21:50: 0	31.000	12830.59	995.68	
38	22: 5: 0	31.250	7727.50		162.95
39	22:20: 0	31.500	12830.59	995.67	
40	22:35: 0	31.750	7727.52		162.95
41	22:50: 0	32.000	12830.57	995.66	
42	23: 5: 0	32.250	7727.51		162.95
43	23:20: 0	32.500	12830.57	995.65	
44	23:35: 0	32.750	7727.51		162.95
45	23:50: 0	33.000	12830.56	995.64	
46	0: 5: 0	33.250	7727.55		162.95
47	0:20: 0	33.500	12830.55	995.63	
48	0:35: 0	33.750	7727.50		162.95
49	0:50: 0	34.000	12830.55	995.62	
50	1: 5: 0	34.250	7727.53		162.95

DATE: 11/24/87
GAUGE SN #10059
WELL # 0
TEST # 1009

DATA FILE: 3

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	1:20: 0	34.500	12830.55	995.63	
52	1:35: 0	34.750	7727.58		162.95
53	1:50: 0	35.000	12830.56	995.64	
54	2: 5: 0	35.250	7727.61		162.96
55	2:20: 0	35.500	12830.59	995.68	
56	2:35: 0	35.750	7727.61		162.96
57	2:50: 0	36.000	12830.62	995.72	
58	3: 5: 0	36.250	7727.59		162.95
59	3:20: 0	36.500	12830.63	995.74	
60	3:35: 0	36.750	7727.60		162.96
61	3:50: 0	37.000	12830.64	995.74	
62	4: 5: 0	37.250	7727.61		162.96
63	4:20: 0	37.500	12830.65	995.77	
64	4:35: 0	37.750	7727.58		162.95
65	4:50: 0	38.000	12830.67	995.79	
66	5: 5: 0	38.250	7727.57		162.95
67	5:20: 0	38.500	12830.68	995.80	
68	5:35: 0	38.750	7727.57		162.95
69	5:50: 0	39.000	12830.68	995.80	
70	6: 5: 0	39.250	7727.58		162.95
71	6:20: 0	39.500	12830.70	995.83	
72	6:35: 0	39.750	7727.59		162.95
73	6:50: 0	40.000	12830.71	995.85	
74	7: 5: 0	40.250	7727.61		162.96
75	7:20: 0	40.500	12830.73	995.87	
76	7:35: 0	40.750	7727.59		162.95
77	7:50: 0	41.000	12830.74	995.89	
78	8: 5: 0	41.250	7727.62		162.96
79	8:20: 0	41.500	12830.77	995.93	
80	8:35: 0	41.750	7727.59		162.95
81	8:50: 0	42.000	12830.80	995.97	
82	9: 5: 0	42.250	7727.59		162.95
83	9:20: 0	42.500	12830.83	996.01	
84	9:35: 0	42.750	7727.62		162.96
85	9:50: 0	43.000	12830.85	996.04	
86	10: 5: 0	43.250	7727.59		162.95
87	10:20: 0	43.500	12830.84	996.02	
88	10:35: 0	43.750	7727.56		162.95
89	10:50: 0	44.000	12830.82	996.00	
90	11: 5: 0	44.250	7727.62		162.96
91	11:20: 0	44.500	12830.86	996.05	
92	11:35: 0	44.750	7727.61		162.96
93	11:50: 0	45.000	12830.89	996.09	
94	12: 5: 0	45.250	7727.64		162.96
95	12:20: 0	45.500	12830.92	996.14	
96	12:35: 0	45.750	7727.61		162.96
97	12:50: 0	46.000	12830.94	996.17	
98	13: 5: 0	46.250	7727.64		162.96
99	13:20: 0	46.500	12830.97	996.21	
100	13:35: 0	46.750	7727.63		162.96

DATE: 11/24/87
GAUGE SN #70059
WELL # 0
TEST # 1009

DATA FILE: 4

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	13:50: 0	47.000	12831.00	996.24	
2	14: 5: 0	47.250	7727.57		162.95
3	14:20: 0	47.500	12831.02	996.28	
4	14:35: 0	47.750	7727.60		162.96
5	14:50: 0	48.000	12831.03	996.29	
6	15: 5: 0	48.250	7727.59		162.95
7	15:20: 0	48.500	12831.05	996.32	
8	15:35: 0	48.750	7727.61		162.96
9	15:50: 0	49.000	12831.08	996.35	
10	16: 5: 0	49.250	7727.55		162.95
11	16:20: 0	49.500	12831.09	996.37	
12	16:35: 0	49.750	7727.58		162.95
13	16:50: 0	50.000	12831.09	996.38	
14	17: 5: 0	50.250	7727.56		162.95
15	17:20: 0	50.500	12831.11	996.40	
16	17:35: 0	50.750	7727.58		162.95
17	17:50: 0	51.000	12831.12	996.41	
18	18: 5: 0	51.250	7727.60		162.96
19	18:20: 0	51.500	12831.13	996.42	
20	18:35: 0	51.750	7727.59		162.95
21	18:50: 0	52.000	12831.13	996.42	
22	19: 5: 0	52.250	7727.56		162.95
23	19:20: 0	52.500	12831.12	996.41	
24	19:35: 0	52.750	7727.65		162.96
25	19:50: 0	53.000	12831.11	996.40	
26	20: 5: 0	53.250	7727.65		162.96
27	20:20: 0	53.500	12831.11	996.39	
28	20:35: 0	53.750	7727.62		162.96
29	20:50: 0	54.000	12831.10	996.38	
30	21: 5: 0	54.250	7727.62		162.96
31	21:20: 0	54.500	12831.09	996.38	
32	21:35: 0	54.750	7727.66		162.96
33	21:50: 0	55.000	12831.09	996.38	
34	22: 5: 0	55.250	7727.72		162.97
35	22:20: 0	55.500	12831.09	996.37	
36	22:35: 0	55.750	7727.68		162.96
37	22:50: 0	56.000	12831.09	996.38	
38	23: 5: 0	56.250	7727.73		162.97
39	23:20: 0	56.500	12831.09	996.37	
40	23:35: 0	56.750	7727.73		162.97
41	23:50: 0	57.000	12831.09	996.37	
42	0: 5: 0	57.250	7727.73		162.97
43	0:20: 0	57.500	12831.08	996.36	
44	0:35: 0	57.750	7727.74		162.97
45	0:50: 0	58.000	12831.08	996.36	
46	1: 5: 0	58.250	7727.74		162.97
47	1:20: 0	58.500	12831.08	996.36	
48	1:35: 0	58.750	7727.76		162.97
49	1:50: 0	59.000	12831.09	996.37	
50	2: 5: 0	59.250	7727.78		162.97

DATE: 11/25/87
GAUGE SN # 0059
WELL # 0
TEST # 1009

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' 6L

DATA FILE: 4

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	2:20: 0	59.500	12831.11	996.40	
52	2:35: 0	59.750	7727.79		162.97
53	2:50: 0	60.000	12831.13	996.43	
54	3: 5: 0	60.250	7727.76		162.97
55	3:20: 0	60.500	12831.15	996.45	
56	3:35: 0	60.750	7727.76		162.97
57	3:50: 0	61.000	12831.17	996.47	
58	4: 5: 0	61.250	7727.77		162.97
59	4:20: 0	61.500	12831.18	996.49	
60	4:35: 0	61.750	7727.76		162.97
61	4:50: 0	62.000	12831.20	996.52	
62	5: 5: 0	62.250	7727.75		162.97
63	5:20: 0	62.500	12831.22	996.54	
64	5:35: 0	62.750	7727.78		162.97
65	5:50: 0	63.000	12831.24	996.58	
66	6: 5: 0	63.250	7727.75		162.97
67	6:20: 0	63.500	12831.26	996.60	
68	6:35: 0	63.750	7727.78		162.97
69	6:50: 0	64.000	12831.28	996.63	
70	7: 5: 0	64.250	7727.77		162.97
71	7:20: 0	64.500	12831.29	996.64	
72	7:35: 0	64.750	7727.76		162.97
73	7:50: 0	65.000	12831.33	996.70	
74	8: 5: 0	65.250	7727.74		162.97
75	8:20: 0	65.500	12831.36	996.74	
76	8:35: 0	65.750	7727.76		162.97
77	8:50: 0	66.000	12831.40	996.80	
78	9: 5: 0	66.250	7727.72		162.96
79	9:20: 0	66.500	12831.43	996.84	
80	9:35: 0	66.750	7727.77		162.97
81	9:50: 0	67.000	12831.45	996.87	
82	10: 5: 0	67.250	7727.74		162.97
83	10:20: 0	67.500	12831.47	996.90	
84	10:35: 0	67.750	7727.72		162.97
85	10:50: 0	68.000	12831.50	996.93	
86	11: 5: 0	68.250	7727.75		162.97
87	11:20: 0	68.500	12831.52	996.96	
88	11:35: 0	68.750	7727.71		162.96
89	11:50: 0	69.000	12831.55	997.00	
90	12: 5: 0	69.250	7727.71		162.96
91	12:20: 0	69.500	12831.56	997.02	
92	12:35: 0	69.750	7727.76		162.97
93	12:50: 0	70.000	12831.57	997.03	
94	13: 5: 0	70.250	7727.71		162.96
95	13:20: 0	70.500	12831.57	997.04	
96	13:35: 0	70.750	7727.75		162.97
97	13:50: 0	71.000	12831.60	997.08	
98	14: 5: 0	71.250	7727.73		162.97
99	14:20: 0	71.500	12831.62	997.10	
100	14:35: 0	71.750	7727.68		162.96

DATE: 11/26/87
GAUGE SN #0059
WELL # 0
TEST # 1009

DATA FILE: S

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	14:50: 0	72.000	12831.65	997.14	
2	15: 5: 0	72.250	7727.68		162.96
3	15:20: 0	72.500	12831.65	997.14	
4	15:35: 0	72.750	7727.71		162.96
5	15:50: 0	73.000	12831.66	997.16	
6	16: 5: 0	73.250	7727.71		162.96
7	16:20: 0	73.500	12831.69	997.19	
8	16:35: 0	73.750	7727.73		162.97
9	16:50: 0	74.000	12831.71	997.22	
10	17: 5: 0	74.250	7727.66		162.96
11	17:20: 0	74.500	12831.74	997.26	
12	17:35: 0	74.750	7727.68		162.96
13	17:50: 0	75.000	12831.76	997.29	
14	18: 5: 0	75.250	7727.68		162.96
15	18:20: 0	75.500	12831.77	997.32	
16	18:35: 0	75.750	7727.69		162.96
17	18:50: 0	76.000	12831.80	997.35	
18	19: 5: 0	76.250	7727.68		162.96
19	19:20: 0	76.500	12831.82	997.39	
20	19:35: 0	76.750	7727.73		162.97
21	19:50: 0	77.000	12831.84	997.41	
22	20: 5: 0	77.250	7727.71		162.96
23	20:20: 0	77.500	12831.87	997.45	
24	20:35: 0	77.750	7727.72		162.97
25	20:50: 0	78.000	12831.88	997.46	
26	21: 5: 0	78.250	7727.73		162.97
27	21:20: 0	78.500	12831.89	997.48	
28	21:35: 0	78.750	7727.73		162.97
29	21:50: 0	79.000	12831.91	997.50	
30	22: 5: 0	79.250	7727.73		162.97
31	22:20: 0	79.500	12831.93	997.53	
32	22:35: 0	79.750	7727.69		162.96
33	22:50: 0	80.000	12831.94	997.54	
34	23: 5: 0	80.250	7727.73		162.97
35	23:20: 0	80.500	12831.94	997.55	
36	23:35: 0	80.750	7727.74		162.97
37	23:50: 0	81.000	12831.95	997.56	
38	0: 5: 0	81.250	7727.74		162.97
39	0:20: 0	81.500	12831.97	997.59	
40	0:35: 0	81.750	7727.71		162.96
41	0:50: 0	82.000	12831.99	997.61	
42	1: 5: 0	82.250	7727.70		162.96
43	1:20: 0	82.500	12831.99	997.62	
44	1:35: 0	82.750	7727.70		162.96
45	1:50: 0	83.000	12832.00	997.62	
46	2: 5: 0	83.250	7727.71		162.96
47	2:20: 0	83.500	12832.01	997.64	
48	2:35: 0	83.750	7727.71		162.96
49	2:50: 0	84.000	12832.02	997.66	
50	3: 5: 0	84.250	7727.73		162.97

DATE: 11/26/87
GAUGE SN #'0059
WELL # 0
TEST # 1009

DATA FILE: 5

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	3:20: 0	84.500	12832.03	997.67	
52	3:35: 0	84.750	7727.73		162.97
53	3:50: 0	85.000	12832.04	997.69	
54	4: 5: 0	85.250	7727.72		162.96
55	4:20: 0	85.500	12832.04	997.68	
56	4:35: 0	85.750	7727.68		162.96
57	4:50: 0	86.000	12832.05	997.70	
58	5: 5: 0	86.250	7727.73		162.97
59	5:20: 0	86.500	12832.06	997.72	
60	5:35: 0	86.750	7727.73		162.97
61	5:50: 0	87.000	12832.08	997.73	
62	6: 5: 0	87.250	7727.71		162.96
63	6:20: 0	87.500	12832.10	997.76	
64	6:35: 0	87.750	7727.68		162.96
65	6:50: 0	88.000	12832.12	997.79	
66	7: 5: 0	88.250	7727.72		162.97
67	7:20: 0	88.500	12832.14	997.82	
68	7:35: 0	88.750	7727.71		162.96
69	7:50: 0	89.000	12832.16	997.85	
70	8: 5: 0	89.250	7727.71		162.96
71	8:20: 0	89.500	12832.19	997.89	
72	8:35: 0	89.750	7727.67		162.96
73	8:50: 0	90.000	12832.22	997.93	
74	9: 5: 0	90.250	7727.67		162.96
75	9:20: 0	90.500	12832.24	997.96	
76	9:35: 0	90.750	7727.67		162.96
77	9:50: 0	91.000	12832.28	998.01	
78	10: 5: 0	91.250	7727.68		162.96
79	10:20: 0	91.500	12832.28	998.01	
80	10:35: 0	91.750	7727.66		162.96
81	10:50: 0	92.000	12832.30	998.04	
82	11: 5: 0	92.250	7727.63		162.96
83	11:20: 0	92.500	12832.34	998.10	
84	11:35: 0	92.750	7727.71		162.96
85	11:50: 0	93.000	12832.36	998.13	
86	12: 5: 0	93.250	7727.70		162.96
87	12:20: 0	93.500	12832.39	998.16	
88	12:35: 0	93.750	7727.66		162.96
89	12:50: 0	94.000	12832.39	998.17	
90	13: 5: 0	94.250	7727.67		162.96
91	13:20: 0	94.500	12832.42	998.21	
92	13:35: 0	94.750	7727.67		162.96
93	13:50: 0	95.000	12832.46	998.26	
94	14: 5: 0	95.250	7727.67		162.96
95	14:20: 0	95.500	12832.47	998.28	
96	14:35: 0	95.750	7727.64		162.96
97	14:50: 0	96.000	12832.49	998.31	
98	15: 5: 0	96.250	7727.63		162.96
99	15:20: 0	96.500	12832.51	998.33	
100	15:35: 0	96.750	7727.68		162.96

DATE: 11/26/87
GAUGE SN #70059
WELL # 0
TEST # 1009

DATA FILE: 6

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	15:50: 0	97.000	12832.52	998.35	
2	16: 5: 0	97.250	7727.66		162.96
3	16:20: 0	97.500	12832.54	998.37	
4	16:35: 0	97.750	7727.70		162.96
5	16:50: 0	98.000	12832.54	998.38	
6	17: 5: 0	98.250	7727.65		162.96
7	17:20: 0	98.500	12832.55	998.39	
8	17:35: 0	98.750	7727.67		162.96
9	17:50: 0	99.000	12832.53	998.36	
10	18: 5: 0	99.250	7727.64		162.96
11	18:20: 0	99.500	12832.53	998.36	
12	18:35: 0	99.750	7727.63		162.96
13	18:50: 0	100.000	12832.51	998.33	
14	19: 5: 0	100.250	7727.63		162.96
15	19:20: 0	100.500	12832.52	998.35	
16	19:35: 0	100.750	7727.67		162.96
17	19:50: 0	101.000	12832.55	998.39	
18	20: 5: 0	101.250	7727.70		162.96
19	20:20: 0	101.500	12832.57	998.42	
20	20:35: 0	101.750	7727.68		162.96
21	20:50: 0	102.000	12832.59	998.45	
22	21: 5: 0	102.250	7727.68		162.96
23	21:20: 0	102.500	12832.63	998.50	
24	21:35: 0	102.750	7727.67		162.96
25	21:50: 0	103.000	12832.63	998.50	
26	22: 5: 0	103.250	7727.64		162.96
27	22:20: 0	103.500	12832.66	998.53	
28	22:35: 0	103.750	7727.70		162.96
29	22:50: 0	104.000	12832.69	998.58	
30	23: 5: 0	104.250	7727.69		162.96
31	23:20: 0	104.500	12832.72	998.62	
32	23:35: 0	104.750	7727.71		162.96
33	23:50: 0	105.000	12832.73	998.64	
34	0: 5: 0	105.250	7727.67		162.96
35	0:20: 0	105.500	12832.76	998.67	
36	0:35: 0	105.750	7727.64		162.96
37	0:50: 0	106.000	12832.78	998.71	
38	1: 5: 0	106.250	7727.63		162.96
39	1:20: 0	106.500	12832.81	998.74	
40	1:35: 0	106.750	7727.65		162.96
41	1:50: 0	107.000	12832.82	998.77	
42	2: 5: 0	107.250	7727.64		162.96
43	2:20: 0	107.500	12832.85	998.80	
44	2:35: 0	107.750	7727.68		162.96
45	2:50: 0	108.000	12832.87	998.83	
46	3: 5: 0	108.250	7727.68		162.96
47	3:20: 0	108.500	12832.88	998.84	
48	3:35: 0	108.750	7727.65		162.96
49	3:50: 0	109.000	12832.90	998.87	
50	4: 5: 0	109.250	7727.66		162.96

DATE: 11/27/87
GAUGE SN #10059
WELL # 0
TEST # 1009

DATA FILE: 6

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	4:20: 0	109.500	12832.92	998.90	
52	4:35: 0	109.750	7727.66		162.96
53	4:50: 0	110.000	12832.94	998.92	
54	5: 5: 0	110.250	7727.68		162.96
55	5:20: 0	110.500	12832.95	998.94	
56	5:35: 0	110.750	7727.64		162.96
57	5:50: 0	111.000	12832.96	998.95	
58	6: 5: 0	111.250	7727.66		162.96
59	6:20: 0	111.500	12832.99	998.99	
60	6:35: 0	111.750	7727.63		162.96
61	6:50: 0	112.000	12833.00	999.01	
62	7: 5: 0	112.250	7727.62		162.96
63	7:20: 0	112.500	12833.02	999.04	
64	7:35: 0	112.750	7727.63		162.96
65	7:50: 0	113.000	12833.03	999.05	
66	8: 5: 0	113.250	7727.61		162.96
67	8:20: 0	113.500	12833.05	999.08	
68	8:35: 0	113.750	7727.62		162.96
69	8:50: 0	114.000	12833.06	999.10	
70	9: 5: 0	114.250	7727.60		162.96
71	9:20: 0	114.500	12833.10	999.14	
72	9:35: 0	114.750	7727.57		162.95
73	9:50: 0	115.000	12833.11	999.17	
74	10: 5: 0	115.250	7727.58		162.95
75	10:20: 0	115.500	12833.10	999.14	
76	10:35: 0	115.750	7727.57		162.95
77	10:50: 0	116.000	12833.11	999.16	
78	11: 5: 0	116.250	7727.61		162.96
79	11:20: 0	116.500	12833.13	999.18	
80	11:35: 0	116.750	7727.59		162.95
81	11:50: 0	117.000	12833.13	999.19	
82	12: 5: 0	117.250	7727.59		162.95
83	12:20: 0	117.500	12833.15	999.22	
84	12:35: 0	117.750	7727.58		162.95
85	12:50: 0	118.000	12833.17	999.25	
86	13: 5: 0	118.250	7727.58		162.95
87	13:20: 0	118.500	12833.18	999.26	
88	13:35: 0	118.750	7727.56		162.95
89	13:50: 0	119.000	12833.19	999.27	
90	14: 5: 0	119.250	7727.54		162.95
91	14:20: 0	119.500	12833.20	999.29	
92	14:35: 0	119.750	7727.57		162.95
93	14:50: 0	120.000	12833.22	999.31	
94	15: 5: 0	120.250	7727.56		162.95
95	15:20: 0	120.500	12833.23	999.33	
96	15:35: 0	120.750	7727.54		162.95
97	15:50: 0	121.000	12833.24	999.34	
98	16: 5: 0	121.250	7727.53		162.95
99	16:20: 0	121.500	12833.25	999.35	
100	16:35: 0	121.750	7727.54		162.95

DATE: 11/27/87
GAUGE SN #70059
WELL # 0
TEST # 1009

DATA FILE: 7

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	16:50: 0	122.000	12833.26	999.38	
2	17: 5: 0	122.250	7727.54		162.95
3	17:20: 0	122.500	12833.28	999.40	
4	17:35: 0	122.750	7727.51		162.95
5	17:50: 0	123.000	12833.30	999.42	
6	18: 5: 0	123.250	7727.53		162.95
7	18:20: 0	123.500	12833.31	999.45	
8	18:35: 0	123.750	7727.57		162.95
9	18:50: 0	124.000	12833.33	999.47	
10	19: 5: 0	124.250	7727.55		162.95
11	19:20: 0	124.500	12833.35	999.49	
12	19:35: 0	124.750	7727.54		162.95
13	19:50: 0	125.000	12833.37	999.52	
14	20: 5: 0	125.250	7727.54		162.95
15	20:20: 0	125.500	12833.39	999.55	
16	20:35: 0	125.750	7727.56		162.95
17	20:50: 0	126.000	12833.41	999.58	
18	21: 5: 0	126.250	7727.57		162.95
19	21:20: 0	126.500	12833.43	999.60	
20	21:35: 0	126.750	7727.59		162.95
21	21:50: 0	127.000	12833.44	999.62	
22	22: 5: 0	127.250	7727.56		162.95
23	22:20: 0	127.500	12833.46	999.65	
24	22:35: 0	127.750	7727.54		162.95
25	22:50: 0	128.000	12833.47	999.65	
26	23: 5: 0	128.250	7727.57		162.95
27	23:20: 0	128.500	12833.48	999.67	
28	23:35: 0	128.750	7727.57		162.95
29	23:50: 0	129.000	12833.49	999.69	
30	0: 5: 0	129.250	7727.57		162.95
31	0:20: 0	129.500	12833.53	999.74	
32	0:35: 0	129.750	7727.61		162.96
33	0:50: 0	130.000	12833.55	999.77	
34	1: 5: 0	130.250	7727.59		162.95
35	1:20: 0	130.500	12833.57	999.80	
36	1:35: 0	130.750	7727.60		162.96
37	1:50: 0	131.000	12833.59	999.83	
38	2: 5: 0	131.250	7727.58		162.95
39	2:20: 0	131.500	12833.62	999.86	
40	2:35: 0	131.750	7727.56		162.95
41	2:50: 0	132.000	12833.63	999.89	
42	3: 5: 0	132.250	7727.59		162.95
43	3:20: 0	132.500	12833.66	999.92	
44	3:35: 0	132.750	7727.58		162.95
45	3:50: 0	133.000	12833.67	999.93	
46	4: 5: 0	133.250	7727.60		162.96
47	4:20: 0	133.500	12833.68	999.95	
48	4:35: 0	133.750	7727.58		162.95
49	4:50: 0	134.000	12833.71	999.99	
50	5: 5: 0	134.250	7727.58		162.95

DATE: 11/28/87
GAUGE SN #'0059
WELL # 0
TEST # 1008

DATA FILE: 7

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	5:20: 0	134.500	12833.72	1000.01	
52	5:35: 0	134.750	7727.58		162.95
53	5:50: 0	135.000	12833.74	1000.03	
54	6: 5: 0	135.250	7727.58		162.95
55	6:20: 0	135.500	12833.76	1000.06	
56	6:35: 0	135.750	7727.57		162.95
57	6:50: 0	136.000	12833.77	1000.07	
58	7: 5: 0	136.250	7727.55		162.95
59	7:20: 0	136.500	12833.78	1000.09	
60	7:35: 0	136.750	7727.56		162.95
61	7:50: 0	137.000	12833.80	1000.12	
62	8: 5: 0	137.250	7727.58		162.95
63	8:20: 0	137.500	12833.83	1000.16	
64	8:35: 0	137.750	7727.56		162.95
65	8:50: 0	138.000	12833.85	1000.19	
66	9: 5: 0	138.250	7727.58		162.95
67	9:20: 0	138.500	12833.88	1000.23	
68	9:35: 0	138.750	7727.58		162.95
69	9:50: 0	139.000	12833.90	1000.25	
70	10: 5: 0	139.250	7727.58		162.95
71	10:20: 0	139.500	12833.86	1000.19	
72	10:35: 0	139.750	7727.55		162.95
73	10:50: 0	140.000	12833.85	1000.19	
74	11: 5: 0	140.250	7727.53		162.95
75	11:20: 0	140.500	12833.84	1000.17	
76	11:35: 0	140.750	7727.59		162.95
77	11:50: 0	141.000	12833.84	1000.17	
78	12: 5: 0	141.250	7727.55		162.95
79	12:20: 0	141.500	12833.84	1000.17	
80	12:35: 0	141.750	7727.61		162.96
81	12:50: 0	142.000	12833.84	1000.18	
82	13: 5: 0	142.250	7727.61		162.96
83	13:20: 0	142.500	12833.85	1000.19	
84	13:35: 0	142.750	7727.57		162.95
85	13:50: 0	143.000	12833.86	1000.19	
86	14: 5: 0	143.250	7727.59		162.95
87	14:20: 0	143.500	12833.86	1000.20	
88	14:35: 0	143.750	7727.61		162.96
89	14:50: 0	144.000	12833.87	1000.21	
90	15: 5: 0	144.250	7727.58		162.95
91	15:20: 0	144.500	12833.87	1000.22	
92	15:35: 0	144.750	7727.61		162.96
93	15:50: 0	145.000	12833.87	1000.22	
94	16: 5: 0	145.250	7727.65		162.96
95	16:20: 0	145.500	12833.88	1000.22	
96	16:35: 0	145.750	7727.63		162.96
97	16:50: 0	146.000	12833.89	1000.24	
98	17: 5: 0	146.250	7727.62		162.96
99	17:20: 0	146.500	12833.91	1000.26	
100	17:35: 0	146.750	7727.63		162.96

DATE: 11/28/87
GAUGE SN #70059
WELL # 0
TEST # 1009

DATA FILE: 8

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	17:50: 0	147.000	12833.92	1000.28	
2	18: 5: 0	147.250	7727.62		162.96
3	18:20: 0	147.500	12833.95	1000.33	
4	18:35: 0	147.750	7727.62		162.96
5	18:50: 0	148.000	12833.96	1000.34	
6	19: 5: 0	148.250	7727.65		162.96
7	19:20: 0	148.500	12833.98	1000.36	
8	19:35: 0	148.750	7727.63		162.96
9	19:50: 0	149.000	12833.98	1000.37	
10	20: 5: 0	149.250	7727.65		162.96
11	20:20: 0	149.500	12834.01	1000.41	
12	20:35: 0	149.750	7727.62		162.96
13	20:50: 0	150.000	12834.03	1000.43	
14	21: 5: 0	150.250	7727.59		162.95
15	21:20: 0	150.500	12834.04	1000.45	
16	21:35: 0	150.750	7727.64		162.96
17	21:50: 0	151.000	12834.06	1000.48	
18	22: 5: 0	151.250	7727.59		162.95
19	22:20: 0	151.500	12834.08	1000.50	
20	22:35: 0	151.750	7727.60		162.96
21	22:50: 0	152.000	12834.08	1000.51	
22	23: 5: 0	152.250	7727.63		162.96
23	23:20: 0	152.500	12834.10	1000.53	
24	23:35: 0	152.750	7727.62		162.96
25	23:50: 0	153.000	12834.12	1000.56	
26	0: 5: 0	153.250	7727.63		162.96
27	0:20: 0	153.500	12834.13	1000.57	
28	0:35: 0	153.750	7727.59		162.95
29	0:50: 0	154.000	12834.14	1000.59	
30	1: 5: 0	154.250	7727.60		162.96
31	1:20: 0	154.500	12834.15	1000.60	
32	1:35: 0	154.750	7727.61		162.96
33	1:50: 0	155.000	12834.17	1000.63	
34	2: 5: 0	155.250	7727.65		162.96
35	2:20: 0	155.500	12834.18	1000.64	
36	2:35: 0	155.750	7727.61		162.96
37	2:50: 0	156.000	12834.20	1000.66	
38	3: 5: 0	156.250	7727.61		162.96
39	3:20: 0	156.500	12834.20	1000.67	
40	3:35: 0	156.750	7727.61		162.95
41	3:50: 0	157.000	12834.22	1000.70	
42	4: 5: 0	157.250	7727.60		162.96
43	4:20: 0	157.500	12834.22	1000.70	
44	4:35: 0	157.750	7727.61		162.96
45	4:50: 0	158.000	12834.24	1000.73	
46	5: 5: 0	158.250	7727.59		162.95
47	5:20: 0	158.500	12834.25	1000.73	
48	5:35: 0	158.750	7727.62		162.96
49	5:50: 0	159.000	12834.26	1000.75	
50	6: 5: 0	159.250	7727.59		162.95

DATE: 11/25/87
GAUGE SN #70059
WELL # 0
TEST # 1009

DATA FILE: 8

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
51	6:20: 0	159.500	12834.27	1000.77	
52	6:35: 0	159.750	7727.63		162.96
53	6:50: 0	160.000	12834.28	1000.78	
54	7: 5: 0	160.250	7727.62		162.96
55	7:20: 0	160.500	12834.29	1000.80	
56	7:35: 0	160.750	7727.62		162.96
57	7:50: 0	161.000	12834.30	1000.81	
58	8: 5: 0	161.250	7727.62		162.96
59	8:20: 0	161.500	12834.34	1000.86	
60	8:35: 0	161.750	7727.62		162.96
61	8:50: 0	162.000	12834.35	1000.88	
62	9: 5: 0	162.250	7727.63		162.96
63	9:20: 0	162.500	12834.37	1000.90	
64	9:35: 0	162.750	7727.61		162.96
65	9:50: 0	163.000	12834.39	1000.93	
66	10: 5: 0	163.250	7727.63		162.96
67	10:20: 0	163.500	12834.40	1000.94	
68	10:35: 0	163.750	7727.62		162.96
69	10:50: 0	164.000	12834.41	1000.96	
70	11: 5: 0	164.250	7727.65		162.96
71	11:20: 0	164.500	12834.40	1000.95	
72	11:35: 0	164.750	7727.64		162.96
73	11:50: 0	165.000	12834.41	1000.97	
74	12: 5: 0	165.250	7727.62		162.96
75	12:20: 0	165.500	12834.42	1000.97	
76	12:35: 0	165.750	7727.60		162.96
77	12:50: 0	166.000	12834.43	1000.98	
78	13: 5: 0	166.250	7727.65		162.96
79	13:20: 0	166.500	12834.43	1000.99	
80	13:35: 0	166.750	7727.63		162.96
81	13:50: 0	167.000	12834.44	1001.00	
82	14: 5: 0	167.250	7727.58		162.95
83	14:20: 0	167.500	12834.45	1001.01	
84	14:35: 0	167.750	7727.63		162.96
85	14:50: 0	168.000	12834.45	1001.02	
86	15: 5: 0	168.250	7727.63		162.96
87	15:20: 0	168.500	12834.47	1001.04	
88	15:35: 0	168.750	7727.65		162.96
89	15:50: 0	169.000	12834.48	1001.06	
90	16: 5: 0	169.250	7727.62		162.96
91	16:20: 0	169.500	12834.50	1001.08	
92	16:35: 0	169.750	7727.62		162.96
93	16:50: 0	170.000	12834.50	1001.09	
94	17: 5: 0	170.250	7727.64		162.96
95	17:20: 0	170.500	12834.52	1001.11	
96	17:35: 0	170.750	7727.62		162.96
97	17:50: 0	171.000	12834.55	1001.15	
98	18: 5: 0	171.250	7727.62		162.96
99	18:20: 0	171.500	12834.55	1001.16	
100	18:35: 0	171.750	7727.63		162.96

DATE: 11/29/87
GAUGE SN #70059
WELL # 0
TEST # 1009

DATA FILE: 9

COMPANY: BMG
CLIENT:
WELL NAME: D-17
TEST OPERATOR: MD
LOCATION: COU
COMMENTS: BHP @ 7100' GL

DATA PT	TIME	DELTA T (HRS)	FREQUENCY	PRESSURE PSIA	TEMPERATURE 'F
1	18:50: 0	172.000	12834.56	1001.17	
2	19: 5: 0	172.250	7727.59		162.95
3	19:20: 0	172.500	12834.58	1001.19	
4	19:35: 0	172.750	7727.58		162.95
5	19:50: 0	173.000	12834.58	1001.20	
6	20: 5: 0	173.250	7727.57		162.95
7	20:20: 0	173.500	12834.60	1001.22	
8	20:35: 0	173.750	7727.58		162.95
9	20:50: 0	174.000	12834.61	1001.24	
10	21: 5: 0	174.250	7727.61		162.96
11	21:20: 0	174.500	12834.63	1001.26	
12	21:35: 0	174.750	7727.59		162.95
13	21:50: 0	175.000	12834.64	1001.27	
14	22: 5: 0	175.250	7727.62		162.96
15	22:20: 0	175.500	12834.65	1001.30	
16	22:35: 0	175.750	7727.61		162.96
17	22:50: 0	176.000	12834.66	1001.31	
18	23: 5: 0	176.250	7727.66		162.96
19	23:20: 0	176.500	12834.67	1001.32	
20	23:35: 0	176.750	7727.63		162.96
21	23:50: 0	177.000	12834.68	1001.33	
22	0: 5: 0	177.250	7727.59		162.95
23	0:20: 0	177.500	12834.69	1001.35	
24	0:35: 0	177.750	7727.64		162.96
25	0:50: 0	178.000	12834.70	1001.36	
26	1: 5: 0	178.250	7727.61		162.96
27	1:20: 0	178.500	12834.72	1001.38	
28	1:35: 0	178.750	7727.62		162.96
29	1:50: 0	179.000	12834.72	1001.39	
30	2: 5: 0	179.250	7727.63		162.96
31	2:20: 0	179.500	12834.73	1001.41	
32	2:35: 0	179.750	7727.65		162.96
33	2:50: 0	180.000	12834.74	1001.41	
34	3: 5: 0	180.250	7727.64		162.96
35	3:20: 0	180.500	12834.74	1001.42	
36	3:35: 0	180.750	7727.63		162.96
37	3:50: 0	181.000	12834.74	1001.42	
38	4: 5: 0	181.250	7727.63		162.96
39	4:20: 0	181.500	12834.76	1001.44	
40	4:35: 0	181.750	7727.70		162.96
41	4:50: 0	182.000	12834.77	1001.45	
42	5: 5: 0	182.250	7727.64		162.96
43	5:20: 0	182.500	12834.77	1001.45	
44	5:35: 0	182.750	7727.68		162.96
45	5:50: 0	183.000	12834.77	1001.46	
46	6: 5: 0	183.250	7727.62		162.96
47	6:20: 0	183.500	12834.78	1001.48	
48	6:35: 0	183.750	7727.56		162.95
49	6:50: 0	184.000	12834.79	1001.48	
50	7: 5: 0	184.250	7727.62		162.96