

BLACKWOOD & NICHOLS CO.
A LIMITED PARTNERSHIP
P.O. BOX 1237
DURANGO, COLORADO 81302-1237

(303) 247-0728

April 19, 1991

G-32-117

RECEIVED
APR 22 1991
OIL CON. DIV.
DIST. 3

Mr. Frank Chavez
Oil Conservation Division
1000 Rio Brazos Drive
Aztec, New Mexico 87410

Re: Middle Mesa SWD #1 Surface Pressure Variance

Dear Frank:

The Middle Mesa SWD #1 Step Rate results are enclosed for your review. Blackwood & Nichols believes the pressure data supports our request for an increased surface pressure limit of 2500 psig.

Water Injection Volumes

The Middle Mesa Trunk A Gathering System currently has 21 coal wells connected. Future pipeline construction will add another 33 coal wells. As of 4-14-91, nine (9) wells were producing an average of 13.4 MMCFD and 3100 BWPD. Our estimated water production for Trunk A alone may exceed 10,000 BWPD when all 21 wells are turned on.

Review of 4-18-91 #1

Frank Chavez
April 19, 1991
Page two

Step Rate Results

The Step Rate Test indicated no parting occurs when flowing bottom hole pressures at 8905' remain below 5464 psig. Based on this information, Blackwood & Nichols finds no reason to believe an increased surface injection pressure of 2500 psig will result in fluid contamination outside the intended Morrison-Entrada Disposal Interval.

Sincerely,



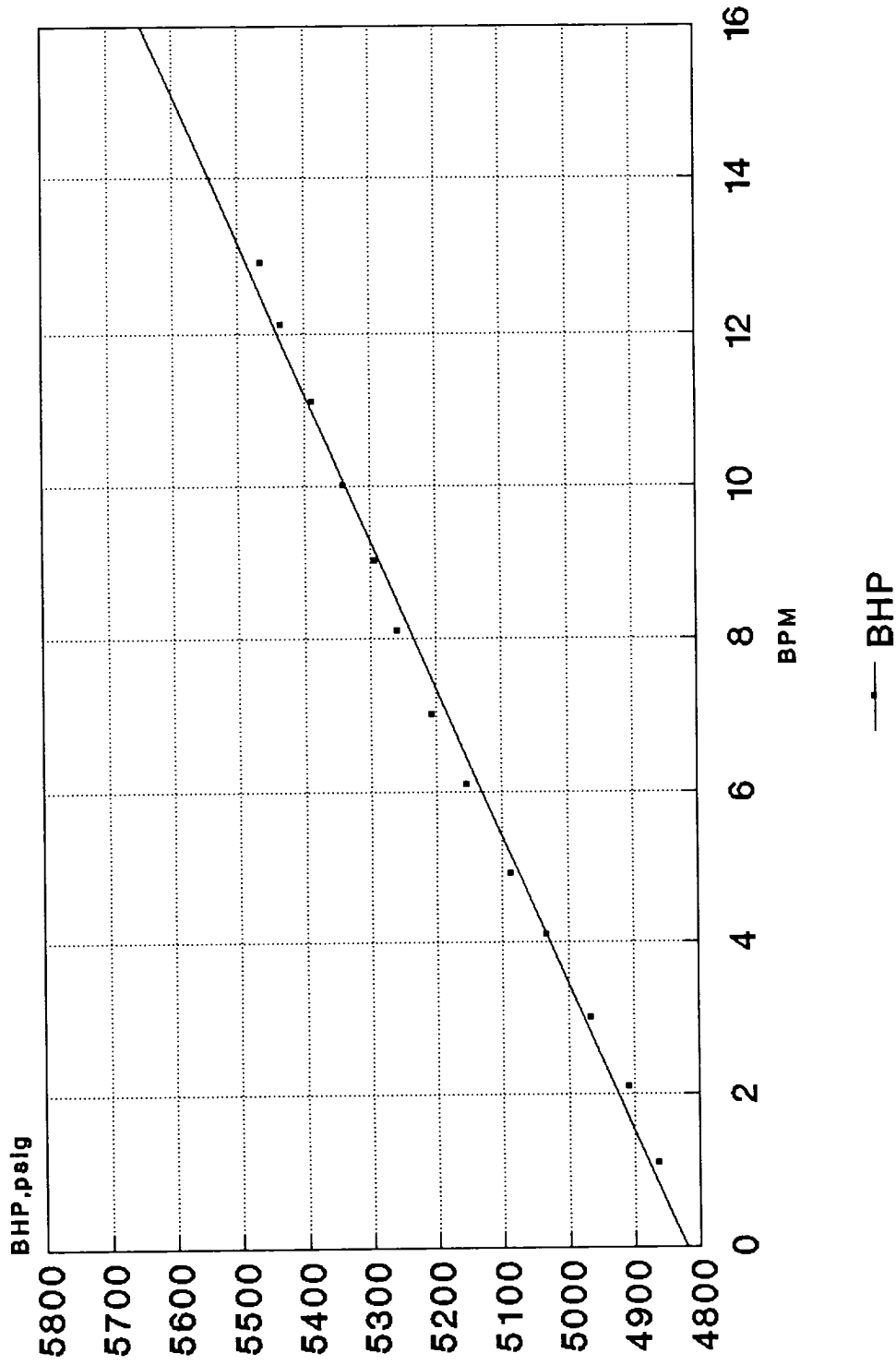
Jim Abbey
Operations Engineer
BLACKWOOD & NICHOLS CO., LTD

JKA/avd

cc: Dave Catanach - NMOCD, Santa Fe
Mack Duckworth - Devon Energy, Oklahoma City
Mark Manson - Blackwood & Nichols, Durango

MIDDLE MESA STEP-RATE TEST

April 18, 1991



Recorder depth @ 8905'.
Best fit trend line.

April 19, 1991

**STEP RATE TEST
MIDDLE MESA SWD #1**

LOCATION

1650' FNL, 1480' FEL
Section 32, T31N, R7W
San Juan County, New Mexico

WELL DATA

Casing record:

<u>Casing Size</u>	<u>Depth</u>	<u>Weight</u>
20"	308'	94#, H-40
13 3/8"	3622'	68/61#, K-55
9 5/8"	Top 3390' Bottom 5783'	40#, K-55
7"	9000', PBD 8990'	26#, S-95

Tubing record:

3-1/2" Plastic Lined, J-55, 9.3#/ft set at 7982'.

Otis 7" PL packer set at 7982'.

PERFORATING RECORD

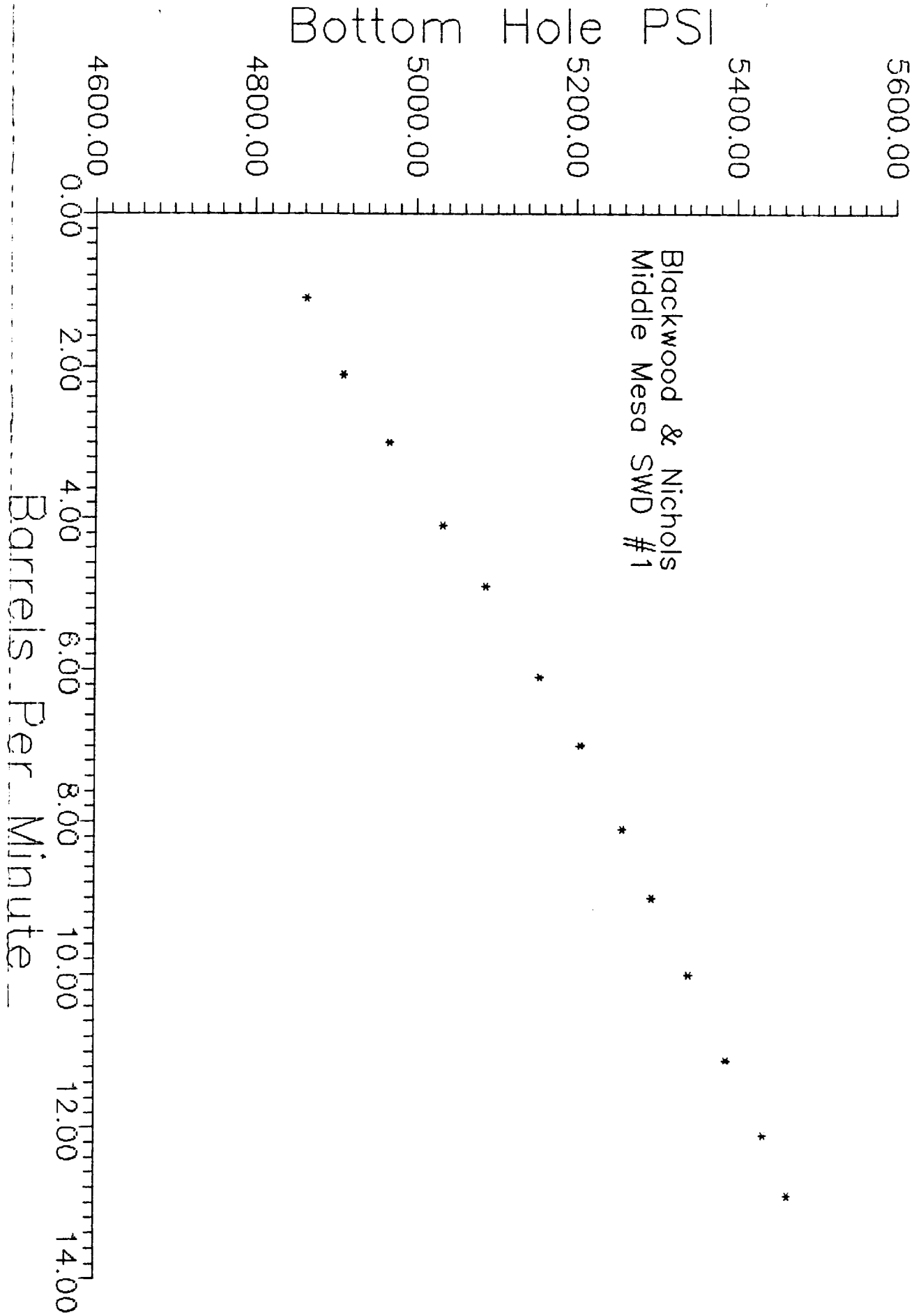
<u>Formation</u>	<u>Top Perforation</u>	<u>Bottom Perforation</u>
Upper Morrison	8064'	8260'
Lower Morrison	8300'	8460'
Bluff	8514'	8634'
Entrada	8786'	8899'

Blackwood & Nichols
 Middle Mesa step-rate test
 April 18, 1991

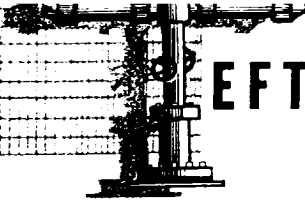
DATA TABLE

RATE	SURFACE	BHP	H.HEAD	FRICITION	
1.1	986 ¹⁴⁴	4862	46	3901	25 ⁹⁸
2.1	1130 ¹⁵³	4908	58	3901	123 ¹⁰⁰
3	1288 ²²²	4966	66	3901	223 ¹⁵⁴
4.1	1508 ¹⁷⁴	5032	54	3901	377 ⁹⁰
4.9	1652 ²⁹⁵	5086	68	3901	467 ²²⁷
6.1	1947 ²⁴³	5154	51	3901	694 ¹⁹⁴
7	2190 ³¹⁰	5205	53	3901	886 ²⁵⁷
8.1	2500 ²⁸⁷	5258	35	3901	1143 ²⁵²
9	2787 ³⁶³	5293	47	3901	1395 ³¹⁶
10	3150 ³³⁰	5340	47	3901	1711 ³³³
11.1	3530 ⁴¹⁰	5387	47	3901	2044 ³⁶³
12.1	3940 ³⁴⁰	5434	30	3901	2407 ³¹⁰
12.9	4280	5464	30	3901	2717

Recorder depth @ 8905'
 Injection test down 3.5" plastic lined tubing.



OCW Graph



EFTELLER, INC.

reservoir engineering data

FARMINGTON, NEW MEXICO / MIDLAND, TEXAS
GRAND JUNCTION, COLORADO

P. O. Box 1198
Farmington, New Mexico 87499
(505) 325-1731

Farmington Fax (505) 325-1148
Midland Fax (915) 682-5329
Grand Junction Fax (303) 241-7634

BLACKWOOD & NICHOLS CO., LTD

MIDDLE MESA SWD #1

APRIL 18, 1991

RECEIVED
MAY 01 1991
OIL CON. DIV
DIST. 3

Serving the Rocky Mountain Area & Permian Basin Area

WELL NAME : MIDDLE MESA SWD #1

DATE : 04/18/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F126418.RED

Date MM/DD	Time hh:mm:ss	Test Time hhhh.hhhh	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
4/18	9:16:0	.0000	.01	49.10		
4/18	9:18:15	.0375	.01	49.10	.00	
4/19	9:18:7	.0354	.01	54.72	.00	
4/19	9:18:52	.0479	.01	55.03	.00	
4/19	10:6:30	.8417	.01	60.72	.00	
4/19	10:7:0	.8500	2.36	60.76	2.35	
4/19	10:7:30	.8583	156.96	60.79	154.61	
4/19	10:7:37	.8604	936.30	60.78	779.33	
4/19	10:7:45	.8625	937.15	60.70	.85	
4/19	10:7:52	.8646	939.04	60.62	1.89	
4/19	10:8:0	.8667	946.50	60.54	7.45	
4/19	10:8:7	.8687	954.02	60.47	7.52	
4/19	10:8:15	.8708	955.37	60.39	1.36	
4/19	10:8:22	.8729	955.91	60.31	.53	
4/19	10:8:30	.8750	957.11	60.23	1.20	
4/19	10:8:52	.8813	957.80	60.00	.69	
4/19	10:9:0	.8833	961.79	59.92	3.99	
4/19	10:9:7	.8854	966.62	59.80	4.83	
4/19	10:9:15	.8875	971.19	59.69	4.56	
4/19	10:9:22	.8896	975.22	59.58	4.03	
4/19	10:9:30	.8917	980.05	59.47	4.83	
4/19	10:9:37	.8938	983.54	59.35	3.49	
4/19	10:9:52	.8979	984.39	59.12	.85	
4/19	10:10:0	.9000	989.98	59.01	5.59	
4/19	10:10:7	.9021	996.16	58.90	6.18	
4/19	10:10:15	.9042	1002.34	58.78	6.18	
4/19	10:10:22	.9063	1008.78	58.67	6.45	
4/19	10:10:30	.9083	1014.96	58.56	6.18	
4/19	10:10:37	.9104	1021.41	58.45	6.45	
4/19	10:10:45	.9125	1027.59	58.38	6.18	
4/19	10:10:52	.9146	1034.31	58.30	6.72	
4/19	10:11:0	.9167	1040.75	58.23	6.45	
4/19	10:11:7	.9187	1046.93	58.15	6.18	
4/19	10:11:15	.9208	1053.38	58.08	6.45	
4/19	10:11:22	.9229	1059.56	58.01	6.18	
4/19	10:11:30	.9250	1065.74	57.93	6.18	
4/19	10:11:37	.9271	1071.93	57.85	6.18	
4/19	10:11:45	.9292	1078.11	57.78	6.18	
4/19	10:11:52	.9312	1083.75	57.70	5.64	
4/19	10:12:7	.9354	1084.34	57.59	.59	
4/19	10:12:15	.9375	1091.55	57.58	7.21	
4/19	10:12:22	.9396	1099.61	57.57	8.06	
4/19	10:12:30	.9417	1108.21	57.56	8.60	
4/19	10:12:37	.9438	1117.89	57.55	9.68	
4/19	10:12:45	.9458	1127.56	57.54	9.68	
4/19	10:12:52	.9479	1136.70	57.53	9.14	
4/19	10:13:0	.9500	1145.84	57.52	9.14	
4/19	10:13:7	.9521	1154.98	57.52	9.14	
4/19	10:13:15	.9542	1164.12	57.50	9.14	
4/19	10:13:22	.9563	1172.99	57.50	8.87	
4/19	10:13:30	.9583	1182.13	57.49	9.14	
4/19	10:13:37	.9604	1191.26	57.50	9.14	
4/19	10:13:45	.9625	1200.94	57.54	9.68	
4/19	10:13:52	.9646	1210.61	57.58	9.67	
4/19	10:14:0	.9667	1220.56	57.61	9.94	
4/19	10:14:7	.9688	1230.23	57.65	9.67	
4/19	10:14:15	.9708	1240.17	57.69	9.94	
4/19	10:14:22	.9729	1249.85	57.73	9.67	
4/19	10:14:30	.9750	1260.06	57.76	10.21	
4/19	10:14:37	.9771	1269.73	57.81	9.67	
4/19	10:14:45	.9792	1279.67	57.84	9.94	
4/19	10:14:52	.9812	1289.62	57.88	9.94	
4/19	10:15:0	.9833	1299.29	57.92	9.67	
4/19	10:15:7	.9854	1309.23	57.98	9.94	
4/19	10:15:15	.9875	1318.90	58.06	9.67	

WELL NAME : MIDDLE MESA SWD #1

DATE : 04/18/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F126418.RED

Date	Time	Test Time	Pressure	Temp	deltaP	Comment
MM/DD	hh:mm:ss	hhhh.hhhh	Psig	Deg F	Psi	Ga. Press Ref. to 14.7 Psi Atm.
4/19	10:15:22	.9896	1328.84	58.14	9.94	
4/19	10:15:30	.9917	1338.51	58.21	9.67	
4/19	10:15:37	.9937	1348.18	58.30	9.67	
4/19	10:15:45	.9958	1357.85	58.37	9.67	
4/19	10:15:52	.9979	1367.78	58.45	9.94	
4/19	10:16: 0	1.0000	1377.45	58.53	9.67	
4/19	10:16: 7	1.0021	1387.39	58.61	9.94	
4/19	10:16:15	1.0042	1397.32	58.69	9.94	
4/19	10:16:22	1.0063	1408.06	58.77	10.74	
4/19	10:16:30	1.0083	1418.27	58.85	10.20	
4/19	10:16:37	1.0104	1428.74	58.94	10.47	
4/19	10:16:45	1.0125	1439.20	59.07	10.47	
4/19	10:16:52	1.0146	1449.40	59.18	10.20	
4/19	10:17: 0	1.0167	1459.87	59.30	10.47	
4/19	10:17: 7	1.0187	1470.33	59.42	10.46	
4/19	10:17:15	1.0208	1480.80	59.53	10.47	
4/19	10:17:22	1.0229	1491.53	59.65	10.73	
4/19	10:17:30	1.0250	1502.00	59.77	10.46	
4/19	10:17:37	1.0271	1512.73	59.89	10.73	
4/19	10:17:45	1.0292	1523.19	60.00	10.46	
4/19	10:17:52	1.0313	1533.66	60.12	10.46	
4/19	10:18: 0	1.0333	1543.85	60.24	10.19	
4/19	10:18: 7	1.0354	1554.57	60.38	10.73	
4/19	10:18:15	1.0375	1565.30	60.54	10.72	
4/19	10:18:22	1.0396	1576.02	60.69	10.72	
4/19	10:18:30	1.0417	1586.21	60.84	10.19	
4/19	10:18:37	1.0438	1596.66	61.00	10.45	
4/19	10:18:45	1.0458	1607.38	61.15	10.72	
4/19	10:18:52	1.0479	1618.10	61.31	10.72	
4/19	10:19: 0	1.0500	1629.35	61.46	11.26	
4/19	10:19: 7	1.0521	1640.61	61.62	11.25	
4/19	10:19:15	1.0542	1651.86	61.77	11.25	
4/19	10:19:22	1.0562	1663.11	61.92	11.25	
4/19	10:19:30	1.0583	1674.90	62.08	11.79	
4/19	10:19:37	1.0604	1686.16	62.23	11.25	
4/19	10:19:45	1.0625	1697.67	62.42	11.51	
4/19	10:19:52	1.0646	1709.18	62.60	11.51	
4/19	10:20: 0	1.0667	1720.69	62.78	11.51	
4/19	10:20: 7	1.0688	1731.93	62.97	11.24	
4/19	10:20:15	1.0708	1743.44	63.15	11.51	
4/19	10:20:22	1.0729	1754.95	63.33	11.51	
4/19	10:20:30	1.0750	1766.46	63.52	11.51	
4/19	10:20:37	1.0771	1777.96	63.71	11.51	
4/19	10:20:45	1.0792	1789.20	63.89	11.24	
4/19	10:20:52	1.0812	1800.70	64.07	11.50	
4/19	10:21: 0	1.0833	1811.94	64.26	11.23	
4/19	10:21: 7	1.0854	1823.17	64.44	11.23	
4/19	10:21:15	1.0875	1834.40	64.65	11.23	
4/19	10:21:22	1.0896	1845.89	64.85	11.49	
4/19	10:21:30	1.0917	1857.12	65.05	11.23	
4/19	10:21:37	1.0938	1868.61	65.26	11.49	
4/19	10:21:45	1.0958	1880.10	65.46	11.49	
4/19	10:21:52	1.0979	1891.59	65.66	11.49	
4/19	10:22: 0	1.1000	1902.81	65.86	11.22	
4/19	10:22: 7	1.1021	1914.30	66.07	11.48	
4/19	10:22:15	1.1042	1925.78	66.27	11.49	
4/19	10:22:22	1.1063	1937.27	66.47	11.49	
4/19	10:22:30	1.1083	1948.76	66.68	11.48	
4/19	10:22:37	1.1104	1960.23	66.89	11.48	
4/19	10:22:45	1.1125	1971.71	67.11	11.48	
4/19	10:22:52	1.1146	1982.65	67.33	10.94	
4/19	10:23: 0	1.1167	1993.85	67.55	11.21	
4/19	10:23: 7	1.1187	2005.06	67.77	11.21	
4/19	10:23:15	1.1208	2016.26	67.99	11.20	
4/19	10:23:22	1.1229	2027.46	68.22	11.20	

WELL NAME : MIDDLE MESA SWD #1

DATE : 04/18/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F126418.RED

Date	Time	Test Time	Pressure	Temp	deltaP	Comment
MM/DD	hh:mm:ss	hhhh.hhhh	Psig	Deg F	Psi	Ga. Press Ref. to 14.7 Psi Atm.
4/19	10:23:30	1.1250	2038.93	68.44	11.47	
4/19	10:23:37	1.1271	2050.13	68.66	11.20	
4/19	10:23:45	1.1292	2061.59	68.89	11.46	
4/19	10:23:52	1.1313	2072.79	69.11	11.20	
4/19	10:24: 0	1.1333	2084.25	69.33	11.46	
4/19	10:24: 7	1.1354	2095.72	69.56	11.46	
4/19	10:24:15	1.1375	2107.18	69.78	11.46	
4/19	10:24:22	1.1396	2118.63	70.01	11.46	
4/19	10:24:30	1.1417	2129.82	70.23	11.19	
4/19	10:24:37	1.1437	2141.28	70.46	11.45	
4/19	10:24:45	1.1458	2152.73	70.69	11.45	
4/19	10:24:52	1.1479	2163.64	70.92	10.92	
4/19	10:25: 0	1.1500	2174.82	71.15	11.18	
4/19	10:25: 7	1.1521	2186.01	71.38	11.18	
4/19	10:25:15	1.1542	2197.46	71.60	11.45	
4/19	10:25:22	1.1563	2208.63	71.83	11.18	
4/19	10:25:30	1.1583	2219.81	72.05	11.18	
4/19	10:25:37	1.1604	2230.99	72.29	11.17	
4/19	10:25:45	1.1625	2242.15	72.54	11.17	
4/19	10:25:52	1.1646	2253.58	72.79	11.43	
4/19	10:26: 0	1.1667	2265.02	73.03	11.44	
4/19	10:26: 7	1.1688	2275.91	73.28	10.89	
4/19	10:26:15	1.1708	2287.34	73.53	11.43	
4/19	10:26:22	1.1729	2298.77	73.77	11.43	
4/19	10:26:30	1.1750	2310.20	74.02	11.43	
4/19	10:26:37	1.1771	2321.35	74.27	11.16	
4/19	10:26:45	1.1792	2332.51	74.51	11.16	
4/19	10:26:52	1.1812	2344.20	74.76	11.69	
4/19	10:27: 0	1.1833	2355.09	75.01	10.88	
4/19	10:27: 7	1.1854	2366.50	75.27	11.41	
4/19	10:27:15	1.1875	2377.62	75.59	11.12	
4/19	10:27:22	1.1896	2388.75	75.90	11.12	
4/19	10:27:30	1.1917	2400.13	76.22	11.39	
4/19	10:27:37	1.1938	2410.98	76.54	10.85	
4/19	10:27:45	1.1958	2422.10	76.86	11.11	
4/19	10:27:52	1.1979	2433.21	77.19	11.11	
4/19	10:28: 0	1.2000	2444.32	77.51	11.11	
4/19	10:28: 7	1.2021	2455.16	77.82	10.84	
4/19	10:28:15	1.2042	2466.00	78.14	10.84	
4/19	10:28:22	1.2062	2477.11	78.46	11.10	
4/19	10:28:30	1.2083	2487.67	78.78	10.57	
4/19	10:28:37	1.2104	2498.75	79.16	11.08	
4/19	10:28:45	1.2125	2509.82	79.54	11.07	
4/19	10:28:52	1.2146	2517.69	79.92	7.86	
4/19	10:29: 0	1.2167	2517.69	80.29	.00	
4/19	10:29: 7	1.2188	2523.78	80.68	6.09	
4/19	10:29:15	1.2208	2537.53	81.05	13.74	
4/19	10:29:22	1.2229	2550.46	81.43	12.94	
4/19	10:29:30	1.2250	2561.79	81.81	11.33	
4/19	10:29:37	1.2271	2573.38	82.19	11.59	
4/19	10:29:45	1.2292	2582.57	82.57	9.19	
4/19	10:29:52	1.2313	2592.02	82.95	9.45	
4/19	10:30: 0	1.2333	2602.27	83.32	10.25	
4/19	10:30: 7	1.2354	2612.25	83.71	9.98	
4/19	10:30:15	1.2375	2623.02	84.13	10.77	
4/19	10:30:22	1.2396	2634.05	84.54	11.03	
4/19	10:30:30	1.2417	2645.08	84.94	11.03	
4/19	10:30:37	1.2437	2656.11	85.35	11.03	
4/19	10:30:45	1.2458	2667.13	85.76	11.02	
4/19	10:30:52	1.2479	2678.96	86.16	11.83	
4/19	10:31: 0	1.2500	2690.78	86.57	11.82	
4/19	10:31: 7	1.2521	2702.60	86.99	11.82	
4/19	10:31:15	1.2542	2715.21	87.39	12.62	
4/19	10:31:22	1.2563	2728.09	87.80	12.88	
4/19	10:31:30	1.2583	2741.24	88.21	13.14	

WELL NAME : MIDDLE MESA SWD #1

DATE : 04/18/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F126418.RED

Date	Time	Test Time	Pressure	Temp	deltaP	Comment
MM/DD	hh:mm:ss	hhhh.hhhh	Psig	Deg F	Psi	Ga. Press Ref. to 14.7 Psi Atm.
4/19	10:31:37	1.2604	2754.91	88.63	13.67	
4/19	10:31:45	1.2625	2768.56	89.08	13.65	
4/19	10:31:52	1.2646	2782.47	89.53	13.92	
4/19	10:32: 0	1.2667	2796.65	89.99	14.17	
4/19	10:32: 7	1.2687	2810.55	90.44	13.91	
4/19	10:32:15	1.2708	2824.46	90.89	13.91	
4/19	10:32:22	1.2729	2839.42	91.35	14.96	
4/19	10:32:30	1.2750	2854.65	91.80	15.23	
4/19	10:32:37	1.2771	2869.61	92.25	14.96	
4/19	10:32:45	1.2792	2884.30	92.71	14.69	
4/19	10:32:52	1.2813	2899.78	93.16	15.49	
4/19	10:33: 0	1.2833	2915.00	93.62	15.21	
4/19	10:33: 7	1.2854	2930.99	94.11	15.99	
4/19	10:33:15	1.2875	2947.22	94.64	16.23	
4/19	10:33:22	1.2896	2963.18	95.17	15.96	
4/19	10:33:30	1.2917	2979.13	95.70	15.96	
4/19	10:33:37	1.2938	2995.34	96.24	16.21	
4/19	10:33:45	1.2958	3011.56	96.77	16.21	
4/19	10:33:52	1.2979	3027.76	97.31	16.20	
4/19	10:34: 0	1.3000	3044.23	97.84	16.47	
4/19	10:34: 7	1.3021	3061.23	98.37	17.00	
4/19	10:34:15	1.3042	3077.95	98.90	16.73	
4/19	10:34:22	1.3062	3094.41	99.43	16.46	
4/19	10:34:30	1.3083	3111.13	99.96	16.72	
4/19	10:34:37	1.3104	3127.55	100.52	16.43	
4/19	10:34:45	1.3125	3144.77	101.09	17.22	
4/19	10:34:52	1.3146	3162.25	101.65	17.48	
4/19	10:35: 0	1.3167	3179.73	102.21	17.48	
4/19	10:35: 7	1.3188	3197.73	102.78	18.00	
4/19	10:35:15	1.3208	3216.26	103.34	18.53	
4/19	10:35:22	1.3229	3233.98	103.90	17.73	
4/19	10:35:30	1.3250	3251.97	104.46	17.99	
4/19	10:35:37	1.3271	3270.48	105.03	18.51	
4/19	10:35:45	1.3292	3288.99	105.59	18.51	
4/19	10:35:52	1.3312	3307.22	106.15	18.23	
4/19	10:36: 0	1.3333	3325.72	106.72	18.50	
4/19	10:36: 7	1.3354	3343.97	107.24	18.25	
4/19	10:36:15	1.3375	3362.75	107.76	18.78	
4/19	10:36:22	1.3396	3382.06	108.27	19.31	
4/19	10:36:30	1.3417	3401.90	108.78	19.84	
4/19	10:36:37	1.3438	3421.47	109.29	19.57	
4/19	10:36:45	1.3458	3441.56	109.80	20.09	
4/19	10:36:52	1.3479	3461.39	110.31	19.82	
4/19	10:37: 0	1.3500	3481.47	110.82	20.08	
4/19	10:37: 7	1.3521	3501.28	111.34	19.80	
4/19	10:37:15	1.3542	3521.09	111.84	19.82	
4/19	10:37:22	1.3563	3540.89	112.36	19.79	
4/19	10:37:30	1.3583	3560.42	112.87	19.53	
4/19	10:37:37	1.3604	3579.96	113.36	19.54	
4/19	10:37:45	1.3625	3599.22	113.87	19.26	
4/19	10:37:52	1.3646	3619.26	114.38	20.05	
4/19	10:38: 0	1.3667	3639.84	114.88	20.58	
4/19	10:38: 7	1.3687	3660.14	115.39	20.30	
4/19	10:38:15	1.3708	3680.98	115.89	20.83	
4/19	10:38:22	1.3729	3701.27	116.39	20.29	
4/19	10:38:30	1.3750	3721.30	116.90	20.03	
4/19	10:38:37	1.3771	3741.58	117.41	20.28	
4/19	10:38:45	1.3792	3762.39	117.91	20.81	
4/19	10:38:52	1.3813	3782.93	118.42	20.53	
4/19	10:39: 0	1.3833	3803.72	118.93	20.79	
4/19	10:39: 7	1.3854	3824.50	119.44	20.78	
4/19	10:39:15	1.3875	3844.99	120.00	20.49	
4/19	10:39:22	1.3896	3866.00	120.55	21.01	
4/19	10:39:30	1.3917	3886.48	121.10	20.48	
4/19	10:39:37	1.3937	3907.74	121.65	21.26	

WELL NAME : MIDDLE MESA SWD #1

DATE : 04/18/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F126418.RED

Date MM/DD	Time hh:mm:ss	Test Time hhhh.hhhh	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
4/19	10:39:45	1.3958	3929.26	122.20	21.52	
4/19	10:39:52	1.3979	3950.78	122.75	21.52	
4/19	10:40: 0	1.4000	3972.56	123.30	21.78	
4/19	10:40: 7	1.4021	3993.80	123.85	21.24	
4/19	10:40:15	1.4042	4015.03	124.40	21.23	
4/19	10:40:22	1.4063	4037.04	124.96	22.01	
4/19	10:40:30	1.4083	4058.80	125.51	21.75	
4/19	10:40:37	1.4104	4080.52	126.08	21.73	
4/19	10:40:45	1.4125	4102.46	126.71	21.94	
4/19	10:40:52	1.4146	4123.60	127.33	21.14	
4/19	10:41: 0	1.4167	4144.20	127.96	20.60	
4/19	10:41: 7	1.4188	4165.06	128.58	20.86	
4/19	10:41:15	1.4208	4186.19	129.20	21.12	
4/19	10:41:22	1.4229	4207.29	129.84	21.10	
4/19	10:41:30	1.4250	4228.66	130.46	21.37	
4/19	10:41:37	1.4271	4249.75	131.09	21.09	
4/19	10:41:45	1.4292	4270.85	131.71	21.10	
4/19	10:41:52	1.4312	4292.19	132.34	21.34	
4/19	10:42: 0	1.4333	4314.07	132.96	21.88	
4/19	10:42: 7	1.4354	4335.90	133.63	21.83	
4/19	10:42:15	1.4375	4357.67	134.34	21.77	
4/19	10:42:22	1.4396	4379.44	135.04	21.78	
4/19	10:42:30	1.4417	4401.21	135.75	21.76	
4/19	10:42:37	1.4438	4423.22	136.46	22.02	
4/19	10:42:45	1.4458	4445.24	137.16	22.02	
4/19	10:42:52	1.4479	4467.24	137.87	22.00	
4/19	10:43: 0	1.4500	4489.50	138.58	22.26	
4/19	10:43: 7	1.4521	4509.11	139.29	19.61	
4/19	10:43:15	1.4542	4527.66	140.00	18.55	
4/19	10:43:22	1.4562	4547.00	140.70	19.34	
4/19	10:43:30	1.4583	4566.59	141.42	19.58	
4/19	10:43:37	1.4604	4586.71	141.85	20.13	
4/19	10:43:45	1.4625	4608.12	142.05	21.40	
4/19	10:43:52	1.4646	4629.54	142.23	21.42	
4/19	10:44: 0	1.4667	4650.68	142.42	21.15	
4/19	10:44: 7	1.4688	4670.52	142.60	19.84	
4/19	10:44:15	1.4708	4688.50	142.79	17.98	
4/19	10:44:22	1.4729	4706.48	142.98	17.98	
4/19	10:44:30	1.4750	4721.84	143.16	15.35	
4/19	10:44:37	1.4771	4735.60	143.35	13.76	
4/19	10:44:45	1.4792	4748.85	143.53	13.25	
4/19	10:44:52	1.4813	4762.35	143.72	13.50	
4/19	10:45: 0	1.4833	4772.95	143.91	10.60	
4/19	10:45: 7	1.4854	4782.14	143.93	9.20	
4/19	10:45:15	1.4875	4791.13	143.90	8.98	
4/19	10:45:22	1.4896	4799.86	143.86	8.73	
4/19	10:45:30	1.4917	4808.05	143.83	8.20	
4/19	10:45:37	1.4937	4815.21	143.79	7.15	
4/19	10:45:45	1.4958	4822.62	143.76	7.42	
4/19	10:45:52	1.4979	4828.98	143.72	6.35	
4/19	10:46: 0	1.5000	4832.97	143.68	3.99	
4/19	10:46: 7	1.5021	4837.74	143.65	4.77	
4/19	10:46:15	1.5042	4841.21	143.61	3.47	
4/19	10:46:52	1.5146	4840.24	143.75	- .97	
4/19	10:47: 0	1.5167	4839.51	143.84	- .73	
4/19	10:47: 7	1.5187	4838.62	143.93	- .88	
4/19	10:47:15	1.5208	4838.31	144.03	- .31	
4/19	10:48: 0	1.5333	4837.44	144.58	- .88	
4/19	10:48:45	1.5458	4836.76	145.39	- .68	
4/19	10:49:30	1.5583	4836.61	146.20	- .15	
4/19	10:50:15	1.5708	4836.84	146.93	.24	
4/19	10:51: 0	1.5833	4837.16	147.63	.32	
4/19	10:51:45	1.5958	4837.49	148.18	.33	
4/19	10:52:15	1.6042	4837.62	148.54	.13	
4/19	10:52:22	1.6063	4845.38	148.62	7.76	

INSTRUMENT @ 8905'

WELL NAME : MIDDLE MESA SWD #1

DATE : 04/18/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F126418.RED

Date	Time	Test Time	Pressure	Temp	deltaP	Comment
MM/DD	hh:mm:ss	hhhh.hhhh	Psig	Deg F	Psi	Ga. Press Ref. to 14.7 Psi Atm.
4/19	10:52:30	1.6083	4839.50	148.71	-5.88	
4/19	10:52:45	1.6125	4838.48	148.85	-1.01	
4/19	10:52:52	1.6146	4838.22	148.91	-.26	
4/19	10:53:37	1.6271	4837.96	149.29	-.26	
4/19	10:54:22	1.6396	4837.76	149.62	-.20	
4/19	10:55: 7	1.6521	4837.63	149.89	-.13	
4/19	10:55:22	1.6563	4837.65	149.97	.02	
4/19	10:55:30	1.6583	4840.48	150.02	2.83	
4/19	10:55:37	1.6604	4841.15	150.05	.67	
4/19	10:55:45	1.6625	4842.71	150.08	1.56	
4/19	10:55:52	1.6646	4844.47	150.11	1.76	
4/19	10:56: 7	1.6688	4843.95	150.16	-.52	
4/19	10:56:15	1.6708	4841.38	150.19	-2.57	
4/19	10:56:45	1.6792	4842.21	150.29	.82	
4/19	10:56:52	1.6812	4842.58	150.32	.37	
4/19	10:57: 0	1.6833	4843.16	150.35	.59	
4/19	10:57:30	1.6917	4844.10	150.38	.94	
4/19	10:58: 0	1.7000	4845.71	150.34	1.61	
4/19	10:58:30	1.7083	4847.05	150.30	1.34	
4/19	10:59: 0	1.7167	4848.16	150.25	1.11	
4/19	10:59:30	1.7250	4849.25	150.21	1.09	
4/19	11: 0: 0	1.7333	4850.21	150.17	.96	
4/19	11: 0:30	1.7417	4851.19	150.12	.98	
4/19	11: 1: 0	1.7500	4852.28	150.08	1.09	
4/19	11: 1:30	1.7583	4853.75	150.04	1.47	
4/19	11: 2: 0	1.7667	4854.20	149.99	.46	
4/19	11: 2:30	1.7750	4855.05	149.95	.85	
4/19	11: 3: 0	1.7833	4856.18	149.92	1.13	
4/19	11: 3:45	1.7958	4857.24	149.59	1.06	
4/19	11: 4:22	1.8062	4858.32	149.30	1.08	
4/19	11: 4:30	1.8083	4858.55	149.24	.23	
4/19	11: 5:15	1.8208	4859.34	148.73	.78	
4/19	11: 6: 0	1.8333	4860.18	148.19	.85	
4/19	11: 7: 0	1.8500	4860.66	147.36	.48	
4/19	11: 8: 0	1.8667	4861.22	146.50	.56	
4/19	11: 9: 0	1.8833	4861.99	145.64	.77	
4/19	11:10: 0	1.9000	4862.86	144.79	.87	RATE #1 - 1 BPM
4/19	11:10:30	1.9083	4873.85	144.35	10.99	
4/19	11:11: 0	1.9167	4879.32	143.93	5.46	
4/19	11:11:30	1.9250	4880.06	143.50	.74	
4/19	11:12: 0	1.9333	4883.40	143.07	3.34	
4/19	11:12:15	1.9375	4884.23	142.90	.83	
4/19	11:12:22	1.9396	4884.62	142.81	.39	
4/19	11:12:45	1.9458	4885.69	142.55	1.07	
4/19	11:12:52	1.9479	4886.08	142.48	.40	
4/19	11:13: 7	1.9521	4886.93	142.30	.85	
4/19	11:13:15	1.9542	4887.31	142.22	.38	
4/19	11:14: 0	1.9667	4888.27	141.81	.96	
4/19	11:14:45	1.9792	4888.95	141.47	.68	
4/19	11:15:30	1.9917	4889.79	141.23	.83	
4/19	11:15:45	1.9958	4890.05	141.17	.27	
4/19	11:15:52	1.9979	4890.90	141.15	.84	
4/19	11:16:22	2.0062	4891.60	141.03	.70	
4/19	11:16:30	2.0083	4892.22	141.00	.62	
4/19	11:17: 0	2.0167	4893.89	140.92	1.67	
4/19	11:17:30	2.0250	4894.52	140.82	.63	
4/19	11:18: 0	2.0333	4895.43	140.72	.91	
4/19	11:18:30	2.0417	4896.47	140.61	1.03	
4/19	11:19: 0	2.0500	4897.37	140.51	.90	
4/19	11:19:30	2.0583	4898.27	140.40	.91	
4/19	11:20: 0	2.0667	4899.45	140.30	1.18	
4/19	11:20:30	2.0750	4900.74	140.20	1.29	
4/19	11:21: 0	2.0833	4902.01	140.10	1.27	
4/19	11:22: 0	2.1000	4903.04	139.89	1.03	
4/19	11:22:30	2.1083	4904.20	139.78	1.16	

WELL NAME : MIDDLE MESA SWD #1

DATE : 04/18/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F126418.RED

Date	Time	Test Time	Pressure	Temp	deltaP	Comment
MM/DD	hh:mm:ss	hhhh.hhhh	Psig	Deg F	Psi	Ga. Press Ref. to 14.7 Psi Atm.
4/19	11:23:0	2.1167	4905.23	139.68	1.03	
4/19	11:23:7	2.1188	4905.49	139.65	.25	
4/19	11:23:52	2.1312	4906.49	139.51	1.00	
4/19	11:24:15	2.1375	4907.41	139.45	.92	
4/19	11:24:22	2.1396	4907.74	139.43	.33	
4/19	11:25:0	2.1500	4908.82	139.36	1.08	
4/19	11:25:7	2.1521	4909.41	139.35	.58	
4/19	11:25:15	2.1542	4914.83	139.33	5.42	
4/19	11:25:22	2.1563	4921.43	139.32	6.60	
4/19	11:25:30	2.1583	4924.35	139.30	2.92	
4/19	11:25:45	2.1625	4925.43	139.27	1.08	
4/19	11:25:52	2.1646	4926.14	139.27	.71	
4/19	11:26:0	2.1667	4927.70	139.26	1.56	
4/19	11:26:15	2.1708	4928.46	139.25	.75	
4/19	11:26:22	2.1729	4928.92	139.24	.46	
4/19	11:26:37	2.1771	4929.67	139.23	.75	
4/19	11:26:45	2.1792	4930.05	139.22	.38	
4/19	11:26:52	2.1813	4930.65	139.21	.60	
4/19	11:27:0	2.1833	4931.63	139.20	.97	
4/19	11:27:7	2.1854	4932.80	139.19	1.17	
4/19	11:27:15	2.1875	4933.89	139.20	1.09	
4/19	11:27:22	2.1896	4934.19	139.20	.29	
4/19	11:27:30	2.1917	4934.76	139.20	.57	
4/19	11:27:37	2.1937	4935.74	139.20	.98	
4/19	11:27:52	2.1979	4936.44	139.20	.70	
4/19	11:28:0	2.2000	4936.87	139.20	.43	
4/19	11:28:15	2.2042	4937.60	139.21	.73	
4/19	11:28:22	2.2062	4937.98	139.21	.37	
4/19	11:28:37	2.2104	4938.75	139.24	.77	
4/19	11:28:45	2.2125	4939.13	139.28	.38	
4/19	11:29:15	2.2208	4940.22	139.46	1.09	
4/19	11:29:22	2.2229	4940.47	139.51	.26	
4/19	11:29:52	2.2313	4941.56	139.69	1.09	
4/19	11:30:0	2.2333	4941.92	139.73	.36	
4/19	11:30:22	2.2396	4943.00	140.00	1.07	
4/19	11:30:30	2.2417	4943.34	140.10	.34	
4/19	11:30:37	2.2438	4943.96	140.20	.62	
4/19	11:30:45	2.2458	4944.83	140.30	.87	
4/19	11:31:0	2.2500	4945.48	140.50	.65	
4/19	11:31:7	2.2521	4946.35	140.60	.87	
4/19	11:31:30	2.2583	4947.41	140.90	1.07	
4/19	11:31:37	2.2604	4948.46	141.02	1.05	
4/19	11:32:22	2.2729	4949.16	141.82	.70	
4/19	11:32:52	2.2813	4949.91	142.35	.75	
4/19	11:33:0	2.2833	4950.55	142.49	.64	
4/19	11:33:30	2.2917	4951.40	143.03	.85	
4/19	11:33:37	2.2938	4951.66	143.18	.26	
4/19	11:34:0	2.3000	4952.45	143.58	.79	
4/19	11:34:7	2.3021	4952.89	143.73	.44	
4/19	11:34:52	2.3146	4953.75	144.51	.85	
4/19	11:35:15	2.3208	4954.50	144.87	.75	
4/19	11:35:22	2.3229	4954.85	144.99	.35	
4/19	11:35:37	2.3271	4955.59	145.23	.75	
4/19	11:35:45	2.3292	4955.96	145.35	.36	
4/19	11:35:52	2.3312	4956.52	145.47	.57	
4/19	11:36:0	2.3333	4957.18	145.59	.66	
4/19	11:36:30	2.3417	4958.15	145.95	.97	
4/19	11:36:37	2.3438	4958.49	146.04	.34	
4/19	11:37:7	2.3521	4959.53	146.38	1.04	
4/19	11:37:15	2.3542	4959.73	146.47	.20	
4/19	11:37:45	2.3625	4960.74	146.75	1.01	
4/19	11:37:52	2.3646	4960.96	146.80	.22	
4/19	11:38:0	2.3667	4961.34	146.85	.38	
4/19	11:38:7	2.3688	4962.07	146.90	.74	
4/19	11:38:37	2.3771	4963.09	147.10	1.02	

RATE #2 - 2 BPM

WELL NAME : MIDDLE MESA SWD #1

DATE : 04/18/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F126418.RED

Date	Time	Test Time	Pressure	Temp	deltaP	Comment
MM/DD	hh:mm:ss	hhhh.hhhh	Psig	Deg F	Psi	Ga. Press Ref. to 14.7 Psi Atm.
4/19	11:38:45	2.3792	4963.37	147.15	.27	
4/19	11:39: 7	2.3854	4964.23	147.28	.86	
4/19	11:39:15	2.3875	4964.54	147.29	.31	
4/19	11:39:37	2.3937	4965.48	147.35	.94	
4/19	11:39:45	2.3958	4965.81	147.36	.33	
4/19	11:40: 0	2.4000	4966.53	147.40	.71	RATE #3 - 3 BPM
4/19	11:40: 7	2.4021	4977.15	147.42	10.63	
4/19	11:40:15	2.4042	4977.84	147.43	.69	
4/19	11:40:22	2.4063	4981.06	147.46	3.22	
4/19	11:40:30	2.4083	4982.02	147.47	.96	
4/19	11:40:37	2.4104	4983.85	147.48	1.83	
4/19	11:40:45	2.4125	4985.42	147.48	1.56	
4/19	11:40:52	2.4146	4986.74	147.47	1.33	
4/19	11:41: 0	2.4167	4987.93	147.46	1.19	
4/19	11:41: 7	2.4188	4988.84	147.46	.91	
4/19	11:41:15	2.4208	4989.77	147.46	.93	
4/19	11:41:22	2.4229	4990.84	147.45	1.06	
4/19	11:41:30	2.4250	4991.76	147.44	.92	
4/19	11:41:37	2.4271	4992.86	147.44	1.10	
4/19	11:41:52	2.4313	4993.88	147.43	1.02	
4/19	11:42: 0	2.4333	4994.91	147.43	1.04	
4/19	11:42:15	2.4375	4994.80	147.38	-.12	
4/19	11:42:22	2.4396	4984.33	147.36	-10.47	
4/19	11:42:30	2.4417	4974.89	147.33	-9.44	
4/19	11:42:37	2.4437	4966.76	147.30	-8.13	
4/19	11:42:45	2.4458	4984.42	147.27	17.66	
4/19	11:42:52	2.4479	4987.09	147.24	2.67	
4/19	11:43: 0	2.4500	4991.33	147.21	4.24	
4/19	11:43: 7	2.4521	4994.52	147.18	3.19	
4/19	11:43:15	2.4542	4997.19	147.15	2.67	
4/19	11:43:22	2.4562	4998.18	147.13	1.00	
4/19	11:43:30	2.4583	4998.60	147.10	.42	
4/19	11:43:45	2.4625	4999.34	147.01	.73	
4/19	11:43:52	2.4646	5000.49	146.96	1.15	
4/19	11:44: 0	2.4667	5000.89	146.91	.40	
4/19	11:44: 7	2.4688	5001.61	146.86	.72	
4/19	11:44:15	2.4708	5002.76	146.81	1.16	
4/19	11:44:37	2.4771	5003.84	146.66	1.08	
4/19	11:44:45	2.4792	5004.36	146.61	.52	
4/19	11:44:52	2.4813	5005.35	146.56	.99	
4/19	11:45: 0	2.4833	5005.68	146.52	.34	
4/19	11:45:15	2.4875	5006.55	146.38	.87	
4/19	11:45:22	2.4896	5006.94	146.31	.39	
4/19	11:45:37	2.4938	5007.64	146.16	.71	
4/19	11:45:45	2.4958	5008.03	146.09	.39	
4/19	11:46: 0	2.5000	5008.88	145.94	.85	
4/19	11:46: 7	2.5021	5009.29	145.87	.42	
4/19	11:46:22	2.5062	5010.05	145.72	.75	
4/19	11:46:30	2.5083	5010.42	145.64	.37	
4/19	11:46:45	2.5125	5011.21	145.48	.80	
4/19	11:46:52	2.5146	5011.56	145.39	.35	
4/19	11:47:15	2.5208	5012.27	145.11	.72	
4/19	11:47:22	2.5229	5012.88	145.01	.60	
4/19	11:47:37	2.5271	5013.66	144.83	.79	
4/19	11:47:45	2.5292	5014.05	144.74	.39	
4/19	11:48: 7	2.5354	5015.14	144.46	1.09	
4/19	11:48:15	2.5375	5015.56	144.35	.42	
4/19	11:48:30	2.5417	5016.53	144.13	.97	
4/19	11:48:37	2.5438	5017.00	144.03	.47	
4/19	11:48:45	2.5458	5017.60	143.92	.60	
4/19	11:48:52	2.5479	5018.38	143.81	.79	
4/19	11:49: 7	2.5521	5019.07	143.60	.68	
4/19	11:49:15	2.5542	5019.51	143.49	.45	
4/19	11:49:30	2.5583	5020.37	143.27	.85	
4/19	11:49:37	2.5604	5020.79	143.15	.42	

WELL NAME : MIDDLE MESA SWD #1

DATE : 04/18/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F126418.RED

Date MM/DD	Time hh:mm:ss	Test Time hhhh.hhhh	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
4/19	11:50: 7	2.5687	5021.83	142.69	1.04	
4/19	11:50:15	2.5708	5022.28	142.57	.45	
4/19	11:50:30	2.5750	5022.83	142.34	.55	
4/19	11:50:37	2.5771	5023.52	142.23	.69	
4/19	11:51: 0	2.5833	5024.35	141.87	.82	
4/19	11:51: 7	2.5854	5024.67	141.75	.32	
4/19	11:51:30	2.5917	5025.59	141.39	.93	
4/19	11:51:37	2.5938	5025.88	141.27	.29	
4/19	11:52: 0	2.6000	5026.77	140.90	.89	
4/19	11:52: 7	2.6021	5027.07	140.78	.30	
4/19	11:52:30	2.6083	5027.98	140.42	.91	
4/19	11:52:37	2.6104	5028.26	140.30	.27	
4/19	11:52:52	2.6146	5028.86	140.05	.60	
4/19	11:53: 0	2.6167	5029.40	139.93	.54	
4/19	11:53:45	2.6292	5030.01	139.20	.62	
4/19	11:54:30	2.6417	5030.42	138.46	.41	
4/19	11:55: 0	2.6500	5032.70	137.92	2.28	
4/19	11:55:30	2.6583	5046.73	137.39	14.03	RATE #4 - 4 BPM
4/19	11:56: 0	2.6667	5052.07	136.87	5.34	
4/19	11:56:30	2.6750	5053.36	136.33	1.29	
4/19	11:57: 0	2.6833	5058.01	135.80	4.65	
4/19	11:57:30	2.6917	5059.15	135.28	1.14	
4/19	11:58: 0	2.7000	5060.80	134.75	1.65	
4/19	11:58:30	2.7083	5062.58	134.22	1.79	
4/19	11:59: 0	2.7167	5064.36	133.69	1.77	
4/19	11:59:30	2.7250	5066.01	133.16	1.65	
4/19	12: 0: 0	2.7333	5067.83	132.63	1.82	
4/19	12: 0:15	2.7375	5068.72	132.35	.88	
4/19	12: 0:22	2.7396	5069.31	132.20	.59	
4/19	12: 0:30	2.7417	5070.21	132.05	.90	
4/19	12: 0:37	2.7438	5070.53	131.90	.32	
4/19	12: 0:52	2.7479	5071.38	131.61	.85	
4/19	12: 1: 0	2.7500	5071.83	131.46	.45	
4/19	12: 1:45	2.7625	5072.57	130.58	.74	
4/19	12: 2: 7	2.7687	5073.07	130.13	.50	
4/19	12: 2:15	2.7708	5074.32	129.99	1.25	
4/19	12: 2:30	2.7750	5075.23	129.69	.91	
4/19	12: 2:37	2.7771	5075.65	129.54	.42	
4/19	12: 3: 0	2.7833	5076.54	129.08	.89	
4/19	12: 3: 7	2.7854	5076.84	128.94	.30	
4/19	12: 3:30	2.7917	5077.88	128.49	1.04	
4/19	12: 3:37	2.7938	5078.23	128.34	.35	
4/19	12: 3:52	2.7979	5078.99	128.04	.76	
4/19	12: 4: 0	2.8000	5079.62	127.89	.64	
4/19	12: 5: 0	2.8167	5080.46	126.69	.84	
4/19	12: 5:30	2.8250	5082.11	126.11	1.65	
4/19	12: 6: 0	2.8333	5083.94	125.53	1.84	
4/19	12: 6:30	2.8417	5084.89	124.95	.95	
4/19	12: 7: 0	2.8500	5086.04	124.37	1.15	
4/19	12: 8: 0	2.8667	5085.27	123.21	-.77	
4/19	12: 9: 0	2.8833	5086.14	122.05	.87	
4/19	12:10: 0	2.9000	5086.36	120.89	.21	RATE #5 - 5 BPM
4/19	12:10:30	2.9083	5106.64	120.32	20.28	
4/19	12:10:37	2.9104	5107.36	120.17	.72	
4/19	12:10:45	2.9125	5108.71	120.04	1.35	
4/19	12:10:52	2.9146	5110.42	119.90	1.72	
4/19	12:11: 0	2.9167	5110.99	119.76	.56	
4/19	12:11: 7	2.9188	5112.13	119.62	1.14	
4/19	12:11:15	2.9208	5112.62	119.49	.49	
4/19	12:11:22	2.9229	5113.76	119.35	1.14	
4/19	12:11:37	2.9271	5114.69	119.07	.93	
4/19	12:11:45	2.9292	5114.99	118.94	.30	
4/19	12:12:30	2.9417	5115.56	118.11	.58	
4/19	12:12:37	2.9437	5115.71	117.98	.15	
4/19	12:12:45	2.9458	5117.29	117.83	1.58	

WELL NAME : MIDDLE MESA SWD #1

DATE : 04/18/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F126418.RED

Date	Time	Test Time	Pressure	Temp	deltaP	Comment
MM/DD	hh:mm:ss	hhhh.hhhh	Psig	Deg F	Psi	Ga. Press Ref. to 14.7 Psi Atm.
4/19	12:12:52	2.9479	5118.50	117.70	1.20	
4/19	12:13: 0	2.9500	5119.70	117.56	1.20	
4/19	12:13: 7	2.9521	5120.12	117.43	.41	
4/19	12:13:15	2.9542	5121.14	117.29	1.03	
4/19	12:13:22	2.9562	5121.63	117.15	.49	
4/19	12:13:30	2.9583	5122.77	117.01	1.14	
4/19	12:13:37	2.9604	5123.27	116.88	.49	
4/19	12:13:45	2.9625	5124.35	116.74	1.08	
4/19	12:13:52	2.9646	5124.76	116.61	.41	
4/19	12:14: 0	2.9667	5125.65	116.47	.89	
4/19	12:14:15	2.9708	5126.58	116.19	.93	
4/19	12:14:22	2.9729	5127.77	116.06	1.19	
4/19	12:14:30	2.9750	5128.19	115.92	.42	
4/19	12:14:37	2.9771	5129.15	115.78	.96	
4/19	12:14:52	2.9813	5129.92	115.51	.77	
4/19	12:15: 0	2.9833	5130.40	115.37	.47	
4/19	12:15:30	2.9917	5131.10	114.82	.70	
4/19	12:15:37	2.9938	5131.59	114.69	.49	
4/19	12:15:45	2.9958	5132.73	114.56	1.14	
4/19	12:16: 0	3.0000	5133.63	114.28	.90	
4/19	12:16: 7	3.0021	5134.14	114.15	.51	
4/19	12:16:15	3.0042	5134.67	114.01	.53	
4/19	12:16:22	3.0062	5135.24	113.88	.57	
4/19	12:16:30	3.0083	5135.85	113.74	.61	
4/19	12:16:37	3.0104	5136.66	113.61	.80	
4/19	12:16:45	3.0125	5137.60	113.48	.95	
4/19	12:16:52	3.0146	5137.98	113.34	.38	
4/19	12:17: 7	3.0187	5138.91	113.07	.94	
4/19	12:17:15	3.0208	5139.54	112.94	.63	
4/19	12:17:22	3.0229	5140.49	112.82	.94	
4/19	12:17:30	3.0250	5140.85	112.68	.37	
4/19	12:18:15	3.0375	5141.68	111.89	.82	
4/19	12:19: 0	3.0500	5141.55	111.13	-.13	
4/19	12:19:45	3.0625	5141.76	110.39	.21	
4/19	12:20:30	3.0750	5142.28	109.68	.52	
4/19	12:21: 7	3.0854	5143.19	109.08	.90	
4/19	12:21:15	3.0875	5143.39	108.96	.21	
4/19	12:21:22	3.0896	5143.60	108.84	.21	
4/19	12:21:30	3.0917	5144.93	108.73	1.33	
4/19	12:22:15	3.1042	5145.56	108.02	.63	
4/19	12:23: 0	3.1167	5146.05	107.33	.48	
4/19	12:23:30	3.1250	5150.79	106.89	4.74	
4/19	12:24: 0	3.1333	5152.43	106.44	1.64	
4/19	12:24:30	3.1417	5154.61	106.00	2.17	
4/19	12:25: 0	3.1500	5155.37	105.56	.77	
4/19	12:25:30	3.1583	5101.98	105.12	-53.40	
4/19	12:26: 0	3.1667	5084.37	104.68	-17.60	
4/19	12:26:30	3.1750	5075.28	104.24	-9.09	
4/19	12:27: 0	3.1833	5127.68	103.80	52.40	
4/19	12:27:30	3.1917	5147.35	103.36	19.67	
4/19	12:28: 0	3.2000	5152.38	102.91	5.04	
4/19	12:28:30	3.2083	5165.13	102.47	12.75	
4/19	12:28:37	3.2104	5166.06	102.39	.93	
4/19	12:28:45	3.2125	5167.61	102.32	1.55	
4/19	12:28:52	3.2146	5168.89	102.24	1.28	
4/19	12:29: 0	3.2167	5170.04	102.16	1.16	
4/19	12:29: 7	3.2188	5171.56	102.09	1.52	
4/19	12:29:15	3.2208	5172.06	102.01	.50	
4/19	12:29:22	3.2229	5172.82	101.94	.75	
4/19	12:29:30	3.2250	5173.71	101.86	.89	
4/19	12:29:37	3.2271	5174.59	101.79	.88	
4/19	12:29:45	3.2292	5175.79	101.71	1.20	
4/19	12:29:52	3.2313	5176.23	101.63	.44	
4/19	12:30: 0	3.2333	5177.51	101.55	1.28	
4/19	12:30: 7	3.2354	5177.98	101.49	.48	

RATE #6 - 6 BPM

WELL NAME : MIDDLE MESA SWD #1

DATE : 04/18/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F126418.RED

Date	Time	Test Time	Pressure	Temp	deltaP	Comment
MM/DD	hh:mm:ss	hhhh.hhhh	Psig	Deg F	Psi	Ga. Press Ref. to 14.7 Psi Atm.
4/19	12:30:15	3.2375	5179.05	101.42	1.07	
4/19	12:30:30	3.2417	5179.92	101.28	.87	
4/19	12:30:37	3.2438	5180.46	101.21	.55	
4/19	12:30:52	3.2479	5181.52	101.08	1.06	
4/19	12:31: 0	3.2500	5182.02	101.01	.50	
4/19	12:31:15	3.2542	5183.03	100.87	1.01	
4/19	12:31:22	3.2562	5183.57	100.80	.54	
4/19	12:31:37	3.2604	5184.44	100.67	.87	
4/19	12:31:45	3.2625	5184.82	100.61	.39	
4/19	12:32: 0	3.2667	5185.80	100.49	.98	
4/19	12:32: 7	3.2687	5186.28	100.43	.48	
4/19	12:32:22	3.2729	5187.18	100.30	.90	
4/19	12:32:30	3.2750	5187.51	100.24	.34	
4/19	12:32:45	3.2792	5188.40	100.11	.88	
4/19	12:32:52	3.2813	5188.83	100.05	.43	
4/19	12:33: 7	3.2854	5189.62	99.92	.79	
4/19	12:33:15	3.2875	5190.06	99.85	.44	
4/19	12:33:30	3.2917	5190.90	99.72	.84	
4/19	12:33:37	3.2938	5191.34	99.66	.44	
4/19	12:33:52	3.2979	5192.16	99.52	.82	
4/19	12:34: 0	3.3000	5192.55	99.45	.39	
4/19	12:34:15	3.3042	5193.56	99.32	1.01	
4/19	12:34:22	3.3063	5194.13	99.26	.57	
4/19	12:34:30	3.3083	5194.73	99.19	.60	
4/19	12:34:37	3.3104	5195.29	99.13	.56	
4/19	12:34:52	3.3146	5196.33	99.00	1.04	
4/19	12:35: 0	3.3167	5196.87	98.93	.54	
4/19	12:35:15	3.3208	5197.74	98.81	.87	
4/19	12:35:22	3.3229	5198.29	98.75	.56	
4/19	12:36: 7	3.3354	5198.07	98.37	-.22	
4/19	12:36:52	3.3479	5199.05	98.01	.97	
4/19	12:37:22	3.3563	5199.38	97.77	.34	
4/19	12:37:30	3.3583	5200.42	97.71	1.04	
4/19	12:38: 0	3.3667	5201.51	97.47	1.09	
4/19	12:38:30	3.3750	5203.23	97.15	1.71	
4/19	12:39: 0	3.3833	5205.29	96.84	2.06	
4/19	12:40: 0	3.4000	5205.46	96.22	.17	RATE #7 - 7 BPM
4/19	12:40:30	3.4083	5125.63	95.91	-79.83	
4/19	12:41: 0	3.4167	5093.17	95.60	-32.47	
4/19	12:41:30	3.4250	5073.51	95.29	-19.65	
4/19	12:42: 0	3.4333	5154.69	94.98	81.18	
4/19	12:42:30	3.4417	5183.07	94.66	28.38	
4/19	12:43: 0	3.4500	5198.63	94.36	15.55	
4/19	12:43:30	3.4583	5205.13	94.04	6.50	
4/19	12:44: 0	3.4667	5210.99	93.82	5.86	
4/19	12:44:30	3.4750	5215.67	93.68	4.69	
4/19	12:45: 0	3.4833	5219.30	93.55	3.63	
4/19	12:45:30	3.4917	5224.27	93.41	4.97	
4/19	12:46: 0	3.5000	5227.10	93.27	2.83	
4/19	12:46:30	3.5083	5229.93	93.13	2.83	
4/19	12:47: 0	3.5167	5231.22	92.99	1.29	
4/19	12:47:30	3.5250	5233.38	92.86	2.15	
4/19	12:48: 0	3.5333	5235.25	92.72	1.88	
4/19	12:48:30	3.5417	5237.30	92.58	2.04	
4/19	12:49: 0	3.5500	5239.45	92.44	2.16	
4/19	12:49:30	3.5583	5242.04	92.31	2.58	
4/19	12:49:45	3.5625	5243.12	92.23	1.08	
4/19	12:49:52	3.5646	5243.95	92.20	.83	
4/19	12:50:15	3.5708	5244.87	92.09	.91	
4/19	12:50:22	3.5729	5245.24	92.04	.38	
4/19	12:50:37	3.5771	5246.03	91.97	.79	
4/19	12:50:45	3.5792	5246.43	91.93	.40	
4/19	12:51: 0	3.5833	5247.23	91.86	.80	
4/19	12:51: 7	3.5854	5247.64	91.82	.40	
4/19	12:51:22	3.5896	5248.37	91.72	.73	

WELL NAME : MIDDLE MESA SWD #1

DATE : 04/18/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F126418.RED

Date	Time	Test Time	Pressure	Temp	deltaP	Comment
MM/DD	hh:mm:ss	hhhh.hhhh	Psig	Deg F	Psi	Ga. Press Ref. to 14.7 Psi Atm.
4/19	12:51:30	3.5917	5248.78	91.68	.41	
4/19	12:51:45	3.5958	5249.57	91.59	.80	
4/19	12:51:52	3.5979	5250.00	91.55	.42	
4/19	12:52: 7	3.6021	5250.79	91.46	.79	
4/19	12:52:15	3.6042	5251.25	91.42	.45	
4/19	12:52:30	3.6083	5252.17	91.33	.92	
4/19	12:52:37	3.6104	5252.58	91.28	.42	
4/19	12:53: 0	3.6167	5253.63	91.11	1.04	
4/19	12:53: 7	3.6188	5253.98	91.05	.35	
4/19	12:53:22	3.6229	5254.82	90.95	.84	
4/19	12:53:30	3.6250	5255.28	90.89	.46	
4/19	12:53:45	3.6292	5256.16	90.78	.88	
4/19	12:53:52	3.6312	5256.44	90.73	.28	
4/19	12:54:37	3.6437	5256.69	90.36	.25	
4/19	12:54:45	3.6458	5257.30	90.30	.60	
4/19	12:54:52	3.6479	5257.83	90.23	.54	
4/19	12:55: 0	3.6500	5258.58	90.17	.75	RATE #8 - 8 BPM
4/19	12:55: 7	3.6521	5265.99	90.11	7.41	
4/19	12:55:15	3.6542	5266.63	90.04	.65	
4/19	12:55:22	3.6563	5267.91	89.98	1.28	
4/19	12:55:30	3.6583	5269.55	89.92	1.64	
4/19	12:55:37	3.6604	5270.05	89.84	.50	
4/19	12:55:45	3.6625	5270.95	89.77	.90	
4/19	12:55:52	3.6646	5272.10	89.70	1.15	
4/19	12:56: 0	3.6667	5273.11	89.63	1.01	
4/19	12:56: 7	3.6688	5274.31	89.56	1.20	
4/19	12:56:15	3.6708	5274.73	89.49	.43	
4/19	12:56:22	3.6729	5276.01	89.42	1.27	
4/19	12:56:37	3.6771	5276.82	89.28	.81	
4/19	12:56:45	3.6792	5277.46	89.21	.65	
4/19	12:56:52	3.6813	5278.53	89.14	1.07	
4/19	12:57: 0	3.6833	5278.91	89.07	.38	
4/19	12:57:15	3.6875	5279.96	88.93	1.04	
4/19	12:57:22	3.6896	5280.51	88.86	.55	
4/19	12:57:37	3.6937	5281.41	88.72	.90	
4/19	12:57:45	3.6958	5281.82	88.65	.41	
4/19	12:58: 0	3.7000	5282.73	88.52	.91	
4/19	12:58: 7	3.7021	5283.20	88.45	.47	
4/19	12:58:22	3.7062	5284.16	88.31	.96	
4/19	12:58:30	3.7083	5284.64	88.24	.47	
4/19	12:58:45	3.7125	5285.55	88.12	.91	
4/19	12:58:52	3.7146	5285.96	88.06	.42	
4/19	12:59: 7	3.7188	5286.84	87.94	.88	
4/19	12:59:15	3.7208	5287.25	87.88	.42	
4/19	12:59:30	3.7250	5287.66	87.75	.40	
4/19	12:59:37	3.7271	5285.58	87.69	-2.08	
4/19	13: 0: 0	3.7333	5284.76	87.51	-.82	
4/19	13: 0: 7	3.7354	5283.88	87.45	-.88	
4/19	13: 0:52	3.7479	5283.04	87.12	-.84	
4/19	13: 2: 0	3.7667	5283.21	86.64	.17	
4/19	13: 3: 0	3.7833	5283.48	86.21	.27	
4/19	13: 3:30	3.7917	5285.08	85.98	1.60	
4/19	13: 4: 0	3.8000	5285.87	85.77	.79	
4/19	13: 4:30	3.8083	5286.50	85.55	.63	
4/19	13: 5:30	3.8250	5286.93	85.12	.43	
4/19	13: 6:30	3.8417	5287.15	84.67	.22	
4/19	13: 7:30	3.8583	5287.44	84.24	.29	
4/19	13: 7:37	3.8604	5288.91	84.20	1.47	
4/19	13: 8: 7	3.8688	5290.00	84.01	1.09	
4/19	13: 8:15	3.8708	5290.04	83.96	.04	
4/19	13: 8:45	3.8792	5291.12	83.76	1.07	
4/19	13: 8:52	3.8812	5291.17	83.71	.05	
4/19	13: 9:15	3.8875	5292.08	83.58	.91	
4/19	13: 9:22	3.8896	5292.47	83.54	.39	
4/19	13:10: 0	3.9000	5293.20	83.33	.73	RATE #9 - 9 BPM

WELL NAME : MIDDLE MESA SWD #1

DATE : 04/18/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F126418.RED

Date	Time	Test Time	Pressure	Temp	deltaP	Comment
MM/DD	hh:mm:ss	hhhh.hhhh	Psig	Deg F	Psi	Ga. Press Ref. to 14.7 Psi Atm.
4/19	13:10: 7	3.9021	5296.85	83.29	3.66	
4/19	13:10:15	3.9042	5299.31	83.25	2.46	
4/19	13:10:22	3.9063	5299.92	83.21	.61	
4/19	13:10:30	3.9083	5301.18	83.17	1.26	
4/19	13:10:37	3.9104	5302.58	83.12	1.40	
4/19	13:10:45	3.9125	5303.80	83.10	1.22	
4/19	13:10:52	3.9146	5304.92	83.06	1.12	
4/19	13:11: 0	3.9167	5306.16	83.03	1.25	
4/19	13:11: 7	3.9188	5307.57	83.00	1.40	
4/19	13:11:15	3.9208	5307.95	82.97	.38	
4/19	13:11:22	3.9229	5308.98	82.94	1.03	
4/19	13:11:37	3.9271	5309.76	82.87	.79	
4/19	13:11:45	3.9292	5310.26	82.85	.50	
4/19	13:12: 0	3.9333	5311.33	82.78	1.07	
4/19	13:12: 7	3.9354	5311.80	82.75	.46	
4/19	13:12:22	3.9396	5312.70	82.70	.90	
4/19	13:12:30	3.9417	5313.18	82.67	.48	
4/19	13:12:45	3.9458	5314.21	82.62	1.03	
4/19	13:12:52	3.9479	5314.67	82.60	.46	
4/19	13:13: 7	3.9521	5315.55	82.54	.87	
4/19	13:13:15	3.9542	5315.93	82.51	.38	
4/19	13:13:30	3.9583	5316.84	82.46	.91	
4/19	13:13:37	3.9604	5317.25	82.43	.42	
4/19	13:13:52	3.9646	5318.05	82.39	.80	
4/19	13:14: 0	3.9667	5318.47	82.37	.42	
4/19	13:14:15	3.9708	5319.31	82.32	.84	
4/19	13:14:22	3.9729	5319.73	82.29	.41	
4/19	13:14:45	3.9792	5320.79	82.22	1.06	
4/19	13:14:52	3.9813	5321.12	82.19	.33	
4/19	13:15:15	3.9875	5322.15	82.12	1.03	
4/19	13:15:22	3.9896	5322.74	82.10	.59	
4/19	13:15:37	3.9938	5323.54	82.05	.80	
4/19	13:15:45	3.9958	5323.84	82.03	.30	
4/19	13:16:15	4.0042	5324.89	81.93	1.05	
4/19	13:16:22	4.0062	5325.19	81.91	.31	
4/19	13:16:45	4.0125	5326.01	81.83	.82	
4/19	13:16:52	4.0146	5326.38	81.81	.37	
4/19	13:17:15	4.0208	5327.01	81.74	.63	
4/19	13:17:22	4.0229	5327.49	81.71	.48	
4/19	13:17:45	4.0292	5328.50	81.64	1.01	
4/19	13:17:52	4.0313	5328.85	81.62	.35	
4/19	13:18:22	4.0396	5329.77	81.53	.91	
4/19	13:18:30	4.0417	5330.19	81.50	.42	
4/19	13:19: 0	4.0500	5330.94	81.40	.75	
4/19	13:19: 7	4.0521	5331.43	81.37	.49	
4/19	13:19:37	4.0604	5332.37	81.28	.95	
4/19	13:19:45	4.0625	5332.84	81.25	.47	
4/19	13:20:30	4.0750	5333.94	81.11	1.09	
4/19	13:21: 7	4.0854	5334.96	80.99	1.03	
4/19	13:21:15	4.0875	5335.31	80.97	.35	
4/19	13:22: 0	4.1000	5335.66	80.83	.35	
4/19	13:22:22	4.1062	5336.58	80.76	.92	
4/19	13:22:30	4.1083	5336.78	80.74	.20	
4/19	13:23: 0	4.1167	5337.47	80.66	.69	
4/19	13:23:30	4.1250	5338.44	80.57	.97	
4/19	13:24: 0	4.1333	5339.39	80.50	.95	
4/19	13:24:30	4.1417	5339.78	80.42	.39	
4/19	13:25: 0	4.1500	5340.46	80.34	.68	
4/19	13:25:30	4.1583	5349.10	80.26	8.65	
4/19	13:26: 0	4.1667	5353.22	80.18	4.11	
4/19	13:26:30	4.1750	5355.98	80.11	2.76	
4/19	13:27: 0	4.1833	5356.92	80.03	.94	
4/19	13:27:30	4.1917	5358.34	79.95	1.42	
4/19	13:28: 0	4.2000	5360.07	79.87	1.73	
4/19	13:28:30	4.2083	5362.53	79.79	2.46	

RATE #10 - 10 BPM

WELL NAME : MIDDLE MESA SWD #1

DATE : 04/18/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F126418.RED

Date MM/DD	Time hh:mm:ss	Test Time hhhh.hhhh	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
4/19	13:28:45	4.2125	5363.28	79.78	.75	
4/19	13:28:52	4.2146	5363.89	79.77	.61	
4/19	13:29: 0	4.2167	5364.85	79.75	.95	
4/19	13:29: 7	4.2188	5365.03	79.75	.19	
4/19	13:29:30	4.2250	5365.94	79.72	.90	
4/19	13:29:37	4.2271	5366.28	79.71	.34	
4/19	13:29:52	4.2312	5367.04	79.69	.76	
4/19	13:30: 0	4.2333	5367.50	79.68	.45	
4/19	13:30:15	4.2375	5368.33	79.67	.83	
4/19	13:30:22	4.2396	5368.75	79.66	.42	
4/19	13:30:37	4.2438	5369.65	79.66	.90	
4/19	13:30:45	4.2458	5370.05	79.65	.41	
4/19	13:31: 0	4.2500	5370.81	79.64	.75	
4/19	13:31: 7	4.2521	5371.20	79.64	.39	
4/19	13:31:22	4.2562	5372.00	79.63	.80	
4/19	13:31:30	4.2583	5372.45	79.62	.45	
4/19	13:31:45	4.2625	5373.33	79.62	.88	
4/19	13:31:52	4.2646	5373.71	79.62	.38	
4/19	13:32:22	4.2729	5374.60	79.61	.89	
4/19	13:32:30	4.2750	5374.98	79.60	.38	
4/19	13:32:52	4.2813	5375.91	79.60	.93	
4/19	13:33: 0	4.2833	5376.25	79.59	.35	
4/19	13:33:22	4.2896	5377.20	79.58	.94	
4/19	13:33:30	4.2917	5377.48	79.58	.28	
4/19	13:34: 0	4.3000	5378.18	79.56	.70	
4/19	13:34: 7	4.3021	5378.63	79.55	.45	
4/19	13:34:37	4.3104	5379.63	79.55	1.00	
4/19	13:34:45	4.3125	5380.05	79.54	.42	
4/19	13:35:30	4.3250	5380.80	79.51	.75	
4/19	13:36:15	4.3375	5381.29	79.48	.49	
4/19	13:37: 0	4.3500	5382.36	79.42	1.07	
4/19	13:37:22	4.3562	5383.30	79.39	.94	
4/19	13:37:30	4.3583	5383.61	79.39	.31	
4/19	13:38: 7	4.3688	5384.56	79.32	.95	
4/19	13:38:15	4.3708	5384.77	79.30	.21	
4/19	13:38:37	4.3771	5385.80	79.27	1.03	
4/19	13:38:45	4.3792	5386.13	79.26	.33	
4/19	13:39:30	4.3917	5387.15	79.21	1.02	
4/19	13:40: 7	4.4021	5387.54	79.16	.39	RATE #11 - 11 BPM
4/19	13:40:15	4.4042	5391.13	79.15	3.59	
4/19	13:40:22	4.4063	5394.63	79.14	3.50	
4/19	13:40:30	4.4083	5395.21	79.13	.58	
4/19	13:40:37	4.4104	5396.28	79.13	1.07	
4/19	13:40:45	4.4125	5397.22	79.12	.94	
4/19	13:40:52	4.4146	5398.02	79.12	.80	
4/19	13:41: 0	4.4167	5398.85	79.10	.83	
4/19	13:41: 7	4.4187	5400.17	79.10	1.32	
4/19	13:41:22	4.4229	5401.15	79.07	.98	
4/19	13:41:30	4.4250	5402.15	79.07	.99	
4/19	13:41:45	4.4292	5402.88	79.05	.73	
4/19	13:41:52	4.4313	5403.37	79.04	.49	
4/19	13:42:15	4.4375	5404.43	79.01	1.06	
4/19	13:42:22	4.4396	5404.74	79.00	.31	
4/19	13:42:37	4.4437	5405.55	78.99	.82	
4/19	13:42:45	4.4458	5405.91	78.98	.36	
4/19	13:43:15	4.4542	5406.73	78.96	.82	
4/19	13:43:22	4.4563	5407.11	78.95	.38	
4/19	13:43:45	4.4625	5408.15	78.93	1.03	
4/19	13:43:52	4.4646	5408.38	78.92	.23	
4/19	13:44:22	4.4729	5409.36	78.89	.98	
4/19	13:44:30	4.4750	5409.72	78.88	.36	
4/19	13:44:52	4.4812	5410.57	78.85	.85	
4/19	13:45: 0	4.4833	5410.92	78.84	.34	
4/19	13:45:15	4.4875	5411.60	78.82	.69	
4/19	13:45:22	4.4896	5412.01	78.82	.41	

WELL NAME : MIDDLE MESA SWD #1

DATE : 04/18/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F126418.RED

Date MM/DD	Time hh:mm:ss	Test Time hhhh.hhhh	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
4/19	13:45:37	4.4938	5412.78	78.80	.76	
4/19	13:45:45	4.4958	5413.15	78.79	.37	
4/19	13:46: 0	4.5000	5413.97	78.78	.82	
4/19	13:46: 7	4.5021	5414.31	78.76	.34	
4/19	13:46:22	4.5062	5415.04	78.75	.74	
4/19	13:46:30	4.5083	5415.51	78.73	.46	
4/19	13:46:52	4.5146	5416.54	78.71	1.03	
4/19	13:47: 0	4.5167	5416.83	78.71	.28	
4/19	13:47:22	4.5229	5417.76	78.68	.93	
4/19	13:47:30	4.5250	5418.02	78.67	.26	
4/19	13:48:15	4.5375	5418.37	78.62	.35	
4/19	13:48:37	4.5437	5419.44	78.60	1.07	
4/19	13:48:45	4.5458	5419.79	78.59	.34	
4/19	13:49: 7	4.5521	5420.73	78.57	.94	
4/19	13:49:15	4.5542	5421.02	78.56	.29	
4/19	13:49:37	4.5604	5421.84	78.55	.82	
4/19	13:49:45	4.5625	5422.12	78.54	.28	
4/19	13:50:22	4.5729	5423.00	78.50	.89	
4/19	13:50:30	4.5750	5423.40	78.50	.39	
4/19	13:50:52	4.5813	5424.14	78.48	.75	
4/19	13:51: 0	4.5833	5424.63	78.47	.48	
4/19	13:51:22	4.5896	5425.71	78.45	1.08	
4/19	13:51:30	4.5917	5426.10	78.44	.39	
4/19	13:51:45	4.5958	5426.81	78.43	.71	
4/19	13:51:52	4.5979	5427.19	78.42	.39	
4/19	13:52:15	4.6042	5428.17	78.40	.97	
4/19	13:52:22	4.6062	5428.46	78.39	.29	
4/19	13:53: 7	4.6188	5428.81	78.36	.35	
4/19	13:53:30	4.6250	5429.69	78.34	.88	
4/19	13:53:37	4.6271	5430.22	78.33	.52	
4/19	13:54:22	4.6396	5431.18	78.30	.97	
4/19	13:55: 0	4.6500	5432.02	78.27	.84	
4/19	13:55: 7	4.6521	5433.08	78.26	1.05	
4/19	13:55:15	4.6542	5434.07	78.25	.99	
4/19	13:55:22	4.6563	5434.27	78.25	.20	
4/19	13:55:30	4.6583	5434.84	78.25	.57	
4/19	13:55:37	4.6604	5436.22	78.23	1.38	
4/19	13:55:45	4.6625	5438.12	78.22	1.90	
4/19	13:55:52	4.6646	5439.71	78.21	1.59	
4/19	13:56: 0	4.6667	5441.17	78.20	1.46	
4/19	13:56:15	4.6708	5441.83	78.19	.66	
4/19	13:56:22	4.6729	5442.42	78.17	.59	
4/19	13:56:30	4.6750	5443.35	78.17	.93	
4/19	13:56:37	4.6771	5443.59	78.16	.23	
4/19	13:56:52	4.6813	5444.40	78.14	.81	
4/19	13:57: 0	4.6833	5444.90	78.13	.50	
4/19	13:57:15	4.6875	5445.74	78.10	.84	
4/19	13:57:22	4.6896	5446.14	78.08	.40	
4/19	13:57:37	4.6937	5446.90	78.05	.76	
4/19	13:57:45	4.6958	5447.25	78.04	.34	
4/19	13:58: 7	4.7021	5448.21	78.00	.96	
4/19	13:58:15	4.7042	5448.55	77.99	.34	
4/19	13:58:37	4.7104	5449.60	77.94	1.06	
4/19	13:58:45	4.7125	5449.91	77.92	.31	
4/19	13:59:22	4.7229	5450.83	77.85	.92	
4/19	13:59:30	4.7250	5451.36	77.84	.53	
4/19	13:59:52	4.7312	5452.28	77.80	.92	
4/19	14: 0: 0	4.7333	5452.77	77.78	.50	
4/19	14: 0:22	4.7396	5453.80	77.74	1.03	
4/19	14: 0:30	4.7417	5454.13	77.73	.33	
4/19	14: 1:15	4.7542	5455.20	77.66	1.08	
4/19	14: 1:52	4.7646	5456.22	77.60	1.02	
4/19	14: 2: 0	4.7667	5456.36	77.60	.14	
4/19	14: 2:45	4.7792	5457.38	77.53	1.01	
4/19	14: 3:30	4.7917	5457.92	77.48	.55	

RATE #12 - 12 BPM

WELL NAME : MIDDLE MESA SWD #1

DATE : 04/18/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F126418.RED

Date MM/DD	Time hh:mm:ss	Test Time hhhh.hhhh	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
4/19	14: 4:30	4.8083	5458.88	77.43	.96	
4/19	14: 5: 0	4.8167	5459.68	77.41	.80	
4/19	14: 5:30	4.8250	5460.39	77.38	.71	
4/19	14: 6: 0	4.8333	5461.22	77.36	.83	
4/19	14: 6:30	4.8417	5462.37	77.34	1.14	
4/19	14: 7:30	4.8583	5463.13	77.29	.77	
4/19	14: 8: 0	4.8667	5463.87	77.27	.73	
4/19	14: 8:30	4.8750	5464.63	77.25	.76	
4/19	14: 9:15	4.8875	5464.59	77.21	-.04	
4/19	14:10: 0	4.9000	5464.61	77.20	.01	
4/19	14:10: 7	4.9021	5396.37	77.20	-68.24	RATE #13 - 12.9 BPM PRESSURE FALL-OFF
4/19	14:10:15	4.9042	5384.04	77.19	-12.32	
4/19	14:10:22	4.9063	5371.71	77.19	-12.33	
4/19	14:10:30	4.9083	5360.99	77.19	-10.73	
4/19	14:10:37	4.9104	5351.33	77.19	-9.65	
4/19	14:10:45	4.9125	5341.97	77.17	-9.36	
4/19	14:10:52	4.9146	5333.41	77.16	-8.57	
4/19	14:11: 0	4.9167	5325.11	77.15	-8.30	
4/19	14:11: 7	4.9187	5317.62	77.13	-7.48	
4/19	14:11:15	4.9208	5311.20	77.12	-6.42	
4/19	14:11:22	4.9229	5305.32	77.10	-5.88	
4/19	14:11:30	4.9250	5299.44	77.09	-5.89	
4/19	14:11:37	4.9271	5294.35	77.08	-5.08	
4/19	14:11:45	4.9292	5289.28	77.06	-5.07	
4/19	14:11:52	4.9313	5285.00	77.05	-4.28	
4/19	14:12: 0	4.9333	5280.74	77.04	-4.27	
4/19	14:12: 7	4.9354	5276.74	77.01	-4.00	
4/19	14:12:15	4.9375	5273.01	76.99	-3.73	
4/19	14:12:22	4.9396	5269.00	76.98	-4.01	
4/19	14:12:30	4.9417	5265.80	76.96	-3.19	
4/19	14:12:37	4.9437	5262.61	76.94	-3.20	
4/19	14:12:45	4.9458	5259.41	76.92	-3.19	
4/19	14:12:52	4.9479	5256.48	76.91	-2.94	
4/19	14:13: 0	4.9500	5253.82	76.89	-2.66	
4/19	14:13: 7	4.9521	5251.15	76.88	-2.67	
4/19	14:13:15	4.9542	5248.77	76.85	-2.38	
4/19	14:13:22	4.9563	5247.64	76.84	-1.13	
4/19	14:13:30	4.9583	5245.52	76.82	-2.12	
4/19	14:13:37	4.9604	5243.39	76.81	-2.13	
4/19	14:13:45	4.9625	5241.53	76.81	-1.86	
4/19	14:13:52	4.9646	5239.65	76.80	-1.88	
4/19	14:14: 0	4.9667	5237.81	76.79	-1.84	
4/19	14:14: 7	4.9688	5236.20	76.78	-1.61	
4/19	14:14:15	4.9708	5234.46	76.77	-1.74	
4/19	14:14:22	4.9729	5232.88	76.76	-1.58	
4/19	14:14:30	4.9750	5231.41	76.75	-1.47	
4/19	14:14:37	4.9771	5229.95	76.74	-1.45	
4/19	14:14:45	4.9792	5228.48	76.73	-1.47	
4/19	14:14:52	4.9812	5227.17	76.72	-1.31	
4/19	14:15: 0	4.9833	5225.95	76.72	-1.21	
4/19	14:15: 7	4.9854	5224.76	76.71	-1.19	
4/19	14:15:15	4.9875	5223.55	76.71	-1.21	
4/19	14:15:22	4.9896	5222.20	76.72	-1.35	
4/19	14:15:30	4.9917	5221.14	76.72	-1.06	
4/19	14:15:37	4.9938	5220.05	76.72	-1.09	
4/19	14:15:45	4.9958	5219.00	76.72	-1.06	
4/19	14:15:52	4.9979	5218.18	76.73	-.81	
4/19	14:16: 0	5.0000	5217.23	76.73	-.95	
4/19	14:16: 7	5.0021	5216.29	76.74	-.94	
4/19	14:16:15	5.0042	5215.49	76.74	-.80	
4/19	14:16:22	5.0062	5214.68	76.74	-.80	
4/19	14:16:30	5.0083	5213.74	76.74	-.95	
4/19	14:16:37	5.0104	5212.48	76.75	-1.26	
4/19	14:16:45	5.0125	5212.11	76.77	-.37	
4/19	14:16:52	5.0146	5211.16	76.79	-.95	

WELL NAME : MIDDLE MESA SWD #1

DATE : 04/18/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F126418.RED

Date	Time	Test Time	Pressure	Temp	deltaP	Comment
MM/DD	hh:mm:ss	hhhh.hhhh	Psig	Deg F	Psi	Ga. Press Ref. to 14.7 Psi Atm.
4/19	14:17: 0	5.0167	5210.87	76.81	-.29	
4/19	14:17: 7	5.0188	5209.98	76.83	-.89	
4/19	14:17:22	5.0229	5209.22	76.86	-.76	
4/19	14:17:30	5.0250	5208.72	76.88	-.49	
4/19	14:17:45	5.0292	5207.68	76.92	-1.04	
4/19	14:17:52	5.0313	5206.97	76.94	-.72	
4/19	14:18: 7	5.0354	5205.88	76.98	-1.09	
4/19	14:18:15	5.0375	5205.53	77.01	-.35	
4/19	14:18:30	5.0417	5204.72	77.07	-.81	
4/19	14:18:37	5.0437	5204.33	77.10	-.40	
4/19	14:19: 0	5.0500	5203.34	77.19	-.98	
4/19	14:19: 7	5.0521	5203.02	77.21	-.32	
4/19	14:19:22	5.0563	5202.23	77.28	-.79	
4/19	14:19:30	5.0583	5201.90	77.31	-.33	
4/19	14:19:45	5.0625	5201.20	77.39	-.70	
4/19	14:19:52	5.0646	5200.79	77.44	-.41	
4/19	14:20: 7	5.0687	5200.03	77.54	-.76	
4/19	14:20:15	5.0708	5199.69	77.59	-.34	
4/19	14:20:37	5.0771	5198.71	77.74	-.99	
4/19	14:20:45	5.0792	5198.36	77.78	-.35	
4/19	14:21: 7	5.0854	5197.32	77.95	-1.04	
4/19	14:21:15	5.0875	5196.91	78.05	-.41	
4/19	14:21:30	5.0917	5196.19	78.25	-.71	
4/19	14:21:37	5.0938	5195.70	78.35	-.49	
4/19	14:21:52	5.0979	5194.83	78.55	-.87	
4/19	14:22: 0	5.1000	5194.37	78.64	-.46	
4/19	14:22:15	5.1042	5193.47	78.85	-.90	
4/19	14:22:22	5.1062	5193.09	78.94	-.39	
4/19	14:22:37	5.1104	5192.29	79.16	-.80	
4/19	14:22:45	5.1125	5191.86	79.30	-.43	
4/19	14:23: 7	5.1188	5191.38	79.69	-.48	
4/19	14:23:15	5.1208	5190.74	79.82	-.64	
4/19	14:23:37	5.1271	5189.77	80.22	-.97	
4/19	14:23:45	5.1292	5189.46	80.35	-.32	
4/19	14:24:22	5.1396	5188.39	81.01	-1.07	
4/19	14:24:30	5.1417	5188.28	81.14	-.11	
4/19	14:25:15	5.1542	5187.23	81.93	-1.05	
4/19	14:25:22	5.1563	5187.01	82.07	-.22	
4/19	14:25:30	5.1583	5185.66	82.19	-1.36	
4/19	14:26: 0	5.1667	5184.96	82.68	-.69	
4/19	14:26:30	5.1750	5183.66	82.89	-1.31	INSTRUMENT OFF BOTTOM
4/19	14:27: 0	5.1833	5152.77	83.12	-30.88	
4/19	14:27:30	5.1917	5120.68	83.34	-32.09	
4/19	14:28: 0	5.2000	5093.67	83.56	-27.01	
4/19	14:28:30	5.2083	5051.95	83.78	-41.72	
4/19	14:29: 0	5.2167	5005.68	84.01	-46.27	
4/19	14:29:30	5.2250	4960.23	84.23	-45.45	
4/19	14:30: 0	5.2333	4913.98	84.45	-46.25	
4/19	14:30:30	5.2417	4862.92	84.67	-51.06	
4/19	14:31: 0	5.2500	4811.86	84.90	-51.06	
4/19	14:31:30	5.2583	4763.77	85.11	-48.09	
4/19	14:31:37	5.2604	4750.95	85.09	-12.82	
4/19	14:31:45	5.2625	4736.18	85.15	-14.77	
4/19	14:31:52	5.2646	4720.35	85.20	-15.83	
4/19	14:32: 0	5.2667	4703.98	85.26	-16.37	
4/19	14:32: 7	5.2688	4687.35	85.31	-16.63	
4/19	14:32:15	5.2708	4670.18	85.37	-17.17	
4/19	14:32:22	5.2729	4651.67	85.43	-18.51	
4/19	14:32:30	5.2750	4633.17	85.48	-18.50	
4/19	14:32:37	5.2771	4614.66	85.54	-18.51	
4/19	14:32:45	5.2792	4596.43	85.59	-18.23	
4/19	14:32:52	5.2813	4577.92	85.65	-18.51	
4/19	14:33: 0	5.2833	4559.69	85.70	-18.23	
4/19	14:33: 7	5.2854	4541.72	85.76	-17.97	
4/19	14:33:15	5.2875	4523.49	85.81	-18.23	

WELL NAME : MIDDLE MESA SWD #1

DATE : 04/18/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F126418.RED

Date MM/DD	Time hh:mm:ss	Test Time hhhh.hhhh	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
4/19	14:33:22	5.2896	4505.00	85.86	-18.50	
4/19	14:33:30	5.2917	4486.51	85.90	-18.48	
4/19	14:33:37	5.2937	4468.29	85.95	-18.23	
4/19	14:33:45	5.2958	4449.53	86.00	-18.76	
4/19	14:33:52	5.2979	4430.51	86.04	-19.02	
4/19	14:34: 0	5.3000	4412.02	86.09	-18.49	
4/19	14:34: 7	5.3021	4392.73	86.14	-19.29	
4/19	14:34:15	5.3042	4373.98	86.18	-18.75	
4/19	14:34:22	5.3063	4354.96	86.23	-19.02	
4/19	14:34:30	5.3083	4335.67	86.28	-19.28	
4/19	14:34:37	5.3104	4315.87	86.30	-19.80	
4/19	14:34:45	5.3125	4296.38	86.28	-19.49	
4/19	14:34:52	5.3146	4276.87	86.27	-19.50	
4/19	14:35: 0	5.3167	4257.11	86.25	-19.76	
4/19	14:35: 7	5.3187	4237.35	86.24	-19.77	
4/19	14:35:15	5.3208	4217.84	86.23	-19.50	
4/19	14:35:22	5.3229	4198.07	86.22	-19.77	
4/19	14:35:30	5.3250	4178.31	86.21	-19.77	
4/19	14:35:37	5.3271	4158.81	86.19	-19.49	
4/19	14:35:45	5.3292	4139.04	86.18	-19.77	
4/19	14:35:52	5.3313	4119.29	86.16	-19.76	
4/19	14:36: 0	5.3333	4099.25	86.15	-20.04	
4/19	14:36: 7	5.3354	4079.51	86.11	-19.74	
4/19	14:36:15	5.3375	4059.51	86.05	-19.99	
4/19	14:36:22	5.3396	4039.51	86.00	-20.00	
4/19	14:36:30	5.3417	4019.52	85.94	-19.99	
4/19	14:36:37	5.3438	3999.26	85.89	-20.26	
4/19	14:36:45	5.3458	3979.25	85.83	-20.00	
4/19	14:36:52	5.3479	3958.99	85.77	-20.26	
4/19	14:37: 0	5.3500	3939.00	85.71	-20.00	
4/19	14:37: 7	5.3521	3918.72	85.65	-20.27	
4/19	14:37:15	5.3542	3898.46	85.60	-20.26	
4/19	14:37:22	5.3562	3878.20	85.54	-20.26	
4/19	14:37:30	5.3583	3857.93	85.49	-20.27	
4/19	14:37:37	5.3604	3837.41	85.41	-20.52	
4/19	14:37:45	5.3625	3817.16	85.33	-20.25	
4/19	14:37:52	5.3646	3796.65	85.24	-20.51	
4/19	14:38: 0	5.3667	3776.41	85.15	-20.24	
4/19	14:38: 7	5.3688	3755.63	85.06	-20.78	
4/19	14:38:15	5.3708	3735.12	84.97	-20.51	
4/19	14:38:22	5.3729	3714.34	84.88	-20.78	
4/19	14:38:30	5.3750	3693.56	84.79	-20.78	
4/19	14:38:37	5.3771	3673.03	84.71	-20.52	
4/19	14:38:45	5.3792	3652.52	84.62	-20.51	
4/19	14:38:52	5.3812	3631.74	84.53	-20.78	
4/19	14:39: 0	5.3833	3610.96	84.44	-20.78	
4/19	14:39: 7	5.3854	3589.92	84.33	-21.04	
4/19	14:39:15	5.3875	3569.16	84.20	-20.76	
4/19	14:39:22	5.3896	3548.40	84.08	-20.76	
4/19	14:39:30	5.3917	3527.37	83.95	-21.03	
4/19	14:39:37	5.3938	3506.08	83.82	-21.30	
4/19	14:39:45	5.3958	3485.05	83.69	-21.03	
4/19	14:39:52	5.3979	3463.48	83.57	-21.57	
4/19	14:40: 0	5.4000	3442.45	83.44	-21.03	
4/19	14:40: 7	5.4021	3421.15	83.31	-21.30	
4/19	14:40:15	5.4042	3399.57	83.19	-21.57	
4/19	14:40:22	5.4063	3378.00	83.06	-21.57	
4/19	14:40:30	5.4083	3355.90	82.93	-22.10	
4/19	14:40:37	5.4104	3333.79	82.80	-22.11	
4/19	14:40:45	5.4125	3311.97	82.65	-21.83	
4/19	14:40:52	5.4146	3289.87	82.50	-22.10	
4/19	14:41: 0	5.4167	3267.77	82.35	-22.10	
4/19	14:41: 7	5.4187	3245.15	82.19	-22.63	
4/19	14:41:15	5.4208	3222.78	82.04	-22.37	
4/19	14:41:22	5.4229	3199.87	81.89	-22.90	

WELL NAME : MIDDLE MESA SWD #1

DATE : 04/18/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F126418.RED

Date MM/DD	Time hh:mm:ss	Test Time hhhh.hhhh	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
4/19	14:41:30	5.4250	3177.24	81.73	-22.63	
4/19	14:41:37	5.4271	3155.14	81.58	-22.10	
4/19	14:41:45	5.4292	3132.50	81.43	-22.64	
4/19	14:41:52	5.4313	3110.12	81.28	-22.38	
4/19	14:42:00	5.4333	3087.75	81.12	-22.37	
4/19	14:42:07	5.4354	3065.38	80.96	-22.37	
4/19	14:42:15	5.4375	3042.21	80.78	-23.17	
4/19	14:42:22	5.4396	3019.31	80.60	-22.90	
4/19	14:42:30	5.4417	2996.67	80.43	-22.64	
4/19	14:42:37	5.4437	2973.50	80.25	-23.17	
4/19	14:42:45	5.4458	2950.87	80.07	-22.64	
4/19	14:42:52	5.4479	2927.95	79.90	-22.91	
4/19	14:43:00	5.4500	2904.77	79.73	-23.18	
4/19	14:43:07	5.4521	2881.59	79.55	-23.18	
4/19	14:43:15	5.4542	2858.68	79.37	-22.91	
4/19	14:43:22	5.4563	2835.23	79.20	-23.45	
4/19	14:43:30	5.4583	2811.51	79.02	-23.72	
4/19	14:43:37	5.4604	2787.52	78.84	-23.99	
4/19	14:43:45	5.4625	2763.80	78.65	-23.72	
4/19	14:43:52	5.4646	2740.08	78.46	-23.72	
4/19	14:44:00	5.4667	2716.09	78.27	-23.99	
4/19	14:44:07	5.4688	2691.83	78.08	-24.26	
4/19	14:44:15	5.4708	2667.57	77.89	-24.26	
4/19	14:44:22	5.4729	2643.31	77.70	-24.26	
4/19	14:44:30	5.4750	2618.78	77.51	-24.53	
4/19	14:44:37	5.4771	2594.51	77.33	-24.27	
4/19	14:44:45	5.4792	2569.97	77.13	-24.53	
4/19	14:44:52	5.4812	2545.44	76.94	-24.54	
4/19	14:45:00	5.4833	2520.35	76.76	-25.08	
4/19	14:45:07	5.4854	2495.55	76.55	-24.80	
4/19	14:45:15	5.4875	2470.49	76.31	-25.06	
4/19	14:45:22	5.4896	2445.42	76.08	-25.07	
4/19	14:45:30	5.4917	2420.35	75.86	-25.07	
4/19	14:45:37	5.4938	2395.28	75.63	-25.07	
4/19	14:45:45	5.4958	2370.47	75.40	-24.81	
4/19	14:45:52	5.4979	2344.85	75.17	-25.61	
4/19	14:46:00	5.5000	2319.50	74.94	-25.35	
4/19	14:46:07	5.5021	2293.89	74.71	-25.62	
4/19	14:46:15	5.5042	2268.53	74.48	-25.35	
4/19	14:46:22	5.5062	2242.90	74.25	-25.63	
4/19	14:46:30	5.5083	2217.55	74.02	-25.36	
4/19	14:46:37	5.5104	2191.92	73.78	-25.63	
4/19	14:46:45	5.5125	2166.02	73.54	-25.90	
4/19	14:46:52	5.5146	2139.85	73.30	-26.17	
4/19	14:47:00	5.5167	2113.68	73.06	-26.17	
4/19	14:47:07	5.5188	2087.77	72.82	-25.91	
4/19	14:47:15	5.5208	2061.87	72.58	-25.91	
4/19	14:47:22	5.5229	2035.69	72.34	-26.18	
4/19	14:47:30	5.5250	2009.23	72.10	-26.45	
4/19	14:47:37	5.5271	1983.05	71.86	-26.19	
4/19	14:47:45	5.5292	1956.86	71.63	-26.19	
4/19	14:47:52	5.5313	1930.40	71.38	-26.46	
4/19	14:48:00	5.5333	1903.67	71.14	-26.73	
4/19	14:48:07	5.5354	1877.19	70.92	-26.47	
4/19	14:48:15	5.5375	1850.45	70.70	-26.74	
4/19	14:48:22	5.5396	1823.98	70.48	-26.48	
4/19	14:48:30	5.5417	1797.50	70.25	-26.48	
4/19	14:48:37	5.5437	1771.02	70.03	-26.48	
4/19	14:48:45	5.5458	1744.53	69.81	-26.48	
4/19	14:48:52	5.5479	1717.51	69.60	-27.03	
4/19	14:49:00	5.5500	1691.02	69.38	-26.49	
4/19	14:49:07	5.5521	1664.26	69.15	-26.76	
4/19	14:49:15	5.5542	1637.76	68.93	-26.49	
4/19	14:49:22	5.5563	1610.73	68.71	-27.03	
4/19	14:49:30	5.5583	1583.69	68.49	-27.04	

WELL NAME : MIDDLE MESA SWD #1

DATE : 04/18/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F126418.RED

Date MM/DD	Time hh:mm:ss	Test Time hhhh.hhhh	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
4/19	14:49:37	5.5604	1556.65	68.28	-27.04	
4/19	14:49:45	5.5625	1529.60	68.08	-27.05	
4/19	14:49:52	5.5646	1502.55	67.88	-27.05	
4/19	14:50: 0	5.5667	1475.50	67.68	-27.05	
4/19	14:50: 7	5.5687	1448.18	67.47	-27.32	
4/19	14:50:15	5.5708	1420.85	67.27	-27.33	
4/19	14:50:22	5.5729	1392.72	67.07	-28.13	
4/19	14:50:30	5.5750	1365.66	66.87	-27.06	
4/19	14:50:37	5.5771	1340.74	66.66	-24.92	
4/19	14:50:45	5.5792	1318.51	66.46	-22.24	
4/19	14:50:52	5.5813	1297.87	66.26	-20.63	
4/19	14:51: 0	5.5833	1280.99	66.05	-16.88	
4/19	14:51: 7	5.5854	1261.97	65.87	-19.03	
4/19	14:51:15	5.5875	1253.40	65.70	-8.57	
4/19	14:51:22	5.5896	1242.41	65.53	-10.98	
4/19	14:51:30	5.5917	1238.13	65.36	-4.28	
4/19	14:51:37	5.5938	1237.29	65.19	-.84	
4/19	14:51:45	5.5958	1235.69	65.02	-1.60	
4/19	14:51:52	5.5979	1233.81	64.85	-1.88	
4/19	14:52: 0	5.6000	1231.95	64.67	-1.85	
4/19	14:52: 7	5.6021	1230.35	64.51	-1.60	
4/19	14:52:15	5.6042	1228.76	64.33	-1.60	
4/19	14:52:22	5.6062	1226.71	64.16	-2.04	
4/19	14:52:45	5.6125	1226.12	63.82	-.60	
4/19	14:52:52	5.6146	1225.60	63.76	-.52	
4/19	14:53: 0	5.6167	1204.15	63.71	-21.45	
4/19	14:53: 7	5.6188	1160.42	63.65	-43.74	
4/19	14:53:15	5.6208	1093.60	63.60	-66.82	
4/19	14:53:22	5.6229	54.33	63.54	-1039.27	
4/19	14:53:30	5.6250	32.33	63.49	-22.00	
4/19	14:53:37	5.6271	24.27	63.43	-8.06	

 *
 * EVENT SUMMARY *
 *

COMPANY : BLACKWOOD & NICHOLS CO. LTD.

PAGE : B

WELL NAME : MIDDLE MESA SWD #1

DATE : 04/18/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F126418.RED

Date	Time	Test Time	Key Event	Pressure	Temp
MM/DD	hh:mm:ss	hhh.hhhh		Psig	Deg F
4/19	10:46: 0	1.5000	INSTRUMENT @ 8905'	4832.97	143.68
4/19	11:10: 0	1.9000	RATE #1 - 1 BPM	4862.86	144.79
4/19	11:25: 0	2.1500	RATE #2 - 2 BPM	4908.82	139.36
4/19	11:40: 0	2.4000	RATE #3 - 3 BPM	4966.53	147.40
4/19	11:55: 0	2.6500	RATE #4 - 4 BPM	5032.70	137.92
4/19	12:10: 0	2.9000	RATE #5 - 5 BPM	5086.36	120.89
4/19	12:25: 0	3.1500	RATE #6 - 6 BPM	5155.37	105.56
4/19	12:40: 0	3.4000	RATE #7 - 7 BPM	5205.46	96.22
4/19	12:55: 0	3.5500	RATE #8 - 8 BPM	5258.58	90.17
4/19	13:10: 0	3.7000	RATE #9 - 9 BPM	5293.20	83.33
4/19	13:25: 0	4.1500	RATE #10 - 10 BPM	5340.46	80.34
4/19	13:40: 7	4.4021	RATE #11 - 11 BPM	5387.54	79.16
4/19	13:55: 0	4.6500	RATE #12 - 12 BPM	5432.02	78.27
4/19	14:10: 0	4.9000	RATE #13 - 12.9 BPM	5464.61	77.20
4/19	14:10: 7	4.9021	PRESSURE FALL-OFF	5396.37	77.20
4/19	14:26:30	5.1750	INSTRUMENT OFF BOTTOM	5183.66	82.89

BLACKWOOD & NICHOLS CO. LTD.

Pwf vs Elapsed Time

SAN JUAN COUNTY, NEW MEXICO
MIDDLE MESA SWD #1
F126418.AED

TEETLELLER, INC.
418-81
STEP-RATE TEST

