



WALSH ENGINEERING & PRODUCTION CORP.

Petroleum Engineering Consulting
Lease Management
Contract Pumping

204 N. Auburn
Farmington, New Mexico 87401
(505) 327-4892

January 15, 1993

Mr. Frank Chavez
New Mexico Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico 87410

REF: Sunco Disposal Well #1
NW/4, Section 2, T29N, R12W

Dear Mr. Chavez:

On January 14, 1993, Sunco ran a Step Rate Test on the subject well. The data from the bottom hole pressure bomb indicates that an injection rate of 4 BPM at 1500 psig surface pressure (2852 psig BHP) can be achieved without breakover.

As a result of this test, Sunco requests administrative approval for an increase of injection pressure and rate to a maximum of 1500 psig surface pressure 4 Bbl/Min.

Both the surface and bottom hole pressures are plotted vs injection rate on Figure 1, and the bottom hole data is plotted on an expanded scale on Figure 2. I have attached a job log as Appendix A and all of the bottom hole pressure data as Appendix B.

If I can be of any further assistance, please call me at 327-4892.

Sincerely,

Paul C. Thompson
Paul C. Thompson, P.E.
President

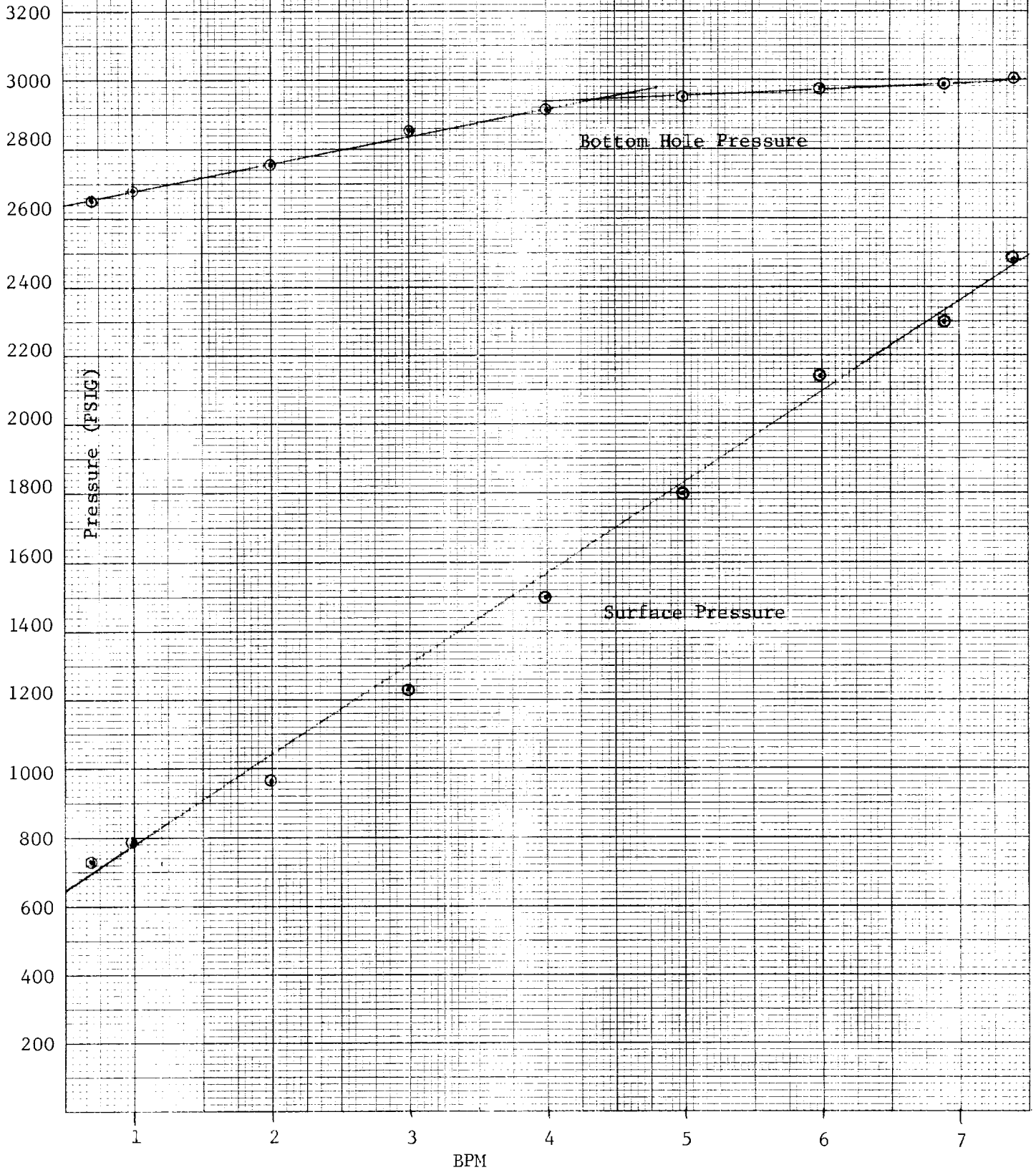
PCT:rr
cc: George Coleman
Sunco

RECEIVED
JAN 15 1993
OIL CON. DIST.

46 1323

K&E 10 X 10 TO 1/2 INCH 7 X 10 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.

FIGURE #1
SUNCO SWD #1
STEP RATE TEST
January 14, 1993



46 1323

KE 10 X 10 TO 1/2 INCH 7 X 10 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.

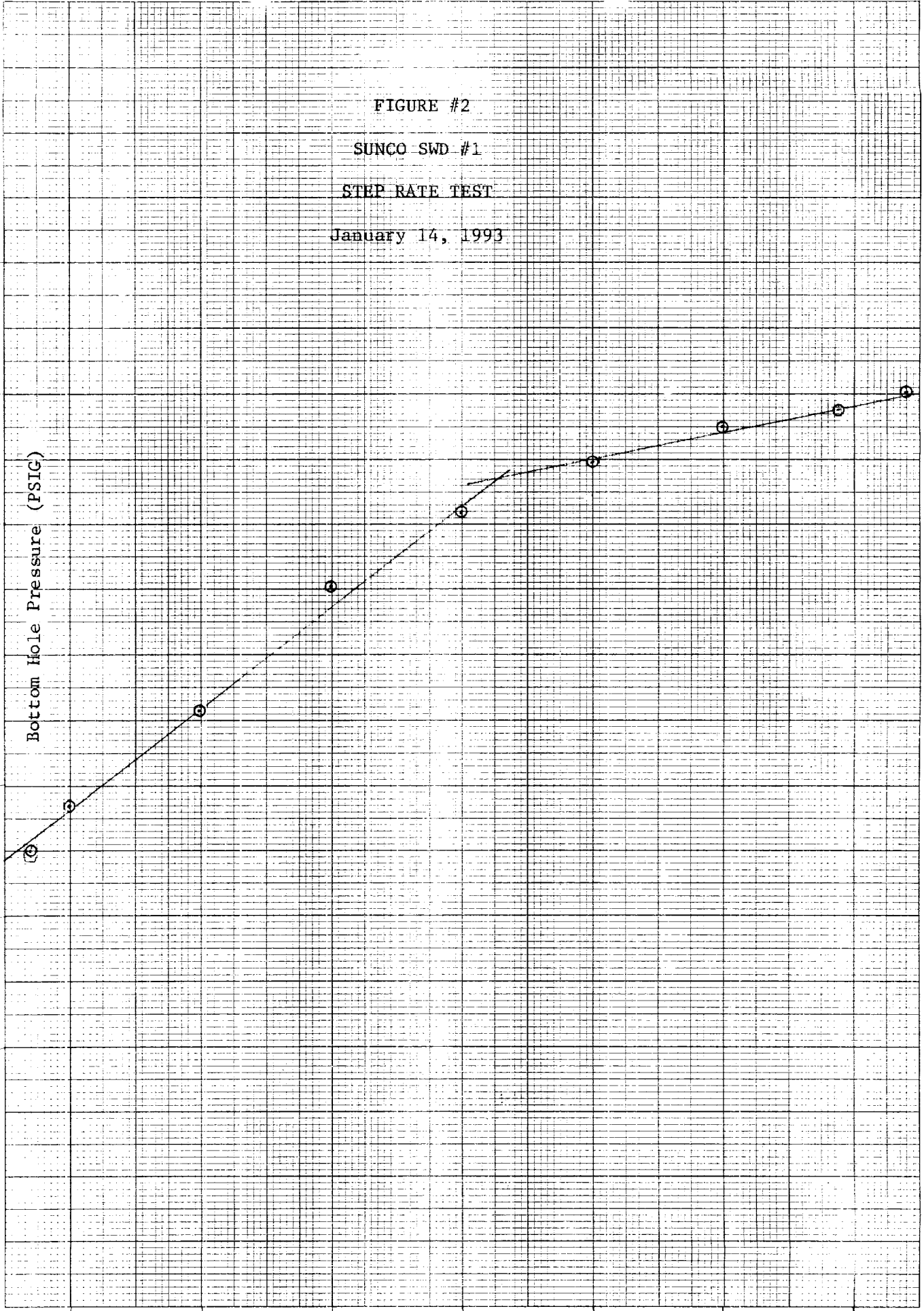
FIGURE #2
SUNCO SWD #1
STEP RATE TEST
January 14, 1993

3100
3000
2900
2800
2700
2600
2500
2400
2300

Bottom Hole Pressure (PSIG)

1 2 3 4 5 6 7

BPM





APPENDIX 1

WESTERN JOB LOG



APPENDIX 2

BOTTOM HOLE PRESSURE DATA

WELL NAME : SUNCO S.W.D. NO. 1

DATE : 01/15/93

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F161114.DAT

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.
01/14	09:10:00	.0000	.98	49.29		
01/14	09:12:15	.0375	.98	49.29		
01/14	09:12:30	.0417	.99	49.12		
01/14	09:12:45	.0458	.99	48.95		
01/14	09:13:00	.0500	1.00	48.78		
01/14	09:13:15	.0542	1.01	48.61		
01/14	09:13:30	.0583	1.03	48.44		
01/14	09:13:45	.0625	1.05	48.27		
01/14	09:14:00	.0667	1.07	48.10		
01/14	09:14:15	.0708	1.08	47.93		
01/14	09:14:30	.0750	1.10	47.76		
01/14	09:14:45	.0792	1.11	47.59		
01/14	09:15:00	.0833	1.12	47.42		
01/14	09:16:00	.1000	1.26	46.94		
01/14	09:17:00	.1167	1.30	46.60		
01/14	09:18:00	.1333	1.34	46.25		
01/14	09:19:00	.1500	1.38	45.91		
01/14	09:20:00	.1667	1.41	45.58		
01/14	09:21:00	.1833	1.47	45.20		
01/14	09:22:00	.2000	1.53	44.81		
01/14	09:23:00	.2167	1.60	44.43		
01/14	09:24:00	.2333	1.64	44.08		
01/14	09:25:00	.2500	1.65	43.83		
01/14	09:26:00	.2667	22.17	43.58		
01/14	09:26:15	.2708	61.44	43.53		
01/14	09:26:30	.2750	678.88	43.72		
01/14	09:26:45	.2792	663.80	43.91		
01/14	09:27:00	.2833	656.90	44.10		
01/14	09:27:15	.2875	656.61	44.28		
01/14	09:27:30	.2917	656.59	44.47		
01/14	09:27:45	.2958	655.84	44.66		
01/14	09:28:00	.3000	654.58	44.85		
01/14	09:28:15	.3042	654.37	45.04		
01/14	09:28:30	.3083	654.35	45.22		
01/14	09:28:45	.3125	654.34	45.42		
01/14	09:29:00	.3167	654.31	45.60		
01/14	09:29:15	.3208	654.28	45.82		
01/14	09:29:30	.3250	654.24	46.03		
01/14	09:29:45	.3292	656.71	46.24		
01/14	09:30:00	.3333	665.07	46.44		
01/14	09:30:15	.3375	685.32	46.65		
01/14	09:30:30	.3417	714.54	46.86		
01/14	09:30:45	.3458	747.91	47.06		
01/14	09:31:00	.3500	762.68	47.28		
01/14	09:31:15	.3542	772.63	47.49		
01/14	09:31:30	.3583	789.53	47.69		
01/14	09:31:45	.3625	809.78	47.90		
01/14	09:32:00	.3667	832.44	48.11		
01/14	09:32:15	.3708	856.15	48.36		
01/14	09:32:30	.3750	879.67	48.71		
01/14	09:32:45	.3792	908.42	49.06		
01/14	09:33:00	.3833	943.45	49.40		
01/14	09:33:15	.3875	972.85	49.75		
01/14	09:33:30	.3917	998.65	50.09		
01/14	09:33:45	.3958	1028.32	50.44		
01/14	09:34:00	.4000	1061.06	50.78		
01/14	09:34:15	.4042	1093.13	51.13		
01/14	09:34:30	.4083	1121.86	51.47		
01/14	09:34:45	.4125	1151.92	51.82		
01/14	09:35:00	.4167	1182.77	52.17		
01/14	09:35:15	.4208	1213.46	52.60		
01/14	09:35:30	.4250	1246.20	53.19		
01/14	09:35:45	.4292	1277.60	53.78		
01/14	09:36:00	.4333	1300.98	54.37		
01/14	09:36:15	.4375	1325.96	54.96		

WELL NAME : SUNCO S.W.D. NO. 1

DATE : 01/15/93

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F161114.DAT

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.
01/14	09:36:30	.4417	1351.34	55.55		
01/14	09:36:45	.4458	1373.38	56.13		
01/14	09:37:00	.4500	1388.73	56.72		
01/14	09:37:15	.4542	1403.95	57.31		
01/14	09:37:30	.4583	1417.30	57.90		
01/14	09:37:45	.4625	1432.77	58.50		
01/14	09:38:00	.4667	1448.79	59.09		
01/14	09:38:15	.4708	1464.89	59.77		
01/14	09:38:30	.4750	1481.72	60.59		
01/14	09:38:45	.4792	1504.03	61.40		
01/14	09:39:00	.4833	1529.28	62.21		
01/14	09:39:15	.4875	1553.85	63.02		
01/14	09:39:30	.4917	1571.08	63.83		
01/14	09:39:45	.4958	1593.38	64.64		
01/14	09:40:00	.5000	1618.21	65.45		
01/14	09:40:15	.5042	1638.89	66.27		
01/14	09:40:30	.5083	1663.58	67.08		
01/14	09:40:45	.5125	1685.33	67.89		
01/14	09:41:00	.5167	1702.67	68.71		
01/14	09:41:15	.5208	1724.19	69.69		
01/14	09:41:30	.5250	1751.57	70.69		
01/14	09:41:45	.5292	1776.41	71.68		
01/14	09:42:00	.5333	1797.77	72.69		
01/14	09:42:15	.5375	1824.73	73.68		
01/14	09:42:30	.5417	1849.16	74.68		
01/14	09:42:45	.5458	1871.57	75.69		
01/14	09:43:00	.5500	1895.71	76.68		
01/14	09:43:15	.5542	1923.45	77.68		
01/14	09:43:30	.5583	1948.24	78.69		
01/14	09:43:45	.5625	1970.10	79.69		
01/14	09:44:00	.5667	1990.76	80.69		
01/14	09:44:15	.5708	2012.19	81.74		
01/14	09:44:30	.5750	2034.95	82.75		
01/14	09:44:45	.5792	2057.05	83.76		
01/14	09:45:00	.5833	2081.80	84.78		
01/14	09:45:15	.5875	2103.09	85.79		
01/14	09:45:30	.5917	2121.18	86.80		
01/14	09:45:45	.5958	2139.66	87.82		
01/14	09:46:00	.6000	2157.74	88.84		
01/14	09:46:15	.6042	2176.34	89.85		
01/14	09:46:30	.6083	2194.68	90.86		
01/14	09:46:45	.6125	2215.40	91.88		
01/14	09:47:00	.6167	2239.56	92.90		
01/14	09:47:15	.6208	2267.25	93.76		
01/14	09:47:30	.6250	2293.29	94.47		
01/14	09:47:45	.6292	2316.54	95.18		
01/14	09:48:00	.6333	2336.60	95.88		
01/14	09:48:15	.6375	2356.39	96.59		
01/14	09:48:30	.6417	2376.04	97.29		
01/14	09:48:45	.6458	2396.62	98.00		
01/14	09:49:00	.6500	2416.93	98.70		
01/14	09:49:15	.6542	2437.35	99.42		
01/14	09:49:30	.6583	2457.52	100.12		
01/14	09:49:45	.6625	2478.21	100.82		
01/14	09:50:00	.6667	2498.22	101.54		
01/14	09:50:15	.6708	2517.94	102.30		
01/14	09:50:30	.6750	2538.15	102.44		
01/14	09:50:45	.6792	2557.56	102.60		
01/14	09:51:00	.6833	2573.25	102.75		
01/14	09:51:15	.6875	2576.88	102.89		
01/14	09:51:30	.6917	2581.03	103.05		
01/14	09:51:45	.6958	2581.36	103.20		
01/14	09:52:00	.7000	2582.01	103.35		
01/14	09:52:15	.7042	2582.04	103.50		
01/14	09:52:30	.7083	2582.04	103.65		

INSTRUMENT @ 4405' - MID PERFS.

COMPANY: SUNCO

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WELL NAME : SUNCO S.W.D. NO. 1

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WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F161114.DAT

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.
01/14	09:52:45	.7125	2582.03	103.80		
01/14	09:53:00	.7167	2582.00	103.95		
01/14	09:53:15	.7208	2582.04	103.29		
01/14	09:53:30	.7250	2582.36	102.59		
01/14	09:53:45	.7292	2582.19	101.88		
01/14	09:54:00	.7333	2582.41	101.18		
01/14	09:54:15	.7375	2582.49	100.48		
01/14	09:54:30	.7417	2582.45	99.78		
01/14	09:54:45	.7458	2582.40	99.08		
01/14	09:55:00	.7500	2582.36	98.37		
01/14	09:55:15	.7542	2582.32	97.67		
01/14	09:55:30	.7583	2582.27	96.97		
01/14	09:55:45	.7625	2582.23	96.27		
01/14	09:56:00	.7667	2582.26	95.56		
01/14	09:56:15	.7708	2582.16	94.96		
01/14	09:56:30	.7750	2581.98	94.50		
01/14	09:56:45	.7792	2581.86	94.04		
01/14	09:57:00	.7833	2581.73	93.58		
01/14	09:57:15	.7875	2581.36	93.12		
01/14	09:57:30	.7917	2581.43	92.67		
01/14	09:57:45	.7958	2581.22	92.21		
01/14	09:58:00	.8000	2581.34	91.76		
01/14	09:58:15	.8042	2581.33	91.30		
01/14	09:58:30	.8083	2581.12	90.85		
01/14	09:58:45	.8125	2581.25	90.39		
01/14	09:59:00	.8167	2581.32	89.93		
01/14	09:59:15	.8208	2581.29	89.62		
01/14	09:59:30	.8250	2581.22	89.39		
01/14	09:59:45	.8292	2581.14	89.17		
01/14	10:00:00	.8333	2581.03	88.95		
01/14	10:00:15	.8375	2580.92	88.73		
01/14	10:00:30	.8417	2580.85	88.51		
01/14	10:00:45	.8458	2580.81	88.29		
01/14	10:01:00	.8500	2580.76	88.07		
01/14	10:01:15	.8542	2580.75	87.84		
01/14	10:01:30	.8583	2580.66	87.62		
01/14	10:01:45	.8625	2580.37	87.40		
01/14	10:02:00	.8667	2580.38	87.17		
01/14	10:02:15	.8708	2580.45	87.03		
01/14	10:02:30	.8750	2580.40	86.93		
01/14	10:02:45	.8792	2580.41	86.82		
01/14	10:03:00	.8833	2580.33	86.72		
01/14	10:03:15	.8875	2580.25	86.62		
01/14	10:03:30	.8917	2580.26	86.51		
01/14	10:03:45	.8958	2580.27	86.40		
01/14	10:04:00	.9000	2580.29	86.30		
01/14	10:04:15	.9042	2580.26	86.20		
01/14	10:04:30	.9083	2580.25	86.10		
01/14	10:04:45	.9125	2580.24	85.99		
01/14	10:05:00	.9167	2580.22	85.89		
01/14	10:05:15	.9208	2580.19	85.82		
01/14	10:05:30	.9250	2580.16	85.76		
01/14	10:05:45	.9292	2580.16	85.71		
01/14	10:06:00	.9333	2580.09	85.66		
01/14	10:06:15	.9375	2580.08	85.61		
01/14	10:06:30	.9417	2580.08	85.55		
01/14	10:06:45	.9458	2580.07	85.50		
01/14	10:07:00	.9500	2580.05	85.45		
01/14	10:07:15	.9542	2580.04	85.39		
01/14	10:07:30	.9583	2580.03	85.35		
01/14	10:07:45	.9625	2580.01	85.29		
01/14	10:08:00	.9667	2579.99	85.24		
01/14	10:09:00	.9833	2579.89	85.11		
01/14	10:10:00	1.0000	2579.87	85.00		
01/14	10:11:00	1.0167	2579.56	84.89		

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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.
01/14	10:12:00	1.0333	2577.24	84.78		
01/14	10:12:15	1.0375	2577.58	84.77		
01/14	10:12:30	1.0417	2577.67	84.77		
01/14	10:12:45	1.0458	2577.79	84.77		
01/14	10:13:00	1.0500	2577.92	84.77		
01/14	10:13:15	1.0542	2578.03	84.77		
01/14	10:13:30	1.0583	2578.03	84.77		
01/14	10:13:45	1.0625	2578.04	84.77		
01/14	10:14:00	1.0667	2578.16	84.77		
01/14	10:14:15	1.0708	2578.23	84.77		
01/14	10:14:30	1.0750	2582.04	84.77		BEGAN RATE #1
01/14	10:14:45	1.0792	2589.76	84.77		
01/14	10:15:00	1.0833	2594.95	84.77		
01/14	10:15:15	1.0875	2598.95	84.76		
01/14	10:15:30	1.0917	2602.06	85.12		
01/14	10:15:45	1.0958	2604.90	85.47		
01/14	10:16:00	1.1000	2607.34	85.83		
01/14	10:16:15	1.1042	2609.38	86.18		
01/14	10:16:30	1.1083	2611.56	86.53		
01/14	10:16:45	1.1125	2613.47	86.88		
01/14	10:17:00	1.1167	2615.51	87.24		
01/14	10:17:15	1.1208	2617.28	87.59		
01/14	10:17:30	1.1250	2619.06	87.95		
01/14	10:17:45	1.1292	2620.83	88.30		
01/14	10:18:00	1.1333	2622.74	88.66		
01/14	10:18:15	1.1375	2624.19	89.54		
01/14	10:18:30	1.1417	2625.74	90.47		
01/14	10:18:45	1.1458	2627.29	91.39		
01/14	10:19:00	1.1500	2628.71	92.32		
01/14	10:19:15	1.1542	2630.13	93.25		
01/14	10:19:30	1.1583	2631.56	94.17		
01/14	10:19:45	1.1625	2632.98	95.10		
01/14	10:20:00	1.1667	2634.26	96.03		
01/14	10:20:15	1.1708	2635.69	96.96		
01/14	10:20:30	1.1750	2636.98	97.88		
01/14	10:20:45	1.1792	2638.27	98.81		
01/14	10:21:00	1.1833	2639.56	99.74		
01/14	10:21:15	1.1875	2640.69	100.49		
01/14	10:21:30	1.1917	2642.01	100.93		
01/14	10:21:45	1.1958	2643.34	101.36		
01/14	10:22:00	1.2000	2646.53	101.79		
01/14	10:22:15	1.2042	2648.91	102.23		RATE # 1 - .7 BPM
01/14	10:22:30	1.2083	2651.43	102.67		
01/14	10:22:45	1.2125	2653.82	103.09		
01/14	10:23:00	1.2167	2655.81	103.53		
01/14	10:23:15	1.2208	2657.80	103.97		
01/14	10:23:30	1.2250	2659.52	104.40		
01/14	10:23:45	1.2292	2661.25	104.83		
01/14	10:24:00	1.2333	2662.70	105.27		
01/14	10:24:15	1.2375	2664.43	105.47		
01/14	10:24:30	1.2417	2666.14	105.50		
01/14	10:24:45	1.2458	2667.71	105.54		
01/14	10:25:00	1.2500	2669.14	105.58		
01/14	10:25:15	1.2542	2670.57	105.61		
01/14	10:25:30	1.2583	2672.15	105.65		
01/14	10:25:45	1.2625	2673.31	105.69		
01/14	10:26:00	1.2667	2674.62	105.73		
01/14	10:26:15	1.2708	2675.92	105.76		
01/14	10:26:30	1.2750	2677.09	105.80		
01/14	10:26:45	1.2792	2678.26	105.84		
01/14	10:27:00	1.2833	2678.80	105.87		
01/14	10:27:15	1.2875	2680.56	105.76		
01/14	10:27:30	1.2917	2681.27	105.52		
01/14	10:27:45	1.2958	2682.48	105.28		
01/14	10:28:00	1.3000	2683.55	105.04		

WELL NAME : SUNCO S.W.D. NO. 1

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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.
01/14	10:28:15	1.3042	2685.27	104.81		RATE # 2 - 1.0 BPM
01/14	10:28:30	1.3083	2689.39	104.56		
01/14	10:28:45	1.3125	2694.58	104.33		
01/14	10:29:00	1.3167	2700.17	104.08		
01/14	10:29:15	1.3208	2704.29	103.85		
01/14	10:29:30	1.3250	2707.89	103.61		
01/14	10:29:45	1.3292	2711.09	103.37		
01/14	10:30:00	1.3333	2714.03	103.13		
01/14	10:30:15	1.3375	2716.92	102.75		
01/14	10:30:30	1.3417	2719.82	102.14		
01/14	10:30:45	1.3458	2722.59	101.53		
01/14	10:31:00	1.3500	2725.10	100.93		
01/14	10:31:15	1.3542	2727.74	100.32		
01/14	10:31:30	1.3583	2729.98	99.71		
01/14	10:31:45	1.3625	2732.22	99.11		
01/14	10:32:00	1.3667	2734.47	98.50		
01/14	10:32:15	1.3708	2736.57	97.90		
01/14	10:32:30	1.3750	2738.55	97.29		
01/14	10:32:45	1.3792	2740.40	96.69		
01/14	10:33:00	1.3833	2742.25	96.08		
01/14	10:33:15	1.3875	2744.20	95.32		
01/14	10:33:30	1.3917	2746.06	94.50		
01/14	10:33:45	1.3958	2747.78	93.68		
01/14	10:34:00	1.4000	2749.50	92.85		
01/14	10:34:15	1.4042	2751.23	92.03		
01/14	10:34:30	1.4083	2752.33	91.20		
01/14	10:34:45	1.4125	2755.36	90.38		
01/14	10:35:00	1.4167	2758.42	89.56		RATE # 3 - 2.0 BPM
01/14	10:35:15	1.4208	2764.27	88.74		
01/14	10:35:30	1.4250	2768.00	87.92		
01/14	10:35:45	1.4292	2771.34	87.10		
01/14	10:36:00	1.4333	2774.42	86.27		
01/14	10:36:15	1.4375	2777.53	85.39		
01/14	10:36:30	1.4417	2780.40	84.47		
01/14	10:36:45	1.4458	2783.01	83.56		
01/14	10:37:00	1.4500	2785.49	82.64		
01/14	10:37:15	1.4542	2787.97	81.72		
01/14	10:37:30	1.4583	2790.45	80.81		
01/14	10:37:45	1.4625	2792.80	79.89		
01/14	10:38:00	1.4667	2794.89	78.98		
01/14	10:38:15	1.4708	2796.97	78.07		
01/14	10:38:30	1.4750	2799.07	77.15		
01/14	10:38:45	1.4792	2801.03	76.24		
01/14	10:39:00	1.4833	2802.86	75.32		
01/14	10:39:15	1.4875	2804.66	74.46		
01/14	10:39:30	1.4917	2805.75	73.70		
01/14	10:39:45	1.4958	2807.98	72.95		
01/14	10:40:00	1.5000	2809.08	72.19		
01/14	10:40:15	1.5042	2810.67	71.44		
01/14	10:40:30	1.5083	2812.28	70.68		
01/14	10:40:45	1.5125	2813.81	69.93		
01/14	10:41:00	1.5167	2815.28	69.17		
01/14	10:41:15	1.5208	2816.75	68.42		
01/14	10:41:30	1.5250	2818.29	67.67		
01/14	10:41:45	1.5292	2819.83	66.92		
01/14	10:42:00	1.5333	2821.25	66.16		
01/14	10:42:15	1.5375	2822.49	65.56		
01/14	10:42:30	1.5417	2823.75	65.11		
01/14	10:42:45	1.5458	2825.02	64.65		
01/14	10:43:00	1.5500	2826.16	64.19		
01/14	10:43:15	1.5542	2827.43	63.74		
01/14	10:43:30	1.5583	2828.70	63.28		
01/14	10:43:45	1.5625	2829.83	62.83		
01/14	10:44:00	1.5667	2830.97	62.37		
01/14	10:44:15	1.5708	2831.98	61.91		

WELL NAME : SUNCO S.W.D. NO. 1

DATE : 01/15/93

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F161114.DAT

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.
01/14	10:44:30	1.5750	2832.99	61.46		
01/14	10:44:45	1.5792	2834.06	61.00		
01/14	10:45:00	1.5833	2835.14	60.55		
01/14	10:45:15	1.5875	2836.19	60.22		
01/14	10:45:30	1.5917	2837.17	59.98		
01/14	10:45:45	1.5958	2838.16	59.73		
01/14	10:46:00	1.6000	2839.15	59.49		
01/14	10:46:15	1.6042	2840.06	59.25		
01/14	10:46:30	1.6083	2840.92	59.01		
01/14	10:46:45	1.6125	2841.76	58.77		
01/14	10:47:00	1.6167	2842.69	58.52		
01/14	10:47:15	1.6208	2843.54	58.28		
01/14	10:47:30	1.6250	2844.33	58.04		
01/14	10:47:45	1.6292	2845.18	57.80		
01/14	10:48:00	1.6333	2845.97	57.55		
01/14	10:48:15	1.6375	2846.63	57.38		
01/14	10:48:30	1.6417	2847.41	57.25		
01/14	10:48:45	1.6458	2848.25	57.11		
01/14	10:49:00	1.6500	2849.03	56.97		
01/14	10:49:15	1.6542	2849.80	56.84		
01/14	10:49:30	1.6583	2850.57	56.70		
01/14	10:49:45	1.6625	2851.34	56.57		
01/14	10:50:00	1.6667	2852.05	56.43		RATE # 4 - 3.0 BPM
01/14	10:50:15	1.6708	2852.76	56.30		
01/14	10:50:30	1.6750	2853.61	56.16		
01/14	10:50:45	1.6792	2858.11	56.02		
01/14	10:51:00	1.6833	2860.63	55.89		
01/14	10:51:15	1.6875	2862.86	55.77		
01/14	10:51:30	1.6917	2864.69	55.66		
01/14	10:51:45	1.6958	2866.53	55.54		
01/14	10:52:00	1.7000	2868.24	55.41		
01/14	10:52:15	1.7042	2869.80	55.29		
01/14	10:52:30	1.7083	2871.37	55.17		
01/14	10:52:45	1.7125	2872.81	55.05		
01/14	10:53:00	1.7167	2874.11	54.92		
01/14	10:53:15	1.7208	2875.42	54.80		
01/14	10:53:30	1.7250	2876.72	54.68		
01/14	10:53:45	1.7292	2877.38	54.56		
01/14	10:54:00	1.7333	2879.18	54.44		
01/14	10:54:15	1.7375	2879.80	54.28		
01/14	10:54:30	1.7417	2880.95	54.11		
01/14	10:54:45	1.7458	2882.15	53.94		
01/14	10:55:00	1.7500	2883.29	53.77		
01/14	10:55:15	1.7542	2884.36	53.60		
01/14	10:55:30	1.7583	2885.36	53.43		
01/14	10:55:45	1.7625	2886.22	53.27		
01/14	10:56:00	1.7667	2887.17	53.10		
01/14	10:56:15	1.7708	2888.03	52.93		
01/14	10:56:30	1.7750	2888.84	52.76		
01/14	10:56:45	1.7792	2889.64	52.59		
01/14	10:57:00	1.7833	2890.31	52.42		
01/14	10:57:15	1.7875	2891.04	52.27		
01/14	10:57:30	1.7917	2891.75	52.15		
01/14	10:57:45	1.7958	2892.59	52.02		
01/14	10:58:00	1.8000	2893.42	51.89		
01/14	10:58:15	1.8042	2894.12	51.77		
01/14	10:58:30	1.8083	2894.96	51.65		
01/14	10:58:45	1.8125	2895.73	51.52		
01/14	10:59:00	1.8167	2896.36	51.40		
01/14	10:59:15	1.8208	2897.00	51.28		
01/14	10:59:30	1.8250	2897.64	51.15		
01/14	10:59:45	1.8292	2898.27	51.03		
01/14	11:00:00	1.8333	2898.84	50.90		
01/14	11:00:15	1.8375	2899.39	50.80		
01/14	11:00:30	1.8417	2899.99	50.73		

WELL NAME : SUNCO S.W.D. NO. 1

DATE : 01/15/93

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F161114.DAT

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.
01/14	11:00:45	1.8458	2900.52	50.65		
01/14	11:01:00	1.8500	2900.98	50.58		
01/14	11:01:15	1.8542	2901.44	50.51		
01/14	11:01:30	1.8583	2901.97	50.43		
01/14	11:01:45	1.8625	2902.57	50.35		
01/14	11:02:00	1.8667	2903.10	50.28		
01/14	11:02:15	1.8708	2903.72	50.20		
01/14	11:02:30	1.8750	2903.93	50.13		
01/14	11:02:45	1.8792	2904.29	50.05		
01/14	11:03:00	1.8833	2904.68	49.98		
01/14	11:03:15	1.8875	2905.29	49.92		
01/14	11:03:30	1.8917	2905.51	49.87		
01/14	11:03:45	1.8958	2906.04	49.82		
01/14	11:04:00	1.9000	2906.22	49.77		
01/14	11:04:15	1.9042	2906.43	49.72		
01/14	11:04:30	1.9083	2906.74	49.67		
01/14	11:04:45	1.9125	2907.28	49.62		
01/14	11:05:00	1.9167	2907.50	49.56		RATE # 5 - 4.0 BPM
01/14	11:05:15	1.9208	2908.87	49.52		
01/14	11:05:30	1.9250	2909.42	49.46		
01/14	11:05:45	1.9292	2912.72	49.41		
01/14	11:06:00	1.9333	2914.37	49.36		
01/14	11:06:15	1.9375	2916.15	49.32		
01/14	11:06:30	1.9417	2916.70	49.25		
01/14	11:06:45	1.9458	2918.67	49.19		
01/14	11:07:00	1.9500	2919.93	49.13		
01/14	11:07:15	1.9542	2921.32	49.06		
01/14	11:07:30	1.9583	2922.58	49.00		
01/14	11:07:45	1.9625	2923.20	48.94		
01/14	11:08:00	1.9667	2924.32	48.88		
01/14	11:08:15	1.9708	2925.31	48.81		
01/14	11:08:30	1.9750	2926.17	48.75		
01/14	11:08:45	1.9792	2927.09	48.69		
01/14	11:09:00	1.9833	2927.95	48.62		
01/14	11:09:15	1.9875	2928.76	48.53		
01/14	11:09:30	1.9917	2929.56	48.45		
01/14	11:09:45	1.9958	2930.31	48.36		
01/14	11:10:00	2.0000	2930.98	48.28		
01/14	11:10:15	2.0042	2931.59	48.19		
01/14	11:10:30	2.0083	2932.19	48.11		
01/14	11:10:45	2.0125	2932.80	48.02		
01/14	11:11:00	2.0167	2933.33	47.94		
01/14	11:11:15	2.0208	2933.95	47.85		
01/14	11:11:30	2.0250	2934.71	47.77		
01/14	11:11:45	2.0292	2934.96	47.68		
01/14	11:12:00	2.0333	2935.43	47.60		
01/14	11:12:15	2.0375	2936.22	47.53		
01/14	11:12:30	2.0417	2936.48	47.47		
01/14	11:12:45	2.0458	2937.12	47.41		
01/14	11:13:00	2.0500	2937.37	47.36		
01/14	11:13:15	2.0542	2937.92	47.30		
01/14	11:13:30	2.0583	2938.13	47.25		
01/14	11:13:45	2.0625	2938.52	47.19		
01/14	11:14:00	2.0667	2938.97	47.14		
01/14	11:14:15	2.0708	2939.41	47.09		
01/14	11:14:30	2.0750	2940.02	47.03		
01/14	11:14:45	2.0792	2940.24	46.98		
01/14	11:15:00	2.0833	2940.75	46.92		
01/14	11:15:15	2.0875	2940.93	46.87		
01/14	11:15:30	2.0917	2941.23	46.83		
01/14	11:15:45	2.0958	2941.83	46.80		
01/14	11:16:00	2.1000	2942.03	46.77		
01/14	11:16:15	2.1042	2942.56	46.73		
01/14	11:16:30	2.1083	2942.74	46.69		
01/14	11:16:45	2.1125	2942.97	46.66		

WELL NAME : SUNCO S.W.D. NO. 1

DATE : 01/15/93

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F161114.DAT

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.
01/14	11:17:00	2.1167	2943.23	46.63		
01/14	11:17:15	2.1208	2943.53	46.58		
01/14	11:17:30	2.1250	2943.80	46.55		
01/14	11:17:45	2.1292	2944.18	46.52		
01/14	11:18:00	2.1333	2944.61	46.48		
01/14	11:18:15	2.1375	2944.77	46.46		
01/14	11:18:30	2.1417	2945.19	46.43		
01/14	11:18:45	2.1458	2945.33	46.40		
01/14	11:19:00	2.1500	2945.50	46.38		
01/14	11:19:15	2.1542	2945.80	46.35		
01/14	11:19:30	2.1583	2946.23	46.32		
01/14	11:19:45	2.1625	2946.35	46.30		
01/14	11:20:00	2.1667	2946.55	46.27		
01/14	11:20:15	2.1708	2946.74	46.25		
01/14	11:20:30	2.1750	2946.98	46.22		
01/14	11:20:45	2.1792	2950.29	46.19		RATE # 6 - 5.0 BPM
01/14	11:21:00	2.1833	2951.92	46.17		
01/14	11:21:15	2.1875	2952.44	46.15		
01/14	11:21:30	2.1917	2953.40	46.12		
01/14	11:21:45	2.1958	2954.38	46.08		
01/14	11:22:00	2.2000	2955.27	46.05		
01/14	11:22:15	2.2042	2956.17	46.02		
01/14	11:22:30	2.2083	2957.21	45.99		
01/14	11:22:45	2.2125	2958.10	45.96		
01/14	11:23:00	2.2167	2958.87	45.92		
01/14	11:23:15	2.2208	2959.63	45.90		
01/14	11:23:30	2.2250	2960.26	45.86		
01/14	11:23:45	2.2292	2960.89	45.83		
01/14	11:24:00	2.2333	2961.53	45.79		
01/14	11:24:15	2.2375	2962.03	45.75		
01/14	11:24:30	2.2417	2962.53	45.72		
01/14	11:24:45	2.2458	2963.02	45.69		
01/14	11:25:00	2.2500	2963.53	45.65		
01/14	11:25:15	2.2542	2964.28	45.62		
01/14	11:25:30	2.2583	2964.52	45.58		
01/14	11:25:45	2.2625	2964.88	45.55		
01/14	11:26:00	2.2667	2965.31	45.52		
01/14	11:26:15	2.2708	2965.75	45.48		
01/14	11:26:30	2.2750	2966.33	45.45		
01/14	11:26:45	2.2792	2966.52	45.42		
01/14	11:27:00	2.2833	2966.75	45.38		
01/14	11:27:15	2.2875	2967.00	45.36		
01/14	11:27:30	2.2917	2967.26	45.34		
01/14	11:27:45	2.2958	2967.48	45.32		
01/14	11:28:00	2.3000	2967.77	45.30		
01/14	11:28:15	2.3042	2968.23	45.28		
01/14	11:28:30	2.3083	2968.42	45.26		
01/14	11:28:45	2.3125	2968.90	45.24		
01/14	11:29:00	2.3167	2969.03	45.22		
01/14	11:29:15	2.3208	2969.22	45.20		
01/14	11:29:30	2.3250	2969.44	45.18		
01/14	11:29:45	2.3292	2969.77	45.16		
01/14	11:30:00	2.3333	2970.20	45.14		
01/14	11:30:15	2.3375	2970.35	45.12		
01/14	11:30:30	2.3417	2970.77	45.10		
01/14	11:30:45	2.3458	2970.89	45.09		
01/14	11:31:00	2.3500	2971.07	45.08		
01/14	11:31:15	2.3542	2971.29	45.06		
01/14	11:31:30	2.3583	2971.61	45.05		
01/14	11:31:45	2.3625	2972.03	45.04		
01/14	11:32:00	2.3667	2972.15	45.02		
01/14	11:32:15	2.3708	2972.32	45.01		
01/14	11:32:30	2.3750	2972.51	44.99		
01/14	11:32:45	2.3792	2972.73	44.98		
01/14	11:33:00	2.3833	2972.96	44.97		

WELL NAME : SUNCO S.W.D. NO. 1

DATE : 01/15/93

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F161114.DAT

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.
01/14	11:33:15	2.3875	2973.19	44.96		
01/14	11:33:30	2.3917	2973.42	44.94		
01/14	11:33:45	2.3958	2973.66	44.93		
01/14	11:34:00	2.4000	2973.89	44.91		
01/14	11:34:15	2.4042	2974.14	44.89		
01/14	11:34:30	2.4083	2974.38	44.88		
01/14	11:34:45	2.4125	2974.61	44.86		
01/14	11:35:00	2.4167	2974.95	44.85		RATE # 7 - 6.0 BPM
01/14	11:35:15	2.4208	2971.73	44.83		
01/14	11:35:30	2.4250	2975.38	44.81		
01/14	11:35:45	2.4292	2976.73	44.80		
01/14	11:36:00	2.4333	2977.09	44.79		
01/14	11:36:15	2.4375	2977.71	44.76		
01/14	11:36:30	2.4417	2978.26	44.75		
01/14	11:36:45	2.4458	2978.74	44.74		
01/14	11:37:00	2.4500	2979.15	44.73		
01/14	11:37:15	2.4542	2979.72	44.72		
01/14	11:37:30	2.4583	2979.89	44.71		
01/14	11:37:45	2.4625	2980.08	44.70		
01/14	11:38:00	2.4667	2980.29	44.68		
01/14	11:38:15	2.4708	2980.51	44.67		
01/14	11:38:30	2.4750	2980.75	44.66		
01/14	11:38:45	2.4792	2980.96	44.65		
01/14	11:39:00	2.4833	2981.13	44.64		
01/14	11:39:15	2.4875	2981.28	44.64		
01/14	11:39:30	2.4917	2981.45	44.63		
01/14	11:39:45	2.4958	2981.66	44.62		
01/14	11:40:00	2.5000	2981.87	44.62		
01/14	11:40:15	2.5042	2982.07	44.62		
01/14	11:40:30	2.5083	2982.30	44.61		
01/14	11:40:45	2.5125	2982.52	44.61		
01/14	11:41:00	2.5167	2982.69	44.60		
01/14	11:41:15	2.5208	2982.83	44.60		
01/14	11:41:30	2.5250	2982.99	44.60		
01/14	11:41:45	2.5292	2982.99	44.59		
01/14	11:42:00	2.5333	2983.21	44.58		
01/14	11:42:15	2.5375	2983.39	44.58		
01/14	11:42:30	2.5417	2983.40	44.57		
01/14	11:42:45	2.5458	2983.67	44.56		
01/14	11:43:00	2.5500	2983.87	44.56		
01/14	11:43:15	2.5542	2984.07	44.55		
01/14	11:43:30	2.5583	2984.24	44.54		
01/14	11:43:45	2.5625	2984.40	44.54		
01/14	11:44:00	2.5667	2984.57	44.53		
01/14	11:44:15	2.5708	2984.73	44.53		
01/14	11:44:30	2.5750	2984.90	44.52		
01/14	11:44:45	2.5792	2985.06	44.51		
01/14	11:45:00	2.5833	2985.31	44.51		
01/14	11:46:00	2.6000	2985.62	44.48		
01/14	11:47:00	2.6167	2986.48	44.44		
01/14	11:48:00	2.6333	2986.75	44.40		
01/14	11:49:00	2.6500	2987.20	44.36		
01/14	11:50:00	2.6667	2987.77	44.32		RATE # 8 - 7.0 BPM
01/14	11:51:00	2.6833	2990.60	44.28		
01/14	11:51:15	2.6875	2991.09	44.26		
01/14	11:51:30	2.6917	2991.32	44.25		
01/14	11:51:45	2.6958	2991.89	44.24		
01/14	11:52:00	2.7000	2992.08	44.22		
01/14	11:52:15	2.7042	2992.36	44.21		
01/14	11:52:30	2.7083	2992.93	44.20		
01/14	11:52:45	2.7125	2993.08	44.18		
01/14	11:53:00	2.7167	2993.26	44.17		
01/14	11:53:15	2.7208	2993.45	44.16		
01/14	11:53:30	2.7250	2993.66	44.14		
01/14	11:53:45	2.7292	2993.86	44.13		

WELL NAME : SUNCO S.W.D. NO. 1

DATE : 01/15/93

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F161114.DAT

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.
01/14	11:54:00	2.7333	2994.05	44.12		
01/14	11:54:15	2.7375	2994.24	44.10		
01/14	11:54:30	2.7417	2994.44	44.09		
01/14	11:54:45	2.7458	2994.65	44.08		
01/14	11:55:00	2.7500	2994.86	44.08		
01/14	11:55:15	2.7542	2995.12	44.06		
01/14	11:55:30	2.7583	2995.36	44.06		
01/14	11:55:45	2.7625	2995.58	44.05		
01/14	11:56:00	2.7667	2995.77	44.04		
01/14	11:56:15	2.7708	2995.97	44.03		
01/14	11:56:30	2.7750	2996.16	44.02		
01/14	11:56:45	2.7792	2996.42	44.01		
01/14	11:57:00	2.7833	2996.83	44.01		
01/14	11:57:15	2.7875	2996.96	43.99		
01/14	11:57:30	2.7917	2997.13	43.99		
01/14	11:57:45	2.7958	2997.34	43.98		
01/14	11:58:00	2.8000	2997.56	43.97		
01/14	11:58:15	2.8042	2997.78	43.97		
01/14	11:58:30	2.8083	2998.02	43.96		
01/14	11:58:45	2.8125	2998.24	43.95		
01/14	11:59:00	2.8167	2998.45	43.95		
01/14	11:59:15	2.8208	2998.64	43.94		
01/14	11:59:30	2.8250	2998.82	43.93		
01/14	11:59:45	2.8292	2999.00	43.93		
01/14	12:00:00	2.8333	2999.16	43.92		
01/14	12:00:15	2.8375	2999.32	43.92		
01/14	12:00:30	2.8417	2999.50	43.91		
01/14	12:00:45	2.8458	2999.65	43.91		
01/14	12:01:00	2.8500	2999.80	43.90		
01/14	12:01:15	2.8542	2999.94	43.89		
01/14	12:01:30	2.8583	3000.08	43.89		
01/14	12:01:45	2.8625	3000.21	43.89		
01/14	12:02:00	2.8667	3000.35	43.88		
01/14	12:02:15	2.8708	3000.50	43.87		
01/14	12:02:30	2.8750	3000.65	43.87		
01/14	12:02:45	2.8792	3000.82	43.86		
01/14	12:03:00	2.8833	3000.94	43.85		
01/14	12:03:15	2.8875	3000.95	43.85		
01/14	12:03:30	2.8917	3000.96	43.85		
01/14	12:03:45	2.8958	3001.08	43.84		
01/14	12:04:00	2.9000	3001.09	43.83		
01/14	12:04:15	2.9042	3001.23	43.83		
01/14	12:04:30	2.9083	3001.33	43.82		
01/14	12:04:45	2.9125	3001.70	43.82		
01/14	12:05:00	2.9167	2990.07	43.81		
01/14	12:05:15	2.9208	2981.34	43.81		
01/14	12:05:30	2.9250	2975.03	43.80		
01/14	12:05:45	2.9292	2970.07	43.79		
01/14	12:06:00	2.9333	2965.78	43.78		
01/14	12:06:15	2.9375	2962.02	43.78		
01/14	12:06:30	2.9417	2958.60	43.84		
01/14	12:06:45	2.9458	2955.34	43.89		
01/14	12:07:00	2.9500	2952.33	43.95		
01/14	12:07:15	2.9542	2949.47	43.99		
01/14	12:07:30	2.9583	2946.74	44.05		
01/14	12:07:45	2.9625	2944.14	44.10		
01/14	12:08:00	2.9667	2941.67	44.16		
01/14	12:08:15	2.9708	2939.49	44.20		
01/14	12:08:30	2.9750	2937.28	44.26		
01/14	12:08:45	2.9792	2935.23	44.31		
01/14	12:09:00	2.9833	2933.29	44.37		
01/14	12:09:15	2.9875	2931.33	44.47		
01/14	12:09:30	2.9917	2929.42	44.66		
01/14	12:09:45	2.9958	2927.65	44.85		
01/14	12:10:00	3.0000	2925.88	45.04		

RATE # 9 - 7.3 BPM
INJECTION STOPPED

WELL NAME : SUNCO S.W.D. NO. 1

DATE : 01/15/93

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F161114.DAT

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.
01/14	12:10:15	3.0042	2924.10	45.22		
01/14	12:10:30	3.0083	2922.48	45.42		
01/14	12:10:45	3.0125	2920.84	45.60		
01/14	12:11:00	3.0167	2919.20	45.79		
01/14	12:11:15	3.0208	2917.70	45.98		
01/14	12:11:30	3.0250	2916.20	46.17		
01/14	12:11:45	3.0292	2914.83	46.36		
01/14	12:12:00	3.0333	2913.46	46.55		
01/14	12:12:15	3.0375	2912.04	46.81		
01/14	12:12:30	3.0417	2910.61	47.07		
01/14	12:12:45	3.0458	2909.82	47.34		
01/14	12:13:00	3.0500	2908.53	47.60		
01/14	12:13:15	3.0542	2907.25	47.86		
01/14	12:13:30	3.0583	2906.02	48.13		
01/14	12:13:45	3.0625	2904.16	48.39		
01/14	12:14:00	3.0667	2903.44	48.66		
01/14	12:14:15	3.0708	2902.28	48.92		
01/14	12:14:30	3.0750	2901.13	49.18		
01/14	12:14:45	3.0792	2899.90	49.45		
01/14	12:15:00	3.0833	2898.62	49.71		
01/14	12:15:15	3.0875	2897.49	49.95		
01/14	12:15:30	3.0917	2896.43	50.18		
01/14	12:15:45	3.0958	2895.30	50.41		
01/14	12:16:00	3.1000	2894.19	50.63		
01/14	12:16:15	3.1042	2893.13	50.86		
01/14	12:16:30	3.1083	2892.07	51.09		
01/14	12:16:45	3.1125	2891.02	51.32		
01/14	12:17:00	3.1167	2889.89	51.55		
01/14	12:17:15	3.1208	2888.84	51.78		
01/14	12:17:30	3.1250	2887.86	52.00		
01/14	12:17:45	3.1292	2886.80	52.23		
01/14	12:18:00	3.1333	2885.75	52.46		
01/14	12:18:15	3.1375	2884.71	52.67		
01/14	12:18:30	3.1417	2883.69	52.86		
01/14	12:18:45	3.1458	2882.67	53.05		
01/14	12:19:00	3.1500	2881.72	53.23		
01/14	12:19:15	3.1542	2880.77	53.42		
01/14	12:19:30	3.1583	2879.75	53.60		
01/14	12:19:45	3.1625	2878.73	53.79		
01/14	12:20:00	3.1667	2877.85	53.97		
01/14	12:20:15	3.1708	2876.96	54.17		
01/14	12:20:30	3.1750	2876.01	54.35		
01/14	12:20:45	3.1792	2875.06	54.54		
01/14	12:21:00	3.1833	2874.18	54.72		
01/14	12:21:15	3.1875	2873.23	54.90		
01/14	12:21:30	3.1917	2872.25	55.04		
01/14	12:21:45	3.1958	2871.41	55.19		
01/14	12:22:00	3.2000	2870.62	55.34		
01/14	12:22:15	3.2042	2869.69	55.49		
01/14	12:22:30	3.2083	2868.78	55.64		
01/14	12:22:45	3.2125	2867.99	55.79		
01/14	12:23:00	3.2167	2867.13	55.94		
01/14	12:23:15	3.2208	2866.21	56.08		
01/14	12:23:30	3.2250	2865.37	56.24		
01/14	12:23:45	3.2292	2864.51	56.38		
01/14	12:24:00	3.2333	2863.67	56.53		
01/14	12:24:15	3.2375	2862.90	56.66		
01/14	12:24:30	3.2417	2862.13	56.78		
01/14	12:24:45	3.2458	2861.37	56.90		
01/14	12:25:00	3.2500	2860.54	57.02		
01/14	12:25:15	3.2542	2859.71	57.14		
01/14	12:25:30	3.2583	2858.88	57.26		
01/14	12:25:45	3.2625	2858.13	57.38		
01/14	12:26:00	3.2667	2857.43	57.50		
01/14	12:26:15	3.2708	2856.60	57.61		

WELL NAME : SUNCO S.W.D. NO. 1

DATE : 01/15/93

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F161114.DAT

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.
01/14	12:26:30	3.2750	2855.78	57.74		
01/14	12:26:45	3.2792	2855.01	57.85		
01/14	12:27:00	3.2833	2854.32	57.97		
01/14	12:27:15	3.2875	2853.57	58.07		
01/14	12:27:30	3.2917	2852.84	58.16		
01/14	12:27:45	3.2958	2852.16	58.26		
01/14	12:28:00	3.3000	2851.35	58.35		
01/14	12:28:15	3.3042	2850.47	58.45		
01/14	12:28:30	3.3083	2849.81	58.54		
01/14	12:28:45	3.3125	2849.19	58.65		
01/14	12:29:00	3.3167	2848.51	58.74		
01/14	12:29:15	3.3208	2847.83	58.83		
01/14	12:29:30	3.3250	2847.09	58.93		
01/14	12:29:45	3.3292	2846.35	59.03		
01/14	12:30:00	3.3333	2845.61	59.12		
01/14	12:30:15	3.3375	2844.94	59.21		
01/14	12:30:30	3.3417	2844.26	59.31		
01/14	12:30:45	3.3458	2843.59	59.41		
01/14	12:31:00	3.3500	2842.91	59.50		
01/14	12:31:15	3.3542	2842.17	59.60		
01/14	12:31:30	3.3583	2841.50	59.69		INSTRUMENT OFF BOTTOM
01/14	12:31:45	3.3625	2826.31	59.79		
01/14	12:32:00	3.3667	2807.63	59.88		
01/14	12:32:15	3.3708	2792.69	59.98		
01/14	12:32:30	3.3750	2770.67	60.07		
01/14	12:32:45	3.3792	2756.00	60.17		
01/14	12:33:00	3.3833	2727.15	60.27		
01/14	12:33:15	3.3875	2695.59	60.59		
01/14	12:33:30	3.3917	2667.60	60.99		
01/14	12:33:45	3.3958	2634.54	61.39		
01/14	12:34:00	3.4000	2595.86	61.79		
01/14	12:34:15	3.4042	2558.79	62.19		
01/14	12:34:30	3.4083	2522.54	62.59		
01/14	12:34:45	3.4125	2488.04	62.99		
01/14	12:35:00	3.4167	2451.94	63.39		
01/14	12:35:15	3.4208	2417.19	63.79		
01/14	12:35:30	3.4250	2378.44	64.19		
01/14	12:35:45	3.4292	2340.36	64.60		
01/14	12:36:00	3.4333	2302.16	65.00		
01/14	12:36:15	3.4375	2258.07	65.22		
01/14	12:36:30	3.4417	2213.26	65.09		
01/14	12:36:45	3.4458	2173.93	64.97		
01/14	12:37:00	3.4500	2129.52	64.85		
01/14	12:37:15	3.4542	2083.12	64.72		
01/14	12:37:30	3.4583	2038.45	64.60		
01/14	12:37:45	3.4625	1992.85	64.47		
01/14	12:38:00	3.4667	1945.92	64.35		
01/14	12:38:15	3.4708	1897.78	64.22		
01/14	12:38:30	3.4750	1846.05	64.10		
01/14	12:38:45	3.4792	1794.31	63.97		
01/14	12:39:00	3.4833	1741.38	63.85		
01/14	12:39:15	3.4875	1692.59	63.46		
01/14	12:39:30	3.4917	1645.65	62.83		
01/14	12:39:45	3.4958	1597.63	62.21		
01/14	12:40:00	3.5000	1548.93	61.60		
01/14	12:40:15	3.5042	1499.70	60.97		
01/14	12:40:30	3.5083	1449.39	60.35		
01/14	12:40:45	3.5125	1398.67	59.73		
01/14	12:41:00	3.5167	1347.95	59.11		
01/14	12:41:15	3.5208	1307.90	58.49		
01/14	12:41:30	3.5250	1270.65	57.87		
01/14	12:41:45	3.5292	1234.60	57.25		
01/14	12:42:00	3.5333	1195.47	56.63		
01/14	12:42:15	3.5375	1157.85	55.90		
01/14	12:42:30	3.5417	1118.86	55.24		

WELL NAME : SUNCO S.W.D. NO. 1

DATE : 01/15/93

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F161114.DAT

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.
01/14	12:42:45	3.5458	1081.33	54.59		
01/14	12:43:00	3.5500	1042.85	53.94		
01/14	12:43:15	3.5542	1012.53	53.28		
01/14	12:43:30	3.5583	986.07	52.63		
01/14	12:43:45	3.5625	972.71	51.97		
01/14	12:44:00	3.5667	950.66	51.32		
01/14	12:44:15	3.5708	934.62	50.67		
01/14	12:44:30	3.5750	923.66	50.01		
01/14	12:44:45	3.5792	914.31	49.36		
01/14	12:45:00	3.5833	902.02	48.70		
01/14	12:45:15	3.5875	889.53	48.17		
01/14	12:45:30	3.5917	880.72	47.82		
01/14	12:45:45	3.5958	875.65	47.48		
01/14	12:46:00	3.6000	875.37	47.13		
01/14	12:46:15	3.6042	874.72	46.79		
01/14	12:46:30	3.6083	874.14	46.44		
01/14	12:46:45	3.6125	873.69	46.10		
01/14	12:47:00	3.6167	873.16	45.75		
01/14	12:47:15	3.6208	872.37	45.41		
01/14	12:47:30	3.6250	871.65	45.06		
01/14	12:47:45	3.6292	871.63	44.72		
01/14	12:48:00	3.6333	871.45	44.37		
01/14	12:48:15	3.6375	22.53	44.26		
01/14	12:48:30	3.6417	4.31	44.24		
01/14	12:48:45	3.6458	1.24	44.23		
01/14	12:49:00	3.6500	.81	44.21		
01/14	12:49:15	3.6542	.13	44.20		
01/14	12:49:30	3.6583	.04	44.18		
01/14	12:49:45	3.6625	.40	44.16		
01/14	12:50:00	3.6667	1.93	44.15		
01/14	12:50:15	3.6708	1.92	44.14		
01/14	12:50:30	3.6750	1.91	44.12		
01/14	12:50:45	3.6792	1.89	44.10		
01/14	12:51:00	3.6833	1.87	44.09		
01/14	12:51:15	3.6875	1.86	44.11		
01/14	12:51:30	3.6917	1.84	44.13		
01/14	12:51:45	3.6958	1.82	44.15		
01/14	12:52:00	3.7000	1.80	44.17		
01/14	12:52:15	3.7042	1.79	44.19		
01/14	12:52:30	3.7083	1.77	44.21		
01/14	12:52:45	3.7125	1.76	44.23		
01/14	12:53:00	3.7167	1.75	44.25		
01/14	12:53:15	3.7208	1.74	44.27		
01/14	12:53:30	3.7250	1.73	44.29		
01/14	12:53:45	3.7292	1.72	44.31		
01/14	12:54:00	3.7333	1.72	44.33		
01/14	12:55:00	3.7500	1.71	44.37		
01/14	12:56:00	3.7667	1.70	44.41		
01/14	12:57:00	3.7833	1.71	44.44		
01/14	12:58:00	3.8000	1.72	44.47		
01/14	12:59:00	3.8167	1.72	44.51		
01/14	13:00:00	3.8333	1.71	44.56		
01/14	13:01:00	3.8500	1.70	44.60		
01/14	13:02:00	3.8667	1.70	44.65		
01/14	13:03:00	3.8833	1.70	44.72		
01/14	13:04:00	3.9000	1.68	44.87		
01/14	13:05:00	3.9167	1.67	45.01		

 *
 * EVENT SUMMARY *
 *

COMPANY : SUNCC

PAGE : B

WELL NAME : SUNCO S.W.D. NO. 1

DATE : 01/15/93

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F161114.DAT

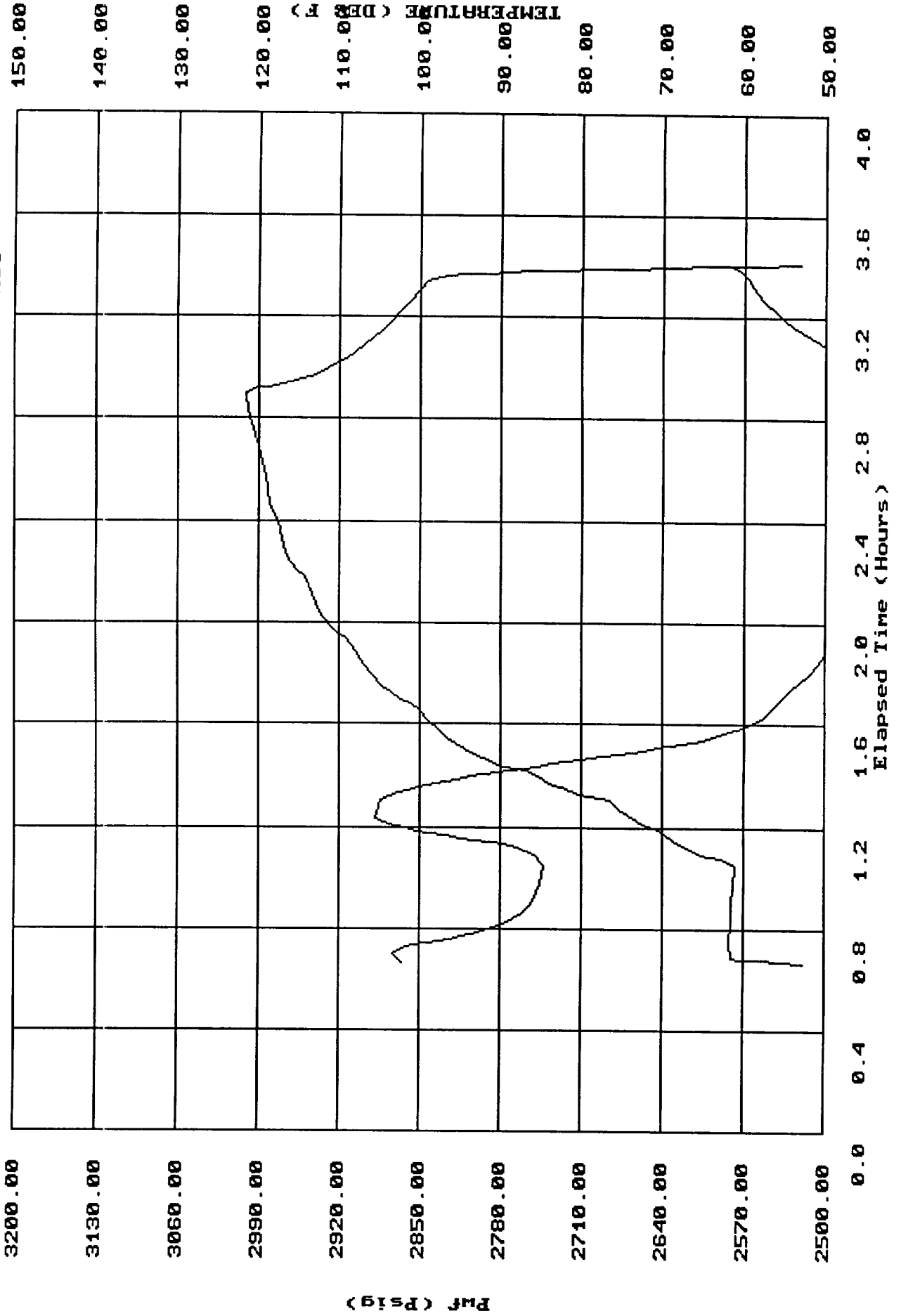
Date MM/DD	Time hh:mm:ss	Test Time hhhh.hhhh	Key Event	Pressure Psig	Temp Deg F
01/14	09:52:00	.7000	INSTRUMENT @ 4405' - MID PERFS.	2582.01	103.35
01/14	10:14:15	1.0708	BEGAN RATE #1	2578.23	84.77
01/14	10:22:15	1.2042	RATE # 1 - .7 BPM	2648.91	102.23
01/14	10:28:15	1.3042	RATE # 2 - 1.0 BPM	2685.27	104.81
01/14	10:35:00	1.4167	RATE # 3 - 2.0 BPM	2758.42	89.56
01/14	10:50:00	1.6667	RATE # 4 - 3.0 BPM	2852.05	56.43
01/14	11:05:00	1.9167	RATE # 5 - 4.0 BPM	2907.50	49.56
01/14	11:20:30	2.1750	RATE # 6 - 5.0 BPM	2946.98	46.22
01/14	11:35:00	2.4167	RATE # 7 - 6.0 BPM	2974.95	44.85
01/14	11:50:00	2.6667	RATE # 8 - 7.0 BPM	2987.77	44.32
01/14	12:04:45	2.9125	RATE # 9 - 7.3 BPM	3001.70	43.82
01/14	12:05:00	2.9167	INJECTION STOPPED	2990.07	43.81
01/14	12:31:30	3.3583	INSTRUMENT OFF BOTTOM	2841.50	59.69

SUNCO

Pwf vs Elapsed Time

SUNCO S.M.D. NO. 1
SAN JUAN COUNTY, NEW MEXICO
F161114.DAT

TEETLELLER, INC.
1-14-93
STEP RATE TEST



TEMPERATURE (DEG F)
150.00
140.00
130.00
120.00
110.00
100.00
90.00
80.00
70.00
60.00
50.00