



**EFTELLER, INC.**

reservoir engineering data

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

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BLACKWOOD & NICHOLS CO, LTD

PUMP MESA SWD #1

APRIL 2, 1991

*Serving the Rocky Mountain Area & Permian Basin Area*

File Reference ..... F114403.DAT

Customer ..... BLACKWOOD AND NICHOLS CO, LTD.  
 Street ..... P.O.BOX 1237  
 City/State..... DURANGO, COLORADO 80302  
 Country ..... U.S.A.  
 Service Company ... .. TEFTELLER, INC.

Well Name ..... PUMP MESA SWD #1  
 Well Location ..... SAN JUAN COUNTY, NEW MEXICO  
 Field / Pool .....  
 Status (Oil, Gas, Other) ..... WATER DISPOSAL

Test Type ..... STEP-RATE  
 Date of Test ..... 4-2-91  
 Producing Interval .....  
 Recorder Depth ..... 8985' KB  
 Recorder Position .....  
 Shut In Date ..... Start: 4-2-91  
                                     Stop: 4-2-91  
                                     Duration: 6 HOURS  
 Bottom Hole Temperature .....

Gauge Identification  
 .....

Gauge Manufacturer ..... MICRO-SMART SYSTEMS  
 Serial Number ..... 114  
 Model Number ..... SP2000  
 Pressure Range ..... 10K  
 Battery Type .....  
 Calibration I.D. ....  
 Last Calibration ..... 1/ 8/91

Gauge Setup Parameters  
 .....

Probe Set Up Time ..... 4/ 2/91 9:39: 0  
 Time Delay to First Reading ....  
 Test Type Selection ..... STEP-RATE  
 Test Duration Selection ..... 6 HOURS

WELL NAME : PUMP MESA SWD #1

DATE : 04/04/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F114403.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.
4/ 2	9:39: 0	.0000	.01	58.56		
4/ 2	9:41:15	.0375	.01	58.56	.00	
4/ 2	9:41:30	.0417	.01	58.60	.00	
4/ 2	9:41:45	.0458	.01	58.65	.00	
4/ 2	9:42: 0	.0500	.01	58.70	.00	
4/ 2	9:42:15	.0542	.01	58.74	.00	
4/ 2	9:42:30	.0583	.01	58.79	.00	
4/ 2	9:42:45	.0625	.01	58.83	.00	
4/ 2	9:43: 0	.0667	.01	58.88	.00	
4/ 2	9:43:15	.0708	.01	58.93	.00	
4/ 2	9:43:30	.0750	.01	58.98	.00	
4/ 2	9:43:45	.0792	.01	59.02	.00	
4/ 2	9:44: 0	.0833	.01	59.07	.00	
4/ 2	9:45: 0	.1000	.01	59.25	.00	
4/ 2	9:46: 0	.1167	.01	59.56	.00	
4/ 2	9:47: 0	.1333	.01	59.85	.00	
4/ 2	9:48: 0	.1500	.01	60.15	.00	
4/ 2	9:49: 0	.1667	.01	60.52	.00	
4/ 2	9:50: 0	.1833	.01	60.89	.00	
4/ 2	9:51: 0	.2000	.01	61.27	.00	
4/ 2	9:52: 0	.2167	.01	61.64	.00	
4/ 2	9:53: 0	.2333	.01	61.97	.00	
4/ 2	9:54: 0	.2500	.01	62.30	.00	
4/ 2	9:55: 0	.2667	.01	62.64	.00	
4/ 2	9:56: 0	.2833	.01	62.97	.00	
4/ 2	9:57: 0	.3000	.01	63.30	.00	
4/ 2	9:58: 0	.3167	.01	63.59	.00	
4/ 2	9:59: 0	.3333	.01	63.86	.00	
4/ 2	10: 0: 0	.3500	.01	64.15	.00	
4/ 2	10: 1: 0	.3667	.01	64.32	.00	
4/ 2	10: 2: 0	.3833	.01	64.48	.00	
4/ 2	10: 3: 0	.4000	.01	64.64	.00	
4/ 2	10: 4: 0	.4167	.01	64.80	.00	
4/ 2	10: 5: 0	.4333	.01	64.99	.00	
4/ 2	10: 6: 0	.4500	.01	65.12	.00	
4/ 2	10: 7: 0	.4667	.01	65.25	.00	
4/ 2	10: 8: 0	.4833	.01	65.38	.00	
4/ 2	10: 9: 0	.5000	.21	65.37	.20	
4/ 2	10:10: 0	.5167	60.82	65.07	60.61	
4/ 2	10:10:15	.5208	1079.52	64.86	1018.70	
4/ 2	10:10:30	.5250	1073.09	64.57	-6.43	
4/ 2	10:10:45	.5292	1069.45	64.28	-3.64	
4/ 2	10:11: 0	.5333	1065.81	63.99	-3.64	
4/ 2	10:11:15	.5375	1065.81	63.70	.00	
4/ 2	10:11:30	.5417	1066.10	63.40	.29	
4/ 2	10:11:45	.5458	1060.18	63.12	-5.92	
4/ 2	10:12: 0	.5500	1059.73	62.83	-.45	
4/ 2	10:12:15	.5542	226.22	62.53	-833.51	
4/ 2	10:12:30	.5583	5.73	62.24	-220.49	
4/ 2	10:12:45	.5625	.01	61.96	-5.72	
4/ 2	10:13: 0	.5667	.01	61.66	.00	
4/ 2	10:13:15	.5708	.01	61.40	.00	
4/ 2	10:13:30	.5750	.01	61.16	.00	
4/ 2	10:13:45	.5792	.01	60.94	.00	
4/ 2	10:14: 0	.5833	.01	60.70	.00	
4/ 2	10:14:15	.5875	.01	60.47	.00	
4/ 2	10:14:30	.5917	.01	60.24	.00	
4/ 2	10:14:45	.5958	.01	60.01	.00	
4/ 2	10:15: 0	.6000	.01	59.78	.00	
4/ 2	10:15:15	.6042	.01	59.54	.00	
4/ 2	10:15:30	.6083	.01	59.31	.00	
4/ 2	10:15:45	.6125	.01	59.08	.00	
4/ 2	10:16: 0	.6167	.01	58.85	.00	
4/ 2	10:17: 0	.6333	1067.33	58.11	1067.32	
4/ 2	10:17:15	.6375	1065.98	57.94	-1.35	

WELL NAME : PUMP MESA SWD #1

DATE : 04/04/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F114403.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.
4/ 2	10:17:30	.6417	1068.30	57.97	2.32	
4/ 2	10:17:45	.6458	1082.02	58.01	13.71	
4/ 2	10:18: 0	.6500	1096.28	58.04	14.26	
4/ 2	10:18:15	.6542	1113.89	58.07	17.61	
4/ 2	10:18:30	.6583	1130.66	58.10	16.77	
4/ 2	10:18:45	.6625	1149.11	58.13	18.45	
4/ 2	10:19: 0	.6667	1168.96	58.17	19.85	
4/ 2	10:19:15	.6708	1189.64	58.19	20.67	
4/ 2	10:19:30	.6750	1210.88	58.23	21.25	
4/ 2	10:19:45	.6792	1231.56	58.26	20.68	
4/ 2	10:20: 0	.6833	1252.52	58.29	20.96	
4/ 2	10:20:15	.6875	1274.00	58.56	21.47	
4/ 2	10:20:30	.6917	1295.81	58.89	21.81	
4/ 2	10:20:45	.6958	1317.89	59.22	22.08	
4/ 2	10:21: 0	.7000	1339.97	59.55	22.08	
4/ 2	10:21:15	.7042	1365.40	59.88	25.43	
4/ 2	10:21:30	.7083	1391.93	60.21	26.54	
4/ 2	10:21:45	.7125	1420.70	60.54	28.77	
4/ 2	10:22: 0	.7167	1448.63	60.87	27.93	
4/ 2	10:22:15	.7208	1477.38	61.20	28.76	
4/ 2	10:22:30	.7250	1506.42	61.53	29.03	
4/ 2	10:22:45	.7292	1535.45	61.86	29.03	
4/ 2	10:23: 0	.7333	1563.91	62.18	28.46	
4/ 2	10:23:15	.7375	1592.69	62.55	28.78	
4/ 2	10:23:30	.7417	1622.05	62.95	29.36	
4/ 2	10:23:45	.7458	1651.69	63.36	29.64	
4/ 2	10:24: 0	.7500	1680.76	63.76	29.07	
4/ 2	10:24:15	.7542	1710.40	64.17	29.63	
4/ 2	10:24:30	.7583	1740.30	64.57	29.90	
4/ 2	10:24:45	.7625	1769.63	64.97	29.34	
4/ 2	10:25: 0	.7667	1798.97	65.38	29.34	
4/ 2	10:25:15	.7708	1829.14	65.78	30.16	
4/ 2	10:25:30	.7750	1859.58	66.19	30.45	
4/ 2	10:25:45	.7792	1889.74	66.59	30.15	
4/ 2	10:26: 0	.7833	1920.45	67.00	30.71	
4/ 2	10:26:15	.7875	1951.19	67.44	30.73	
4/ 2	10:26:30	.7917	1981.68	67.93	30.49	
4/ 2	10:26:45	.7958	2011.89	68.42	30.21	
4/ 2	10:27: 0	.8000	2042.64	68.91	30.76	
4/ 2	10:27:15	.8042	2075.62	69.40	32.98	
4/ 2	10:27:30	.8083	2108.04	69.89	32.42	
4/ 2	10:27:45	.8125	2141.01	70.38	32.97	
4/ 2	10:28: 0	.8167	2173.96	70.86	32.95	
4/ 2	10:28:15	.8208	2206.64	71.36	32.68	
4/ 2	10:28:30	.8250	2239.59	71.85	32.95	
4/ 2	10:28:45	.8292	2274.21	72.34	34.61	
4/ 2	10:29: 0	.8333	2308.53	72.83	34.33	
4/ 2	10:29:15	.8375	2343.15	73.35	34.62	
4/ 2	10:29:30	.8417	2377.29	73.98	34.14	
4/ 2	10:29:45	.8458	2411.97	74.60	34.68	
4/ 2	10:30: 0	.8500	2446.63	75.21	34.66	
4/ 2	10:30:15	.8542	2481.30	75.83	34.66	
4/ 2	10:30:30	.8583	2516.78	76.45	35.49	
4/ 2	10:30:45	.8625	2551.15	77.07	34.37	
4/ 2	10:31: 0	.8667	2585.51	77.69	34.36	
4/ 2	10:31:15	.8708	2620.69	78.31	35.18	
4/ 2	10:31:30	.8750	2655.03	78.93	34.34	
4/ 2	10:31:45	.8792	2690.20	79.54	35.17	
4/ 2	10:32: 0	.8833	2725.36	80.17	35.16	
4/ 2	10:32:15	.8875	2759.81	80.99	34.45	
4/ 2	10:32:30	.8917	2794.64	81.99	34.83	
4/ 2	10:32:45	.8958	2829.45	82.99	34.81	
4/ 2	10:33: 0	.9000	2864.26	84.00	34.81	
4/ 2	10:33:15	.9042	2899.04	85.00	34.79	
4/ 2	10:33:30	.9083	2933.81	86.00	34.77	

WELL NAME : PUMP MESA SWD #1

DATE : 04/04/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F114403.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.
4/ 2	10:33:45	.9125	2968.86	87.01	35.05	
4/ 2	10:34: 0	.9167	3003.88	88.02	35.02	
4/ 2	10:34:15	.9208	3038.34	89.03	34.46	
4/ 2	10:34:30	.9250	3073.89	90.03	35.55	
4/ 2	10:34:45	.9292	3108.88	91.04	34.99	
4/ 2	10:35: 0	.9333	3143.85	92.05	34.97	
4/ 2	10:35:15	.9375	3178.89	93.21	35.04	
4/ 2	10:35:30	.9417	3214.19	94.37	35.30	
4/ 2	10:35:45	.9458	3249.48	95.53	35.29	
4/ 2	10:36: 0	.9500	3285.30	96.69	35.82	
4/ 2	10:36:15	.9542	3320.83	97.86	35.53	
4/ 2	10:36:30	.9583	3356.34	99.02	35.51	
4/ 2	10:36:45	.9625	3391.84	100.18	35.50	
4/ 2	10:37: 0	.9667	3427.33	101.35	35.48	
4/ 2	10:37:15	.9708	3463.07	102.51	35.74	
4/ 2	10:37:30	.9750	3498.52	103.68	35.45	
4/ 2	10:37:45	.9792	3533.95	104.85	35.43	
4/ 2	10:38: 0	.9833	3570.75	106.02	36.81	
4/ 2	10:38:15	.9875	3606.38	107.07	35.62	
4/ 2	10:38:30	.9917	3641.97	108.09	35.59	
4/ 2	10:38:45	.9958	3677.83	109.13	35.86	
4/ 2	10:39: 0	1.0000	3713.68	110.16	35.84	
4/ 2	10:39:15	1.0042	3749.78	111.18	36.10	
4/ 2	10:39:30	1.0083	3785.87	112.22	36.09	
4/ 2	10:39:45	1.0125	3821.95	113.25	36.08	
4/ 2	10:40: 0	1.0167	3856.91	114.28	34.96	
4/ 2	10:40:15	1.0208	3892.12	115.31	35.22	
4/ 2	10:40:30	1.0250	3927.33	116.35	35.21	
4/ 2	10:40:45	1.0292	3963.63	117.39	36.29	
4/ 2	10:41: 0	1.0333	4000.18	118.42	36.55	
4/ 2	10:41:15	1.0375	4036.73	119.46	36.55	
4/ 2	10:41:30	1.0417	4074.64	120.53	37.92	
4/ 2	10:41:45	1.0458	4111.72	121.60	37.07	
4/ 2	10:42: 0	1.0500	4150.43	122.67	38.71	
4/ 2	10:42:15	1.0542	4187.20	123.74	36.77	
4/ 2	10:42:30	1.0583	4221.74	124.81	34.55	
4/ 2	10:42:45	1.0625	4258.20	125.88	36.46	
4/ 2	10:43: 0	1.0667	4293.54	126.95	35.34	
4/ 2	10:43:15	1.0708	4328.32	128.03	34.78	
4/ 2	10:43:30	1.0750	4361.43	129.10	33.11	
4/ 2	10:43:45	1.0792	4389.57	130.18	28.14	
4/ 2	10:44: 0	1.0833	4418.80	131.26	29.23	
4/ 2	10:44:15	1.0875	4448.30	132.35	29.50	
4/ 2	10:44:30	1.0917	4477.73	133.24	29.43	
4/ 2	10:44:45	1.0958	4508.24	134.13	30.52	
4/ 2	10:45: 0	1.1000	4539.02	135.01	30.78	
4/ 2	10:45:15	1.1042	4568.69	135.91	29.67	
4/ 2	10:45:30	1.1083	4598.62	136.80	29.93	
4/ 2	10:45:45	1.1125	4628.26	137.68	29.64	
4/ 2	10:46: 0	1.1167	4658.72	138.57	30.46	
4/ 2	10:46:15	1.1208	4691.10	139.47	32.38	
4/ 2	10:46:30	1.1250	4725.10	140.36	34.01	
4/ 2	10:46:45	1.1292	4756.08	141.25	30.98	
4/ 2	10:47: 0	1.1333	4783.47	142.14	27.39	
4/ 2	10:47:15	1.1375	4808.72	142.04	25.25	
4/ 2	10:47:30	1.1417	4833.15	141.96	24.43	
4/ 2	10:47:45	1.1458	4855.94	141.89	22.79	
4/ 2	10:48: 0	1.1500	4878.17	141.81	22.23	
4/ 2	10:48:15	1.1542	4901.51	141.74	23.34	
4/ 2	10:48:30	1.1583	4926.77	141.66	25.26	
4/ 2	10:48:45	1.1625	4946.26	141.59	19.49	
4/ 2	10:49: 0	1.1667	4957.51	141.51	11.25	
4/ 2	10:49:15	1.1708	4962.99	141.44	5.48	
4/ 2	10:49:30	1.1750	4967.37	141.37	4.38	
4/ 2	10:49:45	1.1792	4971.76	141.30	4.38	

WELL NAME : PUMP MESA SWD #1

DATE : 04/04/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F114403.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.
-----						
4/ 2	10:50: 0	1.1833	4980.54	141.22	8.78	INSTRUMENT @ 8985' KB
4/ 2	10:50:15	1.1875	4986.01	141.12	5.48	
4/ 2	10:50:30	1.1917	4986.46	140.38	.45	
4/ 2	10:50:45	1.1958	4987.73	139.65	1.26	
4/ 2	10:51: 0	1.2000	4988.81	138.92	1.08	
4/ 2	10:51:15	1.2042	4989.83	138.18	1.02	
4/ 2	10:51:30	1.2083	4989.98	137.45	.15	
4/ 2	10:51:45	1.2125	4990.16	136.72	.18	
4/ 2	10:52: 0	1.2167	4990.33	135.99	.16	
4/ 2	10:52:15	1.2208	4990.44	135.25	.11	
4/ 2	10:52:30	1.2250	4990.42	134.52	-.02	
4/ 2	10:52:45	1.2292	4990.41	133.79	-.01	
4/ 2	10:53: 0	1.2333	4990.40	133.06	-.01	
4/ 2	10:53:15	1.2375	4990.38	132.22	-.02	
4/ 2	10:53:30	1.2417	4990.36	131.52	-.02	
4/ 2	10:53:45	1.2458	4990.33	130.84	-.03	
4/ 2	10:54: 0	1.2500	4990.31	130.18	-.02	
4/ 2	10:54:15	1.2542	4990.27	129.48	-.04	
4/ 2	10:54:30	1.2583	4990.23	128.82	-.04	
4/ 2	10:54:45	1.2625	4990.19	128.16	-.04	
4/ 2	10:55: 0	1.2667	4990.08	127.39	-.11	
4/ 2	10:55:15	1.2708	4989.98	126.73	-.09	
4/ 2	10:55:30	1.2750	4989.88	126.04	-.10	
4/ 2	10:55:45	1.2792	4989.75	125.33	-.13	
4/ 2	10:56: 0	1.2833	4989.61	124.64	-.14	
4/ 2	10:57: 0	1.3000	4988.50	122.69	-1.11	
4/ 2	10:58: 0	1.3167	4988.16	121.40	-.34	
4/ 2	10:59: 0	1.3333	4987.55	120.11	-.61	
4/ 2	11: 0: 0	1.3500	4987.26	118.82	-.29	
4/ 2	11: 1: 0	1.3667	4987.01	118.01	-.25	
4/ 2	11: 2: 0	1.3833	4986.74	117.49	-.27	
4/ 2	11: 3: 0	1.4000	4986.47	116.97	-.27	
4/ 2	11: 4: 0	1.4167	4986.22	116.45	-.25	
4/ 2	11: 5: 0	1.4333	4986.02	116.14	-.20	
4/ 2	11: 6: 0	1.4500	4985.84	115.94	-.18	
4/ 2	11: 7: 0	1.4667	4985.66	115.74	-.18	
4/ 2	11: 8: 0	1.4833	4985.51	115.54	-.15	
4/ 2	11: 9: 0	1.5000	4985.36	115.40	-.15	
4/ 2	11:10: 0	1.5167	4985.23	115.33	-.13	
4/ 2	11:11: 0	1.5333	4985.12	115.24	-.11	
4/ 2	11:12: 0	1.5500	4984.99	115.17	-.13	
4/ 2	11:13: 0	1.5667	4984.87	115.10	-.13	
4/ 2	11:14: 0	1.5833	4984.77	115.08	-.10	
4/ 2	11:15: 0	1.6000	4984.66	115.04	-.10	
4/ 2	11:16: 0	1.6167	4984.54	115.01	-.12	
4/ 2	11:17: 0	1.6333	4984.42	114.99	-.12	
4/ 2	11:18: 0	1.6500	4984.34	114.98	-.08	
4/ 2	11:19: 0	1.6667	4984.24	114.96	-.10	
4/ 2	11:20: 0	1.6833	4984.14	114.95	-.10	
4/ 2	11:21: 0	1.7000	4984.04	114.94	-.10	
4/ 2	11:22: 0	1.7167	4983.98	114.93	-.07	
4/ 2	11:23: 0	1.7333	4983.89	114.93	-.08	
4/ 2	11:24: 0	1.7500	4983.78	114.92	-.12	
4/ 2	11:25: 0	1.7667	4983.68	114.92	-.10	
4/ 2	11:26: 0	1.7833	4983.57	114.92	-.11	
4/ 2	11:27: 0	1.8000	4983.45	114.92	-.11	
4/ 2	11:28: 0	1.8167	4983.34	114.92	-.11	
4/ 2	11:29: 0	1.8333	4983.21	114.92	-.13	
4/ 2	11:30: 0	1.8500	4983.09	114.91	-.11	
4/ 2	11:31: 0	1.8667	4983.01	114.91	-.08	
4/ 2	11:32: 0	1.8833	4982.93	114.90	-.08	
4/ 2	11:33: 0	1.9000	4982.83	114.91	-.10	
4/ 2	11:34: 0	1.9167	4982.77	114.91	-.06	
4/ 2	11:35: 0	1.9333	4982.69	114.91	-.08	
4/ 2	11:36: 0	1.9500	4982.61	114.91	-.08	

WELL NAME : PUMP MESA SWD #1

DATE : 04/04/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F114403.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.	
4/ 2	11:37: 0	1.9667	4982.49	114.91	-.11		
4/ 2	11:38: 0	1.9833	4982.41	114.91	-.08		
4/ 2	11:39: 0	2.0000	4982.33	114.92	-.08		
4/ 2	11:40: 0	2.0167	4982.22	114.92	-.11		
4/ 2	11:41: 0	2.0333	4982.12	114.92	-.10		
4/ 2	11:42: 0	2.0500	4982.02	114.92	-.10		
4/ 2	11:43: 0	2.0667	4981.92	114.92	-.10		
4/ 2	11:44: 0	2.0833	4981.83	114.92	-.10		
4/ 2	11:45: 0	2.1000	4981.71	114.92	-.11		
4/ 2	11:46: 0	2.1167	4981.63	114.92	-.08		
4/ 2	11:47: 0	2.1333	4981.55	114.92	-.08		
4/ 2	11:48: 0	2.1500	4981.46	114.93	-.10		
4/ 2	11:49: 0	2.1667	4981.39	114.93	-.06		
4/ 2	11:50: 0	2.1833	4981.29	114.93	-.10		
4/ 2	11:51: 0	2.2000	4981.21	114.93	-.08		
4/ 2	11:52: 0	2.2167	4981.11	114.93	-.10		
4/ 2	11:53: 0	2.2333	4981.02	114.93	-.10		
4/ 2	11:54: 0	2.2500	4980.92	114.93	-.10		
4/ 2	11:55: 0	2.2667	4980.82	114.93	-.10		
4/ 2	11:56: 0	2.2833	4980.72	114.93	-.10		
4/ 2	11:57: 0	2.3000	4980.63	114.94	-.10		
4/ 2	11:58: 0	2.3167	4980.56	114.94	-.06		
4/ 2	11:59: 0	2.3333	4980.48	114.94	-.08		
4/ 2	12: 0: 0	2.3500	4980.38	114.94	-.10		
4/ 2	12: 1: 0	2.3667	4980.27	114.94	-.11		
4/ 2	12: 2: 0	2.3833	4980.17	114.95	-.10		
4/ 2	12: 3: 0	2.4000	4980.08	114.95	-.10		
4/ 2	12: 4: 0	2.4167	4979.98	114.96	-.10		
4/ 2	12: 5: 0	2.4333	4979.90	114.96	-.08		
4/ 2	12: 6: 0	2.4500	4979.83	114.96	-.07		
4/ 2	12: 7: 0	2.4667	4979.75	114.97	-.08		
4/ 2	12: 8: 0	2.4833	4979.69	114.98	-.06		
4/ 2	12: 9: 0	2.5000	4979.61	114.98	-.08		
4/ 2	12:10: 0	2.5167	4979.53	114.99	-.08		
4/ 2	12:11: 0	2.5333	4979.47	114.99	-.06		
4/ 2	12:12: 0	2.5500	4979.38	114.99	-.08		
4/ 2	12:13: 0	2.5667	4979.30	114.99	-.08		
4/ 2	12:14: 0	2.5833	4979.19	114.99	-.11		
4/ 2	12:15: 0	2.6000	4979.09	114.99	-.10		
4/ 2	12:16: 0	2.6167	4979.00	115.00	-.10		
4/ 2	12:17: 0	2.6333	4978.88	115.00	-.11		
4/ 2	12:18: 0	2.6500	4978.77	115.01	-.11		
4/ 2	12:19: 0	2.6667	4978.67	115.01	-.10		
4/ 2	12:20: 0	2.6833	4978.58	115.01	-.10		
4/ 2	12:21: 0	2.7000	4978.48	115.01	-.10		
4/ 2	12:22: 0	2.7167	4978.38	115.01	-.10		
4/ 2	12:23: 0	2.7333	4978.01	115.01	-.37		
4/ 2	12:24: 0	2.7500	<del>4977.62</del>	115.01	-.39		
4/ 2	12:25: 0	2.7667	4984.79	115.03	7.17		
4/ 2	12:25:15	2.7708	4982.30	115.03	-2.49		
4/ 2	12:25:30	2.7750	4984.79	115.02	2.49		
4/ 2	12:25:45	2.7792	4985.37	115.01	.58		
4/ 2	12:26: 0	2.7833	4986.77	115.01	1.40		
4/ 2	12:26:15	2.7875	4986.78	115.00	.01		
4/ 2	12:26:30	2.7917	4986.80	114.99	.02		
4/ 2	12:26:45	2.7958	4989.17	114.99	2.38		
4/ 2	12:27: 0	2.8000	4989.61	114.98	.44		
4/ 2	12:27:15	2.8042	4988.75	114.97	-.86		
4/ 2	12:27:30	2.8083	4987.38	114.96	-1.37		
4/ 2	12:27:45	2.8125	4987.36	114.96	-.02		
4/ 2	12:28: 0	2.8167	4986.77	114.95	-.59		
4/ 2	12:29: 0	2.8333	4986.41	114.90	-.37		
Start ->	4/ 2	12:30: 0	2.8500	4991.14	114.99	4.73	RATE #1 - 1 BPM
	4/ 2	12:31: 0	2.8667	4994.19	115.08	3.05	
	4/ 2	12:32: 0	2.8833	4995.38	115.17	1.19	

WELL NAME : PUMP MESA SWD #1

DATE : 04/04/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F114403.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.
4/ 2	12:33: 0	2.9000	4997.32	115.89	1.94	
4/ 2	12:34: 0	2.9167	4997.34	118.86	.02	
4/ 2	12:35: 0	2.9333	4998.26	122.11	.93	
4/ 2	12:36: 0	2.9500	4998.53	125.22	.27	
4/ 2	12:37: 0	2.9667	4999.74	129.61	1.20	
4/ 2	12:38: 0	2.9833	5001.61	133.26	1.87	
4/ 2	12:39: 0	3.0000	5003.61	136.91	2.00	
4/ 2	12:40: 0	3.0167	5005.90	140.57	2.29	
4/ 2	12:41: 0	3.0333	5008.37	142.91	2.47	
4/ 2	12:42: 0	3.0500	5010.68	143.62	2.32	
4/ 2	12:43: 0	3.0667	5013.00	144.33	2.32	
4/ 2	12:44: 0	3.0833	5015.32	145.04	2.32	
4/ 2	12:45: 0	3.1000	5023.11	144.41	7.79	RATE #2 - 2 BPM
4/ 2	12:45:15	3.1042	5023.80	144.19	.69	
4/ 2	12:45:30	3.1083	5025.13	143.94	1.33	
4/ 2	12:45:45	3.1125	5026.32	143.69	1.19	
4/ 2	12:46: 0	3.1167	5027.52	143.44	1.20	
4/ 2	12:46:15	3.1208	5028.71	143.19	1.19	
4/ 2	12:46:30	3.1250	5029.76	142.94	1.06	
4/ 2	12:46:45	3.1292	5030.67	142.69	.91	
4/ 2	12:47: 0	3.1333	5031.60	142.44	.93	
4/ 2	12:47:15	3.1375	5032.84	142.19	1.23	
4/ 2	12:47:30	3.1417	5033.15	141.94	.31	
4/ 2	12:47:45	3.1458	5034.34	141.69	1.19	
4/ 2	12:48: 0	3.1500	5034.64	141.44	.30	
4/ 2	12:48:15	3.1542	5035.24	141.27	.60	
4/ 2	12:48:30	3.1583	5036.38	141.15	1.14	
4/ 2	12:48:45	3.1625	5036.71	141.04	.32	
4/ 2	12:49: 0	3.1667	5037.25	140.93	.55	
4/ 2	12:49:15	3.1708	5038.38	140.82	1.13	
4/ 2	12:49:30	3.1750	5038.67	140.71	.29	
4/ 2	12:49:45	3.1792	5039.25	140.60	.58	
4/ 2	12:50: 0	3.1833	5039.93	140.49	.68	
4/ 2	12:50:15	3.1875	5041.06	140.38	1.13	
4/ 2	12:50:30	3.1917	5041.40	140.27	.34	
4/ 2	12:50:45	3.1958	5042.40	140.16	1.00	
4/ 2	12:51: 0	3.2000	5042.73	140.05	.34	
4/ 2	12:51:15	3.2042	5043.41	139.95	.68	
4/ 2	12:51:30	3.2083	5044.54	139.79	1.12	
4/ 2	12:51:45	3.2125	5044.87	139.63	.33	
4/ 2	12:52: 0	3.2167	5045.86	139.47	.99	
4/ 2	12:52:15	3.2208	5046.19	139.31	.33	
4/ 2	12:52:30	3.2250	5047.18	139.15	.99	
4/ 2	12:52:45	3.2292	5047.46	138.99	.28	
4/ 2	12:53: 0	3.2333	5048.03	138.82	.57	
4/ 2	12:53:15	3.2375	5049.03	138.67	.99	
4/ 2	12:53:30	3.2417	5049.36	138.51	.33	
4/ 2	12:53:45	3.2458	5050.03	138.35	.67	
4/ 2	12:54: 0	3.2500	5051.15	138.19	1.12	
4/ 2	12:54:15	3.2542	5051.42	137.96	.27	
4/ 2	12:54:30	3.2583	5051.80	137.71	.38	
4/ 2	12:54:45	3.2625	5052.24	137.44	.44	
4/ 2	12:55: 0	3.2667	5052.99	137.18	.75	
4/ 2	12:55:15	3.2708	5053.97	136.92	.98	
4/ 2	12:55:30	3.2750	5054.24	136.66	.26	
4/ 2	12:55:45	3.2792	5054.62	136.40	.38	
4/ 2	12:56: 0	3.2833	5055.06	136.14	.44	
4/ 2	12:56:15	3.2875	5055.54	135.88	.48	
4/ 2	12:56:30	3.2917	5056.32	135.62	.78	
4/ 2	12:56:45	3.2958	5057.30	135.36	.98	
4/ 2	12:57: 0	3.3000	5057.57	135.11	.27	
4/ 2	12:57:15	3.3042	5057.91	134.84	.35	
4/ 2	12:57:30	3.3083	5058.50	134.66	.59	
4/ 2	12:57:45	3.3125	5059.29	134.47	.79	
4/ 2	12:58: 0	3.3167	5059.49	134.29	.20	



WELL NAME : PUMP MESA SWD #1

DATE : 04/04/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F114403.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.
4/ 2	12:58:15	3.3208	5059.82	134.11	.33	
4/ 2	12:58:30	3.3250	5060.21	133.93	.39	
4/ 2	12:58:45	3.3292	5060.60	133.74	.39	
4/ 2	12:59: 0	3.3333	5061.03	133.56	.42	
4/ 2	12:59:15	3.3375	5061.75	133.38	.72	
4/ 2	12:59:30	3.3417	5062.56	133.19	.81	
4/ 2	12:59:45	3.3458	5066.08	133.01	3.52	
4/ 2	13: 0: 0	3.3500	5067.07	132.83	.99	RATE #3 - 3 BPM
4/ 2	13: 0:15	3.3542	5068.55	132.77	1.48	
4/ 2	13: 0:30	3.3583	5069.81	132.87	1.26	
4/ 2	13: 0:45	3.3625	5070.91	132.97	1.10	
4/ 2	13: 1: 0	3.3667	5072.04	133.07	1.13	
4/ 2	13: 1:15	3.3708	5073.15	133.17	1.10	
4/ 2	13: 1:30	3.3750	5074.13	133.26	.98	
4/ 2	13: 1:45	3.3792	5075.10	133.36	.97	
4/ 2	13: 2: 0	3.3833	5075.94	133.46	.84	
4/ 2	13: 2:15	3.3875	5076.78	133.56	.84	
4/ 2	13: 2:30	3.3917	5077.63	133.66	.84	
4/ 2	13: 2:45	3.3958	5078.47	133.76	.84	
4/ 2	13: 3: 0	3.4000	5079.31	133.85	.84	
4/ 2	13: 3:15	3.4042	5080.17	134.09	.86	
4/ 2	13: 3:30	3.4083	5081.04	134.40	.87	
4/ 2	13: 3:45	3.4125	5082.24	134.71	1.20	
4/ 2	13: 4: 0	3.4167	5082.64	135.01	.40	
4/ 2	13: 4:15	3.4208	5083.71	135.32	1.07	
4/ 2	13: 4:30	3.4250	5084.11	135.63	.40	
4/ 2	13: 4:45	3.4292	5085.39	135.94	1.28	
4/ 2	13: 5: 0	3.4333	5085.77	136.25	.39	
4/ 2	13: 5:15	3.4375	5086.45	136.56	.68	
4/ 2	13: 5:30	3.4417	5087.20	136.87	.74	
4/ 2	13: 5:45	3.4458	5088.39	137.18	1.20	
4/ 2	13: 6: 0	3.4500	5088.79	137.49	.40	
4/ 2	13: 6:15	3.4542	5089.86	137.82	1.07	
4/ 2	13: 6:30	3.4583	5090.26	138.10	.40	
4/ 2	13: 6:45	3.4625	5091.54	138.39	1.27	
4/ 2	13: 7: 0	3.4667	5091.92	138.68	.38	
4/ 2	13: 7:15	3.4708	5092.59	138.96	.67	
4/ 2	13: 7:30	3.4750	5093.65	139.25	1.06	
4/ 2	13: 7:45	3.4792	5094.06	139.54	.40	
4/ 2	13: 8: 0	3.4833	5094.79	139.83	.74	
4/ 2	13: 8:15	3.4875	5095.98	140.11	1.19	
4/ 2	13: 8:30	3.4917	5096.38	140.40	.40	
4/ 2	13: 8:45	3.4958	5097.45	140.69	1.06	
4/ 2	13: 9: 0	3.5000	5097.79	140.97	.35	
4/ 2	13: 9:15	3.5042	5098.25	141.20	.46	
4/ 2	13: 9:30	3.5083	5099.00	141.37	.75	
4/ 2	13: 9:45	3.5125	5100.05	141.54	1.04	
4/ 2	13:10: 0	3.5167	5100.43	141.71	.38	
4/ 2	13:10:15	3.5208	5101.47	141.87	1.04	
4/ 2	13:10:30	3.5250	5101.85	142.04	.38	
4/ 2	13:10:45	3.5292	5102.90	142.21	1.04	
4/ 2	13:11: 0	3.5333	5103.28	142.38	.38	
4/ 2	13:11:15	3.5375	5104.32	142.54	1.04	
4/ 2	13:11:30	3.5417	5104.65	142.71	.33	
4/ 2	13:11:45	3.5458	5105.27	142.88	.62	
4/ 2	13:12: 0	3.5500	5106.31	143.04	1.04	
4/ 2	13:12:15	3.5542	5106.64	143.15	.32	
4/ 2	13:12:30	3.5583	5107.07	143.22	.43	
4/ 2	13:12:45	3.5625	5107.56	143.27	.49	
4/ 2	13:13: 0	3.5667	5108.09	143.33	.53	
4/ 2	13:13:15	3.5708	5108.92	143.40	.83	
4/ 2	13:13:30	3.5750	5109.95	143.45	1.03	
4/ 2	13:13:45	3.5792	5110.26	143.51	.32	
4/ 2	13:14: 0	3.5833	5110.87	143.56	.60	
4/ 2	13:14:15	3.5875	5105.09	143.63	-5.77	

WELL NAME : PUMP MESA SWD #1

DATE : 04/04/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F114403.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.
4/ 2	13:14:30	3.5917	<del>5107.85</del>	143.68	2.75	
4/ 2	13:14:45	3.5958	5113.63	143.74	5.78	
4/ 2	13:15: 0	3.6000	5117.75	143.80	4.13	RATE #4 - 4 BPM
4/ 2	13:15:15	3.6042	5117.61	143.81	-.14	
4/ 2	13:15:30	3.6083	5118.21	143.80	.60	
4/ 2	13:15:45	3.6125	5119.72	143.78	1.52	
4/ 2	13:16: 0	3.6167	5121.22	143.77	1.50	
4/ 2	13:16:15	3.6208	5122.74	143.76	1.52	
4/ 2	13:16:30	3.6250	5124.09	143.74	1.35	
4/ 2	13:16:45	3.6292	5125.19	143.72	1.10	
4/ 2	13:17: 0	3.6333	5126.29	143.71	1.10	
4/ 2	13:17:15	3.6375	5127.53	143.69	1.24	
4/ 2	13:17:30	3.6417	5128.75	143.68	1.23	
4/ 2	13:17:45	3.6458	5129.70	143.66	.95	
4/ 2	13:18: 0	3.6500	5130.67	143.65	.97	
4/ 2	13:18:15	3.6542	5131.62	143.61	.95	
4/ 2	13:18:30	3.6583	5132.57	143.51	.96	
4/ 2	13:18:45	3.6625	5133.84	143.43	1.26	
4/ 2	13:19: 0	3.6667	5134.18	143.34	.34	
4/ 2	13:19:15	3.6708	5135.01	143.25	.83	
4/ 2	13:19:30	3.6750	5135.95	143.16	.94	
4/ 2	13:19:45	3.6792	5136.91	143.08	.96	
4/ 2	13:20: 0	3.6833	5137.85	142.98	.94	
4/ 2	13:20:15	3.6875	5138.66	142.90	.81	
4/ 2	13:20:30	3.6917	5139.47	142.81	.81	
4/ 2	13:20:45	3.6958	5140.43	142.72	.96	
4/ 2	13:21: 0	3.7000	5141.69	142.63	1.26	
4/ 2	13:21:15	3.7042	5142.03	142.51	.34	
4/ 2	13:21:30	3.7083	5142.70	142.36	.67	
4/ 2	13:21:45	3.7125	5143.51	142.22	.80	
4/ 2	13:22: 0	3.7167	5144.31	142.07	.80	
4/ 2	13:22:15	3.7208	5145.12	141.93	.80	
4/ 2	13:22:30	3.7250	5146.24	141.78	1.13	
4/ 2	13:22:45	3.7292	5146.58	141.64	.34	
4/ 2	13:23: 0	3.7333	5147.25	141.49	.67	
4/ 2	13:23:15	3.7375	5148.06	141.35	.81	
4/ 2	13:23:30	3.7417	5148.86	141.20	.80	
4/ 2	13:23:45	3.7458	5149.92	141.06	1.06	
4/ 2	13:24: 0	3.7500	5150.18	140.91	.25	
4/ 2	13:24:15	3.7542	5150.72	140.75	.54	
4/ 2	13:24:30	3.7583	5151.52	140.59	.80	
4/ 2	13:24:45	3.7625	5152.33	140.42	.80	
4/ 2	13:25: 0	3.7667	5153.13	140.26	.80	
4/ 2	13:25:15	3.7708	5153.93	140.09	.80	
4/ 2	13:25:30	3.7750	5154.73	139.93	.80	
4/ 2	13:25:45	3.7792	5155.53	139.76	.80	
4/ 2	13:26: 0	3.7833	5156.66	139.59	1.13	
4/ 2	13:26:15	3.7875	5156.99	139.43	.33	
4/ 2	13:26:30	3.7917	5157.66	139.26	.67	
4/ 2	13:26:45	3.7958	5158.46	139.09	.80	
4/ 2	13:27: 0	3.8000	5159.59	138.93	1.13	
4/ 2	13:27:15	3.8042	5159.92	138.76	.33	
4/ 2	13:27:30	3.8083	5160.92	138.59	1.00	
4/ 2	13:27:45	3.8125	5161.20	138.42	.28	
4/ 2	13:28: 0	3.8167	5161.60	138.24	.40	
4/ 2	13:28:15	3.8208	5162.31	138.07	.71	
4/ 2	13:28:30	3.8250	5163.30	137.90	.99	
4/ 2	13:28:45	3.8292	5163.63	137.72	.33	
4/ 2	13:29: 0	3.8333	5164.63	137.54	.99	
4/ 2	13:29:15	3.8375	5164.96	137.37	.33	
4/ 2	13:29:30	3.8417	5167.95	137.20	2.99	
4/ 2	13:29:45	3.8458	5172.60	137.02	4.65	
4/ 2	13:30: 0	3.8500	5173.01	136.85	.41	RATE #5 - 5 BPM
4/ 2	13:30:15	3.8542	5173.81	136.67	.80	
4/ 2	13:30:30	3.8583	5175.05	136.47	1.24	

WELL NAME : PUMP MESA SWD #1

DATE : 04/04/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F114403.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.
4/ 2	13:30:45	3.8625	5176.82	136.27	1.77	
4/ 2	13:31: 0	3.8667	5178.43	136.06	1.61	
4/ 2	13:31:15	3.8708	5178.41	135.87	-.02	
4/ 2	13:31:30	3.8750	5181.77	135.66	3.36	
4/ 2	13:31:45	3.8792	5180.87	135.46	-.90	
4/ 2	13:32: 0	3.8833	5180.65	135.25	-.22	
4/ 2	13:32:15	3.8875	5185.00	135.06	4.35	
4/ 2	13:32:30	3.8917	5185.41	134.85	.41	
4/ 2	13:32:45	3.8958	5189.90	134.65	4.49	
4/ 2	13:33: 0	3.9000	5186.84	134.45	-3.05	
4/ 2	13:33:15	3.9042	5189.84	134.23	3.00	
4/ 2	13:33:30	3.9083	5189.86	133.99	.02	
4/ 2	13:33:45	3.9125	5190.07	133.75	.21	
4/ 2	13:34: 0	3.9167	5190.73	133.50	.66	
4/ 2	13:34:15	3.9208	5192.06	133.26	1.33	
4/ 2	13:34:30	3.9250	5192.46	133.02	.39	
4/ 2	13:34:45	3.9292	5193.12	132.78	.67	
4/ 2	13:35: 0	3.9333	5194.06	132.53	.94	
4/ 2	13:35:15	3.9375	5195.13	132.29	1.07	
4/ 2	13:35:30	3.9417	5196.06	132.05	.93	
4/ 2	13:35:45	3.9458	5196.85	131.81	.80	
4/ 2	13:36: 0	3.9500	5197.65	131.57	.79	
4/ 2	13:36:15	3.9542	5198.44	131.32	.79	
4/ 2	13:36:30	3.9583	5199.24	131.07	.79	
4/ 2	13:36:45	3.9625	5200.03	130.82	.79	
4/ 2	13:37: 0	3.9667	5200.83	130.57	.80	
4/ 2	13:37:15	3.9708	5201.62	130.32	.79	
4/ 2	13:37:30	3.9750	5202.42	130.08	.80	
4/ 2	13:37:45	3.9792	5203.21	129.82	.79	
4/ 2	13:38: 0	3.9833	5204.27	129.58	1.06	
4/ 2	13:38:15	3.9875	5204.51	129.33	.24	
4/ 2	13:38:30	3.9917	5204.02	129.08	-.49	
4/ 2	13:38:45	3.9958	5204.24	128.83	.21	
4/ 2	13:39: 0	4.0000	5204.51	128.58	.28	
4/ 2	13:39:15	4.0042	5204.90	128.34	.39	
4/ 2	13:39:30	4.0083	5205.60	128.10	.70	
4/ 2	13:39:45	4.0125	5206.60	127.86	.99	
4/ 2	13:40: 0	4.0167	5206.92	127.62	.33	
4/ 2	13:40:15	4.0208	5207.92	127.39	.99	
4/ 2	13:40:30	4.0250	5208.24	127.15	.33	
4/ 2	13:40:45	4.0292	5210.95	126.91	2.71	
4/ 2	13:41: 0	4.0333	5211.49	126.67	.54	
4/ 2	13:41:15	4.0375	5211.50	126.43	.01	
4/ 2	13:41:30	4.0417	5211.74	126.20	.24	
4/ 2	13:41:45	4.0458	5212.10	125.96	.36	
4/ 2	13:42: 0	4.0500	5212.75	125.72	.65	
4/ 2	13:42:15	4.0542	5213.42	125.48	.67	
4/ 2	13:42:30	4.0583	5214.22	125.23	.80	
4/ 2	13:42:45	4.0625	5215.01	124.99	.80	
4/ 2	13:43: 0	4.0667	5215.81	124.74	.80	
4/ 2	13:43:15	4.0708	5216.93	124.50	1.12	
4/ 2	13:43:30	4.0750	5217.26	124.25	.33	
4/ 2	13:43:45	4.0792	5217.93	124.01	.67	
4/ 2	13:44: 0	4.0833	5218.73	123.77	.80	
4/ 2	13:44:15	4.0875	5219.67	123.53	.94	
4/ 2	13:44:30	4.0917	5224.30	123.28	4.63	
4/ 2	13:44:45	4.0958	5225.29	123.04	.99	
4/ 2	13:45: 0	4.1000	5226.90	122.79	1.61	RATE #6 - 6 BPM
4/ 2	13:45:15	4.1042	5228.25	122.56	1.35	
4/ 2	13:45:30	4.1083	5229.46	122.32	1.20	
4/ 2	13:45:45	4.1125	5230.53	122.07	1.08	
4/ 2	13:46: 0	4.1167	5231.46	121.84	.93	
4/ 2	13:46:15	4.1208	5232.41	121.59	.95	
4/ 2	13:46:30	4.1250	5233.63	121.36	1.22	
4/ 2	13:46:45	4.1292	5234.69	121.11	1.06	

WELL NAME : PUMP MESA SWD #1

DATE : 04/04/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F114403.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.
4/ 2	13:47: 0	4.1333	5235.63	120.87	.95	
4/ 2	13:47:15	4.1375	5236.71	120.63	1.08	
4/ 2	13:47:30	4.1417	5237.64	120.39	.93	
4/ 2	13:47:45	4.1458	5238.59	120.15	.95	
4/ 2	13:48: 0	4.1500	5239.52	119.91	.93	
4/ 2	13:48:15	4.1542	5240.32	119.67	.80	
4/ 2	13:48:30	4.1583	5241.27	119.45	.95	
4/ 2	13:48:45	4.1625	5242.20	119.22	.93	
4/ 2	13:49: 0	4.1667	5243.00	118.99	.80	
4/ 2	13:49:15	4.1708	5243.80	118.76	.80	
4/ 2	13:49:30	4.1750	5244.60	118.53	.80	
4/ 2	13:49:45	4.1792	5245.40	118.30	.80	
4/ 2	13:50: 0	4.1833	5246.21	118.07	.80	
4/ 2	13:50:15	4.1875	5247.55	117.84	1.34	
4/ 2	13:50:30	4.1917	5247.86	117.61	.31	
4/ 2	13:50:45	4.1958	5248.27	117.38	.41	
4/ 2	13:51: 0	4.2000	5248.72	117.15	.45	
4/ 2	13:51:15	4.2042	5249.38	116.94	.66	
4/ 2	13:51:30	4.2083	5250.18	116.73	.81	
4/ 2	13:51:45	4.2125	5250.38	116.52	.20	
4/ 2	13:52: 0	4.2167	5250.83	116.32	.45	
4/ 2	13:52:15	4.2208	5251.51	116.11	.67	
4/ 2	13:52:30	4.2250	5252.31	115.90	.81	
4/ 2	13:52:45	4.2292	5253.12	115.70	.81	
4/ 2	13:53: 0	4.2333	5253.92	115.49	.80	
4/ 2	13:53:15	4.2375	5255.06	115.29	1.13	
4/ 2	13:53:30	4.2417	5255.39	115.08	.34	
4/ 2	13:53:45	4.2458	5256.39	114.88	1.00	
4/ 2	13:54: 0	4.2500	5256.68	114.67	.29	
4/ 2	13:54:15	4.2542	5257.26	114.47	.58	
4/ 2	13:54:30	4.2583	5258.47	114.28	1.22	
4/ 2	13:54:45	4.2625	5258.87	114.08	.40	
4/ 2	13:55: 0	4.2667	5259.87	113.88	1.00	
4/ 2	13:55:15	4.2708	5260.21	113.68	.34	
4/ 2	13:55:30	4.2750	5260.89	113.48	.68	
4/ 2	13:55:45	4.2792	5261.69	113.28	.81	
4/ 2	13:56: 0	4.2833	5262.50	113.08	.81	
4/ 2	13:56:15	4.2875	5263.63	112.88	1.13	
4/ 2	13:56:30	4.2917	5263.97	112.68	.33	
4/ 2	13:56:45	4.2958	5264.97	112.48	1.00	
4/ 2	13:57: 0	4.3000	5265.31	112.29	.34	
4/ 2	13:57:15	4.3042	5266.31	112.08	1.00	
4/ 2	13:57:30	4.3083	5266.65	111.90	.34	
4/ 2	13:57:45	4.3125	5267.33	111.70	.68	
4/ 2	13:58: 0	4.3167	5268.46	111.51	1.13	
4/ 2	13:58:15	4.3208	5268.80	111.32	.34	
4/ 2	13:58:30	4.3250	5269.48	111.13	.68	
4/ 2	13:58:45	4.3292	5270.28	110.93	.81	
4/ 2	13:59: 0	4.3333	5271.68	110.74	1.40	
4/ 2	13:59:15	4.3375	5276.17	110.55	4.49	
4/ 2	13:59:30	4.3417	5276.58	110.36	.42	
4/ 2	13:59:45	4.3458	5277.87	110.16	1.28	
4/ 2	14: 0: 0	4.3500	5278.11	109.98	.24	
4/ 2	14: 0:15	4.3542	5278.59	109.80	.48	
4/ 2	14: 0:30	4.3583	5279.60	109.62	1.01	
4/ 2	14: 0:45	4.3625	5279.94	109.46	.34	
4/ 2	14: 1: 0	4.3667	5280.77	109.28	.83	
4/ 2	14: 1:15	4.3708	5281.71	109.12	.94	
4/ 2	14: 1:30	4.3750	5282.67	108.94	.96	
4/ 2	14: 1:45	4.3792	5283.76	108.78	1.09	
4/ 2	14: 2: 0	4.3833	5284.70	108.61	.94	
4/ 2	14: 2:15	4.3875	5285.51	108.44	.81	
4/ 2	14: 2:30	4.3917	5286.32	108.27	.81	
4/ 2	14: 2:45	4.3958	5287.14	108.10	.81	
4/ 2	14: 3: 0	4.4000	5287.95	107.93	.81	

RATE #7 - 7 BPM

WELL NAME : PUMP MESA SWD #1

DATE : 04/04/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F114403.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.
4/ 2 14: 3:15		4.4042	5288.76	107.77	.81	
4/ 2 14: 3:30		4.4083	5290.12	107.62	1.35	
4/ 2 14: 3:45		4.4125	5290.52	107.46	.41	
4/ 2 14: 4: 0		4.4167	5291.21	107.31	.69	
4/ 2 14: 4:15		4.4208	5292.35	107.16	1.14	
4/ 2 14: 4:30		4.4250	5292.69	107.01	.34	
4/ 2 14: 4:45		4.4292	5293.37	106.86	.69	
4/ 2 14: 5: 0		4.4333	5294.19	106.70	.81	
4/ 2 14: 5:15		4.4375	5295.26	106.55	1.08	
4/ 2 14: 5:30		4.4417	5295.52	106.40	.26	
4/ 2 14: 5:45		4.4458	5296.40	106.25	.88	
4/ 2 14: 6: 0		4.4500	5296.75	106.10	.34	
4/ 2 14: 6:15		4.4542	5297.43	105.94	.68	
4/ 2 14: 6:30		4.4583	5298.57	105.80	1.14	
4/ 2 14: 6:45		4.4625	5298.92	105.65	.34	
4/ 2 14: 7: 0		4.4667	5299.60	105.51	.69	
4/ 2 14: 7:15		4.4708	5300.75	105.37	1.14	
4/ 2 14: 7:30		4.4750	5301.04	105.23	.29	
4/ 2 14: 7:45		4.4792	5301.63	105.09	.59	
4/ 2 14: 8: 0		4.4833	5302.64	104.95	1.01	
4/ 2 14: 8:15		4.4875	5302.94	104.80	.29	
4/ 2 14: 8:30		4.4917	5303.35	104.67	.41	
4/ 2 14: 8:45		4.4958	5303.82	104.52	.47	
4/ 2 14: 9: 0		4.5000	5304.33	104.38	.51	
4/ 2 14: 9:15		4.5042	5305.14	104.24	.82	
4/ 2 14: 9:30		4.5083	5306.09	104.11	.95	
4/ 2 14: 9:45		4.5125	5306.35	103.97	.26	
4/ 2 14:10: 0		4.5167	5307.24	103.84	.88	
4/ 2 14:10:15		4.5208	5307.58	103.70	.35	
4/ 2 14:10:30		4.5250	5308.74	103.56	1.16	
4/ 2 14:10:45		4.5292	5308.99	103.43	.25	
4/ 2 14:11: 0		4.5333	5309.35	103.29	.36	
4/ 2 14:11:15		4.5375	5309.81	103.15	.46	
4/ 2 14:11:30		4.5417	5310.56	103.02	.75	
4/ 2 14:11:45		4.5458	5311.51	102.88	.95	
4/ 2 14:12: 0		4.5500	5311.69	102.75	.18	
4/ 2 14:12:15		4.5542	5312.04	102.61	.35	
4/ 2 14:12:30		4.5583	5312.92	102.49	.88	
4/ 2 14:12:45		4.5625	5313.22	102.37	.30	
4/ 2 14:13: 0		4.5667	5313.81	102.25	.59	
4/ 2 14:13:15		4.5708	5314.83	102.13	1.02	
4/ 2 14:13:30		4.5750	5315.09	102.01	.26	
4/ 2 14:13:45		4.5792	5315.57	101.88	.48	
4/ 2 14:14: 0		4.5833	<del>5316.13</del>	101.77	.56	
4/ 2 14:14:15		4.5875	5319.56	101.64	3.43	
4/ 2 14:14:30		4.5917	5320.28	101.53	.72	
4/ 2 14:14:45		4.5958	5321.50	101.40	1.23	
4/ 2 14:15: 0		4.6000	5322.60	101.29	1.10	
4/ 2 14:15:15		4.6042	5323.70	101.17	1.10	
4/ 2 14:15:30		4.6083	5324.65	101.06	.95	
4/ 2 14:15:45		4.6125	5325.80	100.96	1.15	
4/ 2 14:16: 0		4.6167	5326.15	100.86	.35	
4/ 2 14:16:15		4.6208	5326.84	100.75	.69	
4/ 2 14:16:30		4.6250	5327.99	100.65	1.15	
4/ 2 14:16:45		4.6292	5328.34	100.54	.35	
4/ 2 14:17: 0		4.6333	5329.35	100.44	1.02	
4/ 2 14:17:15		4.6375	5329.70	100.33	.35	
4/ 2 14:17:30		4.6417	5330.72	100.23	1.02	
4/ 2 14:17:45		4.6458	5331.07	100.13	.35	
4/ 2 14:18: 0		4.6500	5332.09	100.02	1.02	
4/ 2 14:18:15		4.6542	5332.39	99.92	.30	
4/ 2 14:18:30		4.6583	5332.80	99.83	.42	
4/ 2 14:18:45		4.6625	5333.53	99.74	.72	
4/ 2 14:19: 0		4.6667	5334.55	99.64	1.02	
4/ 2 14:19:15		4.6708	5334.85	99.56	.30	

RATE #8 - 8 BPM

WELL NAME : PUMP MESA SWD #1

DATE : 04/04/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F114403.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.
4/ 2	14:19:30	4.6750	5335.27	99.47	.42	
4/ 2	14:19:45	4.6792	5335.75	99.37	.48	
4/ 2	14:20: 0	4.6833	5336.26	99.28	.51	
4/ 2	14:20:15	4.6875	5336.79	99.19	.53	
4/ 2	14:20:30	4.6917	5337.33	99.10	.54	
4/ 2	14:20:45	4.6958	5337.88	99.00	.55	
4/ 2	14:21: 0	4.7000	5338.43	98.92	.55	
4/ 2	14:21:15	4.7042	5338.97	98.83	.55	
4/ 2	14:21:30	4.7083	5339.49	98.74	.51	
4/ 2	14:21:45	4.7125	5340.21	98.65	.73	
4/ 2	14:22: 0	4.7167	5341.10	98.57	.89	
4/ 2	14:22:15	4.7208	5341.40	98.48	.30	
4/ 2	14:22:30	4.7250	5341.82	98.40	.42	
4/ 2	14:22:45	4.7292	5342.30	98.31	.48	
4/ 2	14:23: 0	4.7333	5342.82	98.23	.51	
4/ 2	14:23:15	4.7375	5343.35	98.14	.53	
4/ 2	14:23:30	4.7417	5343.89	98.06	.55	
4/ 2	14:23:45	4.7458	5344.44	97.97	.55	
4/ 2	14:24: 0	4.7500	5344.92	97.88	.48	
4/ 2	14:24:15	4.7542	5345.53	97.79	.61	
4/ 2	14:24:30	4.7583	5346.29	97.71	.76	
4/ 2	14:24:45	4.7625	5346.53	97.63	.24	
4/ 2	14:25: 0	4.7667	5346.90	97.55	.37	
4/ 2	14:25:15	4.7708	5347.66	97.46	.76	
4/ 2	14:25:30	4.7750	5347.93	97.38	.27	
4/ 2	14:25:45	4.7792	5348.26	97.30	.34	
4/ 2	14:26: 0	4.7833	5348.66	97.22	.40	
4/ 2	14:26:15	4.7875	5349.11	97.13	.45	
4/ 2	14:26:30	4.7917	5349.53	97.05	.42	
4/ 2	14:26:45	4.7958	5349.95	96.97	.42	
4/ 2	14:27: 0	4.8000	5350.59	96.89	.65	
4/ 2	14:28: 0	4.8167	5351.57	96.56	.98	
4/ 2	14:29: 0	4.8333	5353.51	96.29	1.93	
4/ 2	14:30: 0	4.8500	5359.25	96.01	5.74	8.2 BPM - SUPPLY PROBLEMS FROM PLANT
4/ 2	14:31: 0	4.8667	5362.27	95.73	3.03	
4/ 2	14:32: 0	4.8833	5362.84	95.48	.57	
4/ 2	14:33: 0	4.9000	5353.35	95.23	-9.49	
4/ 2	14:33:15	4.9042	5353.05	95.18	-.30	
4/ 2	14:33:30	4.9083	5353.66	95.13	.62	
4/ 2	14:33:45	4.9125	5357.77	95.08	4.11	
4/ 2	14:34: 0	4.9167	5358.80	95.02	1.02	
4/ 2	14:34:15	4.9208	5362.21	94.98	3.41	
4/ 2	14:34:30	4.9250	5363.08	94.92	.88	
4/ 2	14:34:45	4.9292	5364.60	94.87	1.52	
4/ 2	14:35: 0	4.9333	5368.58	94.82	3.98	
4/ 2	14:35:15	4.9375	5369.75	94.77	1.17	
4/ 2	14:35:30	4.9417	5371.82	94.71	2.07	
4/ 2	14:35:45	4.9458	5373.17	94.67	1.35	
4/ 2	14:36: 0	4.9500	5374.44	94.61	1.27	
4/ 2	14:36:15	4.9542	5376.40	94.58	1.96	
4/ 2	14:36:30	4.9583	5378.32	94.55	1.92	
4/ 2	14:36:45	4.9625	5379.54	94.53	1.22	
4/ 2	14:37: 0	4.9667	5381.13	94.51	1.58	
4/ 2	14:37:15	4.9708	5381.47	94.48	.34	
4/ 2	14:37:30	4.9750	5382.02	94.46	.55	
4/ 2	14:37:45	4.9792	5383.34	94.44	1.32	
4/ 2	14:38: 0	4.9833	5383.83	94.42	.49	
4/ 2	14:38:15	4.9875	5384.86	94.39	1.03	
4/ 2	14:38:30	4.9917	5385.13	94.37	.28	
4/ 2	14:38:45	4.9958	5385.38	94.35	.24	
4/ 2	14:39: 0	5.0000	5385.60	94.32	.23	
4/ 2	14:39:15	5.0042	5386.11	94.32	.51	
4/ 2	14:39:30	5.0083	5386.09	94.32	-.02	
4/ 2	14:39:45	5.0125	5386.62	94.33	.52	
4/ 2	14:40: 0	5.0167	5387.19	94.33	.57	

WELL NAME : PUMP MESA SWD #1

DATE : 04/04/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F114403.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.
4/ 2	14:40:15	5.0208	5387.65	94.34	.46	
4/ 2	14:40:30	5.0250	5388.01	94.34	.36	
4/ 2	14:40:45	5.0292	5388.40	94.35	.39	
4/ 2	14:41: 0	5.0333	5388.81	94.35	.41	
4/ 2	14:41:15	5.0375	5389.15	94.35	.34	
4/ 2	14:41:30	5.0417	5389.66	94.35	.51	
4/ 2	14:41:45	5.0458	5390.83	94.36	1.18	
4/ 2	14:42: 0	5.0500	5391.18	94.36	.34	
4/ 2	14:43: 0	5.0667	5395.75	94.38	4.58	
4/ 2	14:44: 0	5.0833	5399.64	94.36	3.89	
4/ 2	14:45: 0	5.1000	5400.52	94.34	.88	
4/ 2	14:46: 0	5.1167	5404.36	94.32	3.84	
4/ 2	14:47: 0	5.1333	5405.38	94.32	1.03	
4/ 2	14:48: 0	5.1500	5403.80	94.35	-1.58	
4/ 2	14:49: 0	5.1667	5417.13	94.39	13.33	
4/ 2	14:49:15	5.1708	5418.02	94.39	.88	
4/ 2	14:49:30	5.1750	5419.73	94.40	1.71	
4/ 2	14:49:45	5.1792	5419.90	94.41	.16	
4/ 2	14:50: 0	5.1833	5418.90	94.41	-1.00	RATE #9 - 9 BPM
4/ 2	14:50:15	5.1875	5422.69	94.43	3.79	
4/ 2	14:50:30	5.1917	5423.28	94.43	.59	
4/ 2	14:50:45	5.1958	5424.25	94.44	.97	
4/ 2	14:51: 0	5.2000	5425.23	94.45	.98	
4/ 2	14:51:15	5.2042	5426.94	94.46	1.71	
4/ 2	14:51:30	5.2083	5427.43	94.47	.49	
4/ 2	14:51:45	5.2125	5428.14	94.47	.70	
4/ 2	14:52: 0	5.2167	5428.97	94.49	.83	
4/ 2	14:52:15	5.2208	5430.13	94.50	1.16	
4/ 2	14:52:30	5.2250	5430.49	94.52	.36	
4/ 2	14:52:45	5.2292	5431.19	94.54	.70	
4/ 2	14:53: 0	5.2333	5432.36	94.56	1.16	
4/ 2	14:53:15	5.2375	5432.72	94.58	.36	
4/ 2	14:53:30	5.2417	5433.75	94.61	1.03	
4/ 2	14:53:45	5.2458	5434.06	94.63	.31	
4/ 2	14:54: 0	5.2500	5434.67	94.65	.61	
4/ 2	14:54:15	5.2542	5435.70	94.67	1.03	
4/ 2	14:54:30	5.2583	5435.98	94.69	.28	
4/ 2	14:54:45	5.2625	5436.32	94.71	.34	
4/ 2	14:55: 0	5.2667	5436.73	94.74	.41	
4/ 2	14:55:15	5.2708	5437.19	94.76	.46	
4/ 2	14:55:30	5.2750	5437.62	94.78	.43	
4/ 2	14:55:45	5.2792	5438.29	94.81	.67	
4/ 2	14:56: 0	5.2833	5439.25	94.84	.97	
4/ 2	14:56:15	5.2875	5439.48	94.87	.23	
4/ 2	14:56:30	5.2917	5439.85	94.89	.36	
4/ 2	14:56:45	5.2958	5440.27	94.92	.43	
4/ 2	14:57: 0	5.3000	5440.93	94.94	.65	
4/ 2	14:57:15	5.3042	5441.50	94.97	.57	
4/ 2	14:57:30	5.3083	5441.49	95.00	-.01	
4/ 2	14:57:45	5.3125	5442.04	95.02	.55	
4/ 2	14:58: 0	5.3167	5442.47	95.05	.43	
4/ 2	14:59: 0	5.3333	5443.62	95.13	1.15	
4/ 2	15: 0: 0	5.3500	5445.44	95.19	1.82	
4/ 2	15: 1: 0	5.3667	5447.24	95.24	1.80	
4/ 2	15: 2: 0	5.3833	5448.76	95.29	1.52	
4/ 2	15: 3: 0	5.4000	5450.82	95.29	2.06	
4/ 2	15: 4: 0	5.4167	5451.37	95.26	.55	
4/ 2	15: 5: 0	5.4333	5458.85	95.24	7.48	RATE #10 - 10 BPM
4/ 2	15: 5:15	5.4375	5459.29	95.23	.44	
4/ 2	15: 5:30	5.4417	5460.27	95.21	.98	
4/ 2	15: 5:45	5.4458	5461.67	95.20	1.40	
4/ 2	15: 6: 0	5.4500	5463.19	95.18	1.52	
4/ 2	15: 6:15	5.4542	5468.56	95.17	5.37	
4/ 2	15: 6:30	5.4583	5472.17	95.15	3.61	
4/ 2	15: 6:45	5.4625	5473.20	95.14	1.03	

WELL NAME : PUMP MESA SWD #1

DATE : 04/04/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F114403.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.
4/ 2	15: 7: 0	5.4667	5473.34	95.13	.15	
4/ 2	15: 7:15	5.4708	5473.13	95.11	-.21	
4/ 2	15: 7:30	5.4750	5473.12	95.10	-.01	
4/ 2	15: 7:45	5.4792	5473.13	95.09	.01	
4/ 2	15: 8: 0	5.4833	5473.14	95.07	.01	
4/ 2	15: 8:15	5.4875	5473.62	95.06	.48	
4/ 2	15: 8:30	5.4917	5474.02	95.04	.41	
4/ 2	15: 8:45	5.4958	5474.48	95.02	.46	
4/ 2	15: 9: 0	5.5000	5474.99	95.01	.51	
4/ 2	15: 9:15	5.5042	5475.51	94.99	.52	
4/ 2	15: 9:30	5.5083	5476.04	94.98	.54	
4/ 2	15: 9:45	5.5125	5476.57	94.96	.52	
4/ 2	15:10: 0	5.5167	5477.02	94.95	.46	
4/ 2	15:10:15	5.5208	5477.73	94.93	.70	
4/ 2	15:10:30	5.5250	5478.69	94.92	.96	
4/ 2	15:10:45	5.5292	5478.92	94.90	.23	
4/ 2	15:11: 0	5.5333	5479.24	94.88	.33	
4/ 2	15:11:15	5.5375	5479.58	94.87	.34	
4/ 2	15:11:30	5.5417	5479.89	94.86	.31	
4/ 2	15:11:45	5.5458	5480.22	94.84	.32	
4/ 2	15:12: 0	5.5500	5480.59	94.82	.37	
4/ 2	15:12:15	5.5542	5480.98	94.80	.39	
4/ 2	15:12:30	5.5583	5481.42	94.78	.44	
4/ 2	15:12:45	5.5625	5481.88	94.76	.46	
4/ 2	15:13: 0	5.5667	5482.29	94.74	.41	
4/ 2	15:13:15	5.5708	5482.84	94.71	.55	
4/ 2	15:13:30	5.5750	5483.67	94.69	.83	
4/ 2	15:13:45	5.5792	5483.90	94.67	.23	
4/ 2	15:14: 0	5.5833	5484.37	94.66	.47	
4/ 2	15:15: 0	5.6000	5485.36	94.58	.99	
4/ 2	15:16: 0	5.6167	5486.89	94.49	1.53	
4/ 2	15:17: 0	5.6333	5492.95	94.40	6.06	
4/ 2	15:18: 0	5.6500	5501.27	94.30	8.32	
4/ 2	15:18:15	5.6542	5501.86	94.29	.59	
4/ 2	15:18:30	5.6583	5507.10	94.26	5.24	
4/ 2	15:18:45	5.6625	5512.10	94.24	5.00	
4/ 2	15:19: 0	5.6667	5513.27	94.22	1.17	
4/ 2	15:19:15	5.6708	5515.05	94.19	1.78	
4/ 2	15:19:30	5.6750	5518.21	94.17	3.15	
4/ 2	15:19:45	5.6792	5519.23	94.15	1.03	
4/ 2	15:20: 0	5.6833	5521.32	94.13	2.09	
4/ 2	15:20:15	5.6875	5519.04	94.11	-2.29	
4/ 2	15:20:30	5.6917	5523.20	94.08	4.16	
4/ 2	15:20:45	5.6958	5524.23	94.06	1.03	
4/ 2	15:21: 0	5.7000	5526.02	94.04	1.79	
4/ 2	15:21:15	5.7042	5527.54	94.02	1.52	
4/ 2	15:21:30	5.7083	5529.08	93.98	1.53	
4/ 2	15:21:45	5.7125	5532.64	93.95	3.56	
4/ 2	15:22: 0	5.7167	5538.75	93.91	6.11	
4/ 2	15:22:15	5.7208	5539.77	93.88	1.03	
4/ 2	15:22:30	5.7250	5541.86	93.84	2.09	
4/ 2	15:22:45	5.7292	5545.41	93.81	3.54	
4/ 2	15:23: 0	5.7333	5546.43	93.78	1.03	
4/ 2	15:23:15	5.7375	5548.38	93.74	1.94	
4/ 2	15:23:30	5.7417	5550.02	93.71	1.65	
4/ 2	15:23:45	5.7458	5551.67	93.67	1.65	
4/ 2	15:24: 0	5.7500	5551.69	93.63	.02	
4/ 2	15:24:15	5.7542	5551.93	93.60	.24	
4/ 2	15:24:30	5.7583	5552.79	93.56	.86	
4/ 2	15:24:45	5.7625	5554.18	93.52	1.39	
4/ 2	15:25: 0	5.7667	5555.81	93.48	1.63	
4/ 2	15:25:15	5.7708	5556.24	93.44	.42	
4/ 2	15:25:30	5.7750	5556.94	93.40	.70	
4/ 2	15:25:45	5.7792	5557.77	93.36	.83	
4/ 2	15:26: 0	5.7833	5558.89	93.32	1.13	

RATE #11 - 11 BPM



WELL NAME : PUMP MESA SWD #1

DATE : 04/04/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F114403.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.
4/ 2	15:26:15	5.7875	5559.99	93.27	1.09	
4/ 2	15:26:30	5.7917	5560.82	93.23	.83	
4/ 2	15:26:45	5.7958	5561.94	93.19	1.13	
4/ 2	15:27: 0	5.8000	5563.36	93.15	1.42	
4/ 2	15:27:15	5.8042	5563.61	93.10	.24	
4/ 2	15:27:30	5.8083	5563.98	93.07	.38	
4/ 2	15:27:45	5.8125	5570.65	93.03	6.67	
4/ 2	15:28: 0	5.8167	5575.09	93.00	4.44	
4/ 2	15:28:15	5.8208	5575.38	92.97	.29	
4/ 2	15:28:30	5.8250	5571.20	92.93	-4.19	
4/ 2	15:28:45	5.8292	5577.03	92.89	5.83	
4/ 2	15:29: 0	5.8333	5579.53	92.86	2.50	
4/ 2	15:29:15	5.8375	5582.58	92.82	3.05	
4/ 2	15:29:30	5.8417	5585.08	92.79	2.50	
4/ 2	15:29:45	5.8458	5586.11	92.75	1.03	
4/ 2	15:30: 0	5.8500	5588.85	92.72	2.74	
4/ 2	15:30:15	5.8542	5589.54	92.68	.69	
4/ 2	15:30:30	5.8583	5590.54	92.65	1.00	
4/ 2	15:30:45	5.8625	5591.78	92.62	1.24	
4/ 2	15:31: 0	5.8667	5592.89	92.59	1.11	
4/ 2	15:31:15	5.8708	5594.00	92.55	1.11	
4/ 2	15:31:30	5.8750	5594.96	92.52	.96	
4/ 2	15:31:45	5.8792	5595.94	92.49	.98	
4/ 2	15:32: 0	5.8833	5597.05	92.46	1.11	
4/ 2	15:32:15	5.8875	5598.01	92.42	.96	
4/ 2	15:32:30	5.8917	5598.99	92.40	.98	
4/ 2	15:32:45	5.8958	5599.95	92.36	.96	
4/ 2	15:33: 0	5.9000	5601.33	92.33	1.37	
4/ 2	15:33:15	5.9042	5601.75	92.32	.42	
4/ 2	15:33:30	5.9083	5602.45	92.31	.70	
4/ 2	15:33:45	5.9125	5603.43	92.29	.98	
4/ 2	15:34: 0	5.9167	5604.40	92.28	.96	
4/ 2	15:34:15	5.9208	5605.23	92.27	.83	
4/ 2	15:34:30	5.9250	5606.39	92.25	1.16	
4/ 2	15:34:45	5.9292	5606.75	92.24	.36	
4/ 2	15:35: 0	5.9333	5584.78	92.22	-21.97	RATE #12 - 10 BPM
4/ 2	15:35:15	5.9375	5554.22	92.21	-30.56	
4/ 2	15:35:30	5.9417	5540.60	92.20	-13.61	
4/ 2	15:35:45	5.9458	5530.32	92.18	-10.28	
4/ 2	15:36: 0	5.9500	5521.15	92.17	-9.17	
4/ 2	15:36:15	5.9542	5512.26	92.16	-8.89	
4/ 2	15:36:30	5.9583	5503.92	92.16	-8.33	
4/ 2	15:36:45	5.9625	5496.15	92.18	-7.78	
4/ 2	15:37: 0	5.9667	5489.20	92.18	-6.95	
4/ 2	15:37:15	5.9708	5482.81	92.20	-6.39	
4/ 2	15:37:30	5.9750	5476.98	92.20	-5.83	
4/ 2	15:37:45	5.9792	5471.14	92.22	-5.83	
4/ 2	15:38: 0	5.9833	5466.42	92.22	-4.72	
4/ 2	15:38:15	5.9875	5461.14	92.24	-5.28	
4/ 2	15:38:30	5.9917	5456.14	92.25	-5.00	
4/ 2	15:38:45	5.9958	5451.14	92.26	-5.00	
4/ 2	15:39: 0	6.0000	5446.42	92.27	-4.72	
4/ 2	15:39:15	6.0042	5442.25	92.29	-4.17	
4/ 2	15:39:30	6.0083	5437.81	92.29	-4.44	
4/ 2	15:39:45	6.0125	5433.64	92.29	-4.17	
4/ 2	15:40: 0	6.0167	5429.75	92.29	-3.89	SHUT DOWN PUMPING
4/ 2	15:40:15	6.0208	5425.86	92.29	-3.89	
4/ 2	15:40:30	6.0250	5421.97	92.29	-3.89	
4/ 2	15:40:45	6.0292	5418.64	92.30	-3.33	
4/ 2	15:41: 0	6.0333	5415.31	92.30	-3.33	
4/ 2	15:41:15	6.0375	5411.97	92.30	-3.33	
4/ 2	15:41:30	6.0417	5409.19	92.30	-2.78	
4/ 2	15:41:45	6.0458	5405.86	92.30	-3.33	
4/ 2	15:42: 0	6.0500	5403.08	92.30	-2.78	
4/ 2	15:42:15	6.0542	5400.58	92.30	-2.50	

WELL NAME : PUMP MESA SWD #1

DATE : 04/04/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F114403.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.
4/ 2	15:42:30	6.0583	5398.08	92.31	-2.50	
4/ 2	15:42:45	6.0625	5396.91	92.33	-1.17	
4/ 2	15:43: 0	6.0667	5394.69	92.34	-2.22	
4/ 2	15:43:15	6.0708	5392.46	92.36	-2.22	
4/ 2	15:43:30	6.0750	5390.39	92.37	-2.07	
4/ 2	15:43:45	6.0792	5388.59	92.39	-1.80	
4/ 2	15:44: 0	6.0833	5386.93	92.40	-1.67	
4/ 2	15:44:15	6.0875	5385.41	92.42	-1.52	
4/ 2	15:44:30	6.0917	5384.02	92.43	-1.39	
4/ 2	15:44:45	6.0958	5382.63	92.44	-1.39	
4/ 2	15:45: 0	6.1000	5381.39	92.46	-1.24	
4/ 2	15:45:15	6.1042	5380.43	92.49	-.96	
4/ 2	15:45:30	6.1083	5379.60	92.51	-.83	
4/ 2	15:45:45	6.1125	5378.77	92.55	-.83	
4/ 2	15:46: 0	6.1167	5377.94	92.58	-.83	
4/ 2	15:46:15	6.1208	5376.96	92.61	-.98	
4/ 2	15:46:30	6.1250	5375.67	92.64	-1.29	
4/ 2	15:46:45	6.1292	5375.32	92.68	-.36	
4/ 2	15:47: 0	6.1333	5374.62	92.71	-.70	
4/ 2	15:47:15	6.1375	5373.46	92.74	-1.16	
4/ 2	15:47:30	6.1417	5373.10	92.77	-.36	
4/ 2	15:47:45	6.1458	5372.26	92.81	-.85	
4/ 2	15:48: 0	6.1500	5370.97	92.83	-1.29	
4/ 2	15:48:15	6.1542	5370.61	92.88	-.36	
4/ 2	15:48:30	6.1583	5369.92	92.95	-.70	
4/ 2	15:48:45	6.1625	5369.09	93.01	-.83	
4/ 2	15:49: 0	6.1667	5367.94	93.08	-1.15	
4/ 2	15:49:15	6.1708	5367.63	93.14	-.31	
4/ 2	15:49:30	6.1750	5367.03	93.21	-.60	
4/ 2	15:49:45	6.1792	5365.79	93.27	-1.24	
4/ 2	15:50: 0	6.1833	5365.46	93.34	-.34	
4/ 2	15:50:15	6.1875	5364.83	93.40	-.63	
4/ 2	15:50:30	6.1917	5364.13	93.47	-.70	
4/ 2	15:50:45	6.1958	5362.98	93.54	-1.15	
4/ 2	15:51: 0	6.2000	5362.67	93.60	-.31	
4/ 2	15:51:15	6.2042	5362.08	93.71	-.59	
4/ 2	15:51:30	6.2083	5361.38	93.82	-.69	
4/ 2	15:51:45	6.2125	5360.24	93.95	-1.15	
4/ 2	15:52: 0	6.2167	5359.89	94.07	-.35	
4/ 2	15:52:15	6.2208	5358.87	94.19	-1.02	
4/ 2	15:52:30	6.2250	5358.52	94.32	-.35	
4/ 2	15:52:45	6.2292	5357.83	94.44	-.69	
4/ 2	15:53: 0	6.2333	5356.71	94.56	-1.12	INSTRUMENT OFF BOTTOM
4/ 2	15:53:15	6.2375	5348.58	94.69	-8.14	
4/ 2	15:53:30	6.2417	5333.87	94.81	-14.70	
4/ 2	15:53:45	6.2458	5318.89	94.93	-14.98	
4/ 2	15:54: 0	6.2500	5301.69	95.05	-17.20	
4/ 2	15:54:15	6.2542	5279.21	95.17	-22.48	
4/ 2	15:54:30	6.2583	5254.54	95.43	-24.68	
4/ 2	15:54:45	6.2625	5229.03	95.69	-25.51	
4/ 2	15:55: 0	6.2667	5204.36	95.95	-24.67	
4/ 2	15:55:15	6.2708	5180.25	96.21	-24.11	
4/ 2	15:55:30	6.2750	5151.70	96.47	-28.55	
4/ 2	15:55:45	6.2792	5120.65	96.74	-31.04	
4/ 2	15:56: 0	6.2833	5089.89	97.00	-30.76	
4/ 2	15:56:15	6.2875	5059.14	97.26	-30.76	
4/ 2	15:56:30	6.2917	5028.10	97.52	-31.03	
4/ 2	15:56:45	6.2958	4997.36	97.78	-30.75	
4/ 2	15:57: 0	6.3000	4968.00	98.04	-29.36	
4/ 2	15:57:15	6.3042	4945.83	98.17	-22.17	
4/ 2	15:57:30	6.3083	4923.66	98.25	-22.17	
4/ 2	15:57:45	6.3125	4896.22	98.33	-27.44	
4/ 2	15:58: 0	6.3167	4864.34	98.41	-31.88	
4/ 2	15:58:15	6.3208	4832.74	98.50	-31.60	
4/ 2	15:58:30	6.3250	4800.87	98.58	-31.87	

WELL NAME : PUMP MESA SWD #1

DATE : 04/04/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F114403.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.
4/ 2	15:58:45	6.3292	4766.50	98.65	-34.37	
4/ 2	15:59: 0	6.3333	4731.86	98.74	-34.64	
4/ 2	15:59:15	6.3375	4696.67	98.82	-35.19	
4/ 2	15:59:30	6.3417	4660.09	98.90	-36.58	
4/ 2	15:59:45	6.3458	4622.96	98.98	-37.13	
4/ 2	16: 0: 0	6.3500	4586.11	99.07	-36.85	
4/ 2	16: 0:15	6.3542	4549.53	99.12	-36.58	
4/ 2	16: 0:30	6.3583	4512.36	99.04	-37.17	
4/ 2	16: 0:45	6.3625	4475.19	98.96	-37.17	
4/ 2	16: 1: 0	6.3667	4437.74	98.87	-37.45	
4/ 2	16: 1:15	6.3708	4400.30	98.79	-37.45	
4/ 2	16: 1:30	6.3750	4361.19	98.71	-39.11	
4/ 2	16: 1:45	6.3792	4321.52	98.63	-39.66	
4/ 2	16: 2: 0	6.3833	4281.86	98.54	-39.67	
4/ 2	16: 2:15	6.3875	4240.53	98.46	-41.33	
4/ 2	16: 2:30	6.3917	4199.48	98.38	-41.05	
4/ 2	16: 2:45	6.3958	4158.15	98.30	-41.33	
4/ 2	16: 3: 0	6.4000	4116.27	98.21	-41.88	
4/ 2	16: 3:15	6.4042	4075.18	98.04	-41.09	
4/ 2	16: 3:30	6.4083	4031.31	97.82	-43.87	
4/ 2	16: 3:45	6.4125	3986.60	97.60	-44.71	
4/ 2	16: 4: 0	6.4167	3942.16	97.38	-44.44	
4/ 2	16: 4:15	6.4208	3897.17	97.16	-44.99	
4/ 2	16: 4:30	6.4250	3851.62	96.94	-45.55	
4/ 2	16: 4:45	6.4292	3806.62	96.72	-45.00	
4/ 2	16: 5: 0	6.4333	3761.34	96.50	-45.28	
4/ 2	16: 5:15	6.4375	3715.51	96.28	-45.83	
4/ 2	16: 5:30	6.4417	3669.39	96.06	-46.11	
4/ 2	16: 5:45	6.4458	3623.00	95.84	-46.40	
4/ 2	16: 6: 0	6.4500	3576.05	95.63	-46.95	
4/ 2	16: 6:15	6.4542	3529.63	95.37	-46.42	
4/ 2	16: 6:30	6.4583	3482.91	95.08	-46.71	
4/ 2	16: 6:45	6.4625	3436.75	94.79	-46.17	
4/ 2	16: 7: 0	6.4667	3389.75	94.50	-47.00	
4/ 2	16: 7:15	6.4708	3342.46	94.21	-47.28	
4/ 2	16: 7:30	6.4750	3293.79	93.93	-48.67	
4/ 2	16: 7:45	6.4792	3245.67	93.63	-48.13	
4/ 2	16: 8: 0	6.4833	3197.81	93.34	-47.85	
4/ 2	16: 8:15	6.4875	3148.30	93.06	-49.52	
4/ 2	16: 8:30	6.4917	3098.23	92.77	-50.07	
4/ 2	16: 8:45	6.4958	3046.76	92.48	-51.47	
4/ 2	16: 9: 0	6.5000	2996.11	92.19	-50.64	
4/ 2	16: 9:15	6.5042	2945.46	91.88	-50.66	
4/ 2	16: 9:30	6.5083	2894.48	91.50	-50.98	
4/ 2	16: 9:45	6.5125	2843.22	91.14	-51.26	
4/ 2	16:10: 0	6.5167	2790.84	90.77	-52.38	
4/ 2	16:10:15	6.5208	2739.02	90.41	-51.82	
4/ 2	16:10:30	6.5250	2688.02	90.04	-51.00	
4/ 2	16:10:45	6.5292	2636.18	89.68	-51.83	
4/ 2	16:11: 0	6.5333	2583.50	89.31	-52.68	
4/ 2	16:11:15	6.5375	2530.26	88.94	-53.24	
4/ 2	16:11:30	6.5417	2478.68	88.57	-51.58	
4/ 2	16:11:45	6.5458	2425.99	88.21	-52.69	
4/ 2	16:12: 0	6.5500	2373.01	87.84	-52.98	
4/ 2	16:12:15	6.5542	2318.88	87.43	-54.13	
4/ 2	16:12:30	6.5583	2266.14	87.04	-52.73	
4/ 2	16:12:45	6.5625	2212.83	86.63	-53.31	
4/ 2	16:13: 0	6.5667	2159.24	86.23	-53.59	
4/ 2	16:13:15	6.5708	2105.09	85.83	-54.15	
4/ 2	16:13:30	6.5750	2051.20	85.42	-53.89	
4/ 2	16:13:45	6.5792	1997.59	85.02	-53.61	
4/ 2	16:14: 0	6.5833	1942.86	84.62	-54.73	
4/ 2	16:14:15	6.5875	1887.84	84.21	-55.02	
4/ 2	16:14:30	6.5917	1833.37	83.81	-54.47	
4/ 2	16:14:45	6.5958	1778.62	83.41	-54.75	

WELL NAME : PUMP MESA SWD #1

DATE : 04/04/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F114403.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.
4/ 2	16:15: 0	6.6000	1723.30	83.01	-55.32	
4/ 2	16:15:15	6.6042	1667.44	82.63	-55.86	
4/ 2	16:15:30	6.6083	1613.00	82.29	-54.44	
4/ 2	16:15:45	6.6125	1557.44	81.95	-55.56	
4/ 2	16:16: 0	6.6167	1503.83	81.62	-53.61	
4/ 2	16:16:15	6.6208	1453.25	81.28	-50.57	
4/ 2	16:16:30	6.6250	1408.49	80.93	-44.76	
4/ 2	16:16:45	6.6292	1379.30	80.60	-29.19	
4/ 2	16:17: 0	6.6333	1366.20	80.26	-13.10	
4/ 2	16:17:15	6.6375	1360.88	79.92	-5.32	
4/ 2	16:17:30	6.6417	1359.86	79.59	-1.02	
4/ 2	16:17:45	6.6458	1359.79	79.25	-.07	
4/ 2	16:18: 0	6.6500	1359.73	78.92	-.06	
4/ 2	16:18:15	6.6542	1351.27	78.59	-8.45	
4/ 2	16:18:30	6.6583	1345.43	78.29	-5.84	
4/ 2	16:18:45	6.6625	1336.53	77.99	-8.90	
4/ 2	16:19: 0	6.6667	1145.89	77.68	-190.63	
4/ 2	16:19:15	6.6708	.01	77.38	-1145.88	
4/ 2	16:19:30	6.6750	.01	77.07	.00	
4/ 2	16:19:45	6.6792	.01	76.76	.00	
4/ 2	16:20: 0	6.6833	.01	76.46	.00	
4/ 2	16:20:15	6.6875	.01	76.15	.00	
4/ 2	16:20:30	6.6917	.01	75.85	.00	
4/ 2	16:20:45	6.6958	.01	75.54	.00	
4/ 2	16:21: 0	6.7000	.01	75.24	.00	
4/ 2	16:21:15	6.7042	.01	74.93	.00	
4/ 2	16:21:30	6.7083	.01	74.68	.00	
4/ 2	16:21:45	6.7125	.01	74.41	.00	
4/ 2	16:22: 0	6.7167	.01	74.15	.00	
4/ 2	16:22:15	6.7208	.01	73.89	.00	
4/ 2	16:22:30	6.7250	.01	73.63	.00	
4/ 2	16:22:45	6.7292	.01	73.36	.00	
4/ 2	16:23: 0	6.7333	.01	73.10	.00	
4/ 2	16:23:15	6.7375	.01	72.84	.00	
4/ 2	16:23:30	6.7417	.01	72.57	.00	
4/ 2	16:23:45	6.7458	.01	72.31	.00	
4/ 2	16:24: 0	6.7500	.01	72.05	.00	
4/ 2	16:25: 0	6.7667	.01	71.29	.00	
4/ 2	16:26: 0	6.7833	.01	70.71	.00	
4/ 2	16:27: 0	6.8000	.01	70.13	.00	
4/ 2	16:28: 0	6.8167	.01	69.56	.00	
4/ 2	16:29: 0	6.8333	.01	69.11	.00	
4/ 2	16:30: 0	6.8500	.01	68.78	.00	
4/ 2	16:31: 0	6.8667	.01	68.45	.00	
4/ 2	16:32: 0	6.8833	.01	68.12	.00	
4/ 2	16:33: 0	6.9000	.01	67.88	.00	
4/ 2	16:34: 0	6.9167	.01	67.61	.00	
4/ 2	16:35: 0	6.9333	.01	67.36	.00	
4/ 2	16:36: 0	6.9500	.01	67.09	.00	
4/ 2	16:37: 0	6.9667	.01	66.84	.00	
4/ 2	16:38: 0	6.9833	.01	66.61	.00	
4/ 2	16:39: 0	7.0000	.01	66.37	.00	

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 \* EVENT SUMMARY \*  
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COMPANY : BLACKWOOD AND NICHOLS CO, LTD.

PAGE : B

WELL NAME : PUMP MESA SWD #1

DATE : 04/04/91

WELL LOCATION : SAN JUAN COUNTY, NEW MEXICO

FILE REF: F114403.DAT

Date	Time	Test Time	Key Event	Pressure	Temp
MM/DD	hh:mm:ss	hhhh.hhhh		Psig	Deg F
4/ 2	10:50: 0	1.1833	INSTRUMENT @ 8985' KB	4980.54	141.22
4/ 2	12:30: 0	2.8500	RATE #1 - 1 BPM	4991.14	114.99
4/ 2	12:45: 0	3.1000	RATE #2 - 2 BPM	5023.11	144.41
4/ 2	13: 0: 0	3.3500	RATE #3 - 3 BPM	5067.07	132.83
4/ 2	13:15: 0	3.6000	RATE #4 - 4 BPM	5117.75	143.80
4/ 2	13:30: 0	3.8500	RATE #5 - 5 BPM	5173.01	136.85
4/ 2	13:45: 0	4.1000	RATE #6 - 6 BPM	5226.90	122.79
4/ 2	14: 0: 0	4.3500	RATE #7 - 7 BPM	5278.11	109.98
4/ 2	14:15: 0	4.6000	RATE #8 - 8 BPM	5322.60	101.29
4/ 2	14:30: 0	4.8500	8.2 BPM - SUPPLY PROBLEMS FROM PLANT	5359.25	96.01
4/ 2	14:50: 0	5.1833	RATE #9 - 9 BPM	5418.90	94.41
4/ 2	15: 5: 0	5.4333	RATE #10 - 10 BPM	5458.85	95.24
4/ 2	15:20: 0	5.6833	RATE #11 - 11 BPM	5521.32	94.13
4/ 2	15:35: 0	5.9333	RATE #12 - 10 BPM	5584.78	92.22
4/ 2	15:40: 0	6.0167	SHUT DOWN PUMPING	5429.75	92.29
4/ 2	15:53: 0	6.2333	INSTRUMENT OFF BOTTOM	5356.71	94.56

BLACKMOOD AND NICHOLS CO, LTD.

Pwf vs Elapsed Time

PUMP MESA SUD #1  
SAN JUAN COUNTY, N.M.  
F114403.DHT

TEFFELLER, INC.  
4-2-91  
STEP-RATE

