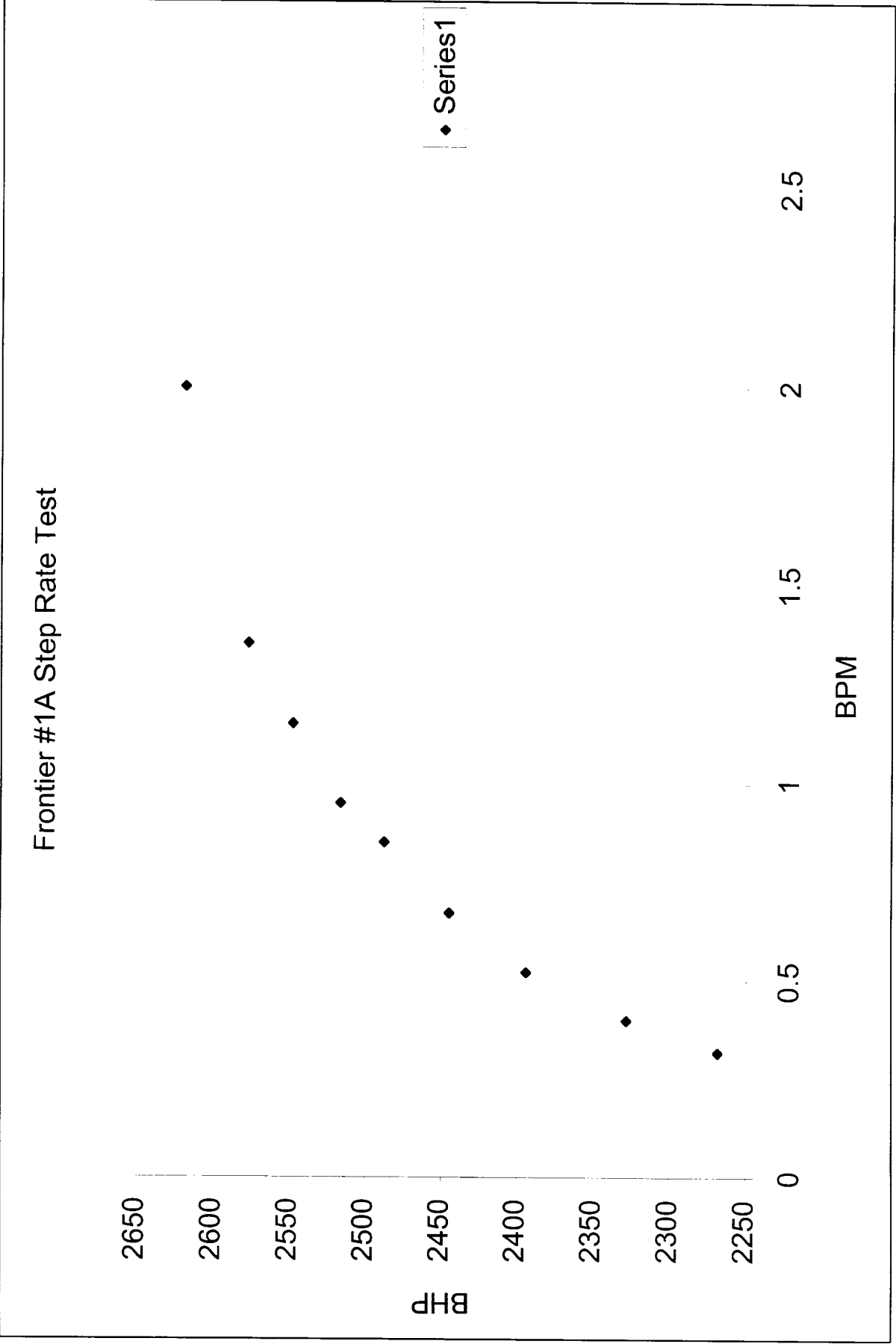




Control Number: 003914

POINT OF DISPOSITION AND WELL COMPLETION INFORMATION

OGRID: 000778 Operator Name: AMOCO PRODUCTION CO
PO BOX 21178

TULSA

OK 74121

C-115 Filer Contact Name: _____

Phone: () _____

FAX: () _____

POD: 0388510 Product Type: OIL Facility Type: 03 Location: F 10 31N 11W County SAN JUAN

OGRID Name

OGRID Name

Authorized Transporter(s): 014546 MERIDIAN OIL INC.

Description of POD (40 characters or less): _____

POD: 0388530 Product Type: GAS Facility Type: 01 Location: F 10 31N 11W County SAN JUAN

OGRID Name

OGRID Name

Authorized Transporter(s): 007057 EL PASO NATURAL GAS COMPANY

Description of POD (40 characters or less): _____

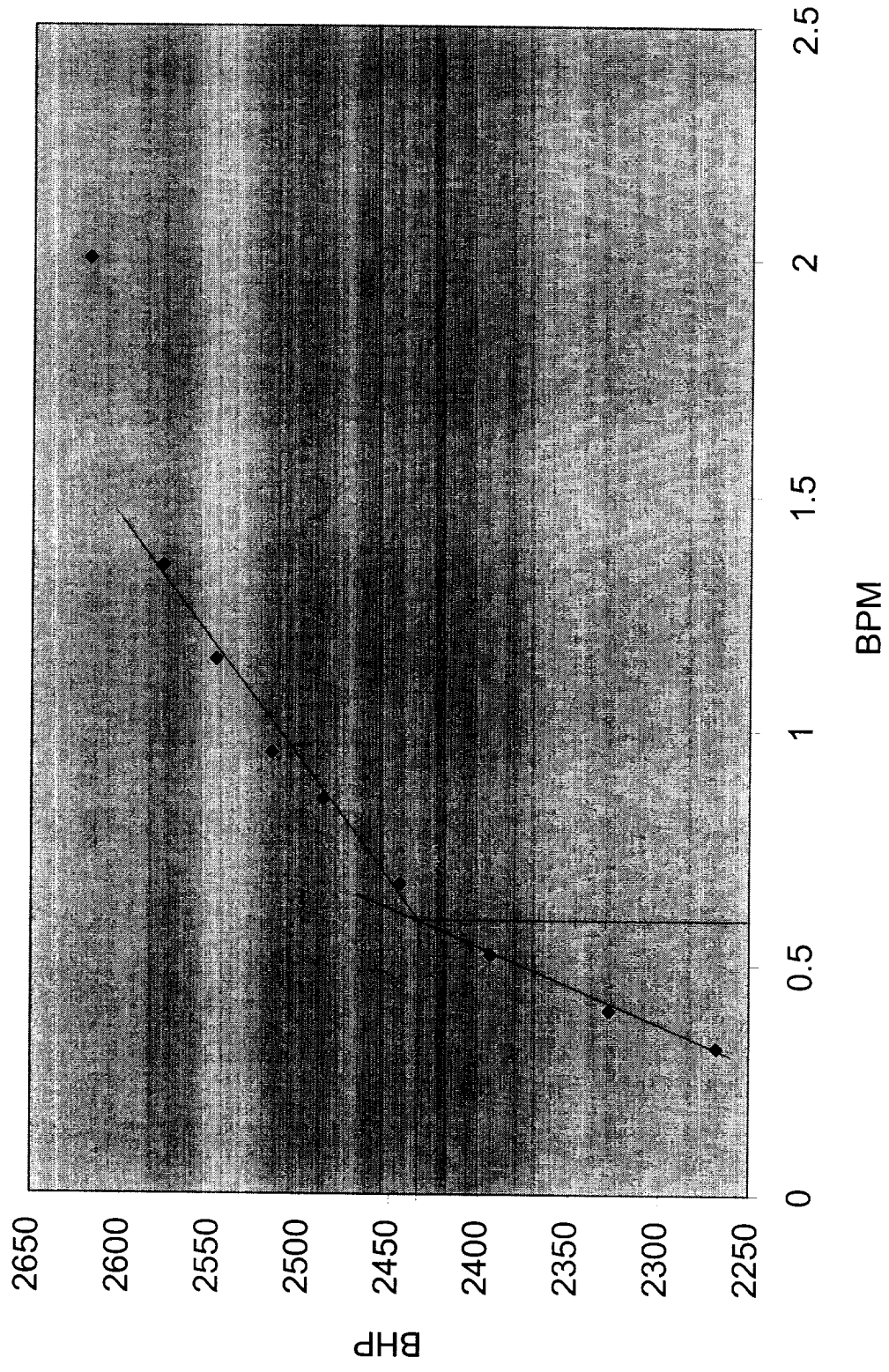
POD: 0388550 Product Type: WATER Facility Type: 05 Location: F 10 31N 11W County SAN JUAN

Description of POD (40 characters or less): _____

WELL COMPLETIONS

<u>Code</u>	<u>Pool Name</u>	<u>Code</u>	<u>Producing Property Name</u>	<u>API Well No.</u>	<u>Location</u>	<u>Well</u>
72359	BLANCO PICTURED CLIFFS (GAS)	000905	MUDGE A	30-045-21024	F 10 31N 11W	039

Frontier #1A Step Rate Test



Control Number: 003912

POINT OF DISPOSITION AND WELL COMPLETION INFORMATION

OGRID: 000778 Operator Name: AMOCO PRODUCTION CO
PO BOX 21178

TULSA

OK 74121

C-115 Filer Contact Name: _____

Phone: () _____

FAX: () _____

POD: 0388310 Product Type: OIL Facility Type: 03 Location: C 03 31N 11W County SAN JUAN

OGRID Name

OGRID Name

Authorized Transporter(s): 014546 MERIDIAN OIL INC.

Description of POD (40 characters or less): _____

POD: 0388330 Product Type: GAS Facility Type: 01 Location: C 03 31N 11W County SAN JUAN

OGRID Name

OGRID Name

Authorized Transporter(s): 007057 EL PASO NATURAL GAS COMPANY

Description of POD (40 characters or less): _____

POD: 0388350 Product Type: WATER Facility Type: 05 Location: C 03 31N 11W County SAN JUAN

Description of POD (40 characters or less): _____

WELL COMPLETIONS

Code Pool Name

Code Producing Property Name

API Well No.

Location

Well

72359 BLANCO PICTURED CLIFFS (GAS)

000905 MUDGE A

30-045-22509 C 03 31N 11W 005A

File 3279570



WALSH

ENGINEERING & PRODUCTION CORP.

Petroleum Engineering Consulting
Lease Management
Contract Pumping

7415 East Main
Farmington, New Mexico 87402
(505) 327-4892

Oil & Gas Conservation Division
State of New Mexico Energy & Minerals Dept.
1000 Rio Brazos Road
Aztec, New Mexico 87410
August 5, 1998

Attn. Frank Chavez

RE: Frontier #1A, Step Rate Test Results

RECEIVED
AUG 6 1998
OIL CON. DIV.
DIST. 3

Dear Mr. Chavez,

Please find enclosed a copy of the data from the "step-rate injection test" that was done on Edward Energy Corporation's Frontier #1A Disposal well. I have included a copy of the data that was provided by Tetteller Inc. which ran the bottom hole pressure gauge. I also have included a copy of the data and corresponding plots of both the surface pressure and bottom hole pressures with corresponding injection rates.

The test was performed on July 24, 1998 and was witnessed by Melvina Clah with the Navajo EPA and Frank Chavez with the New Mexico Oil Conservation Division. Halliburton Energy Services provided the pumping services and recorded all surface pressures. Tetteller Inc., as stated above, provided the bottom hole pressure gauge and corresponding pressure data.

The well had been shut in for 11 days prior to testing and the static fluid level was 120'.

If you have any questions or need any additional information please feel free to call me anytime at 327-4892.

Sincerely,

John C. Thompson
Engineer

cc: Kieth Edwards
Al Nicol

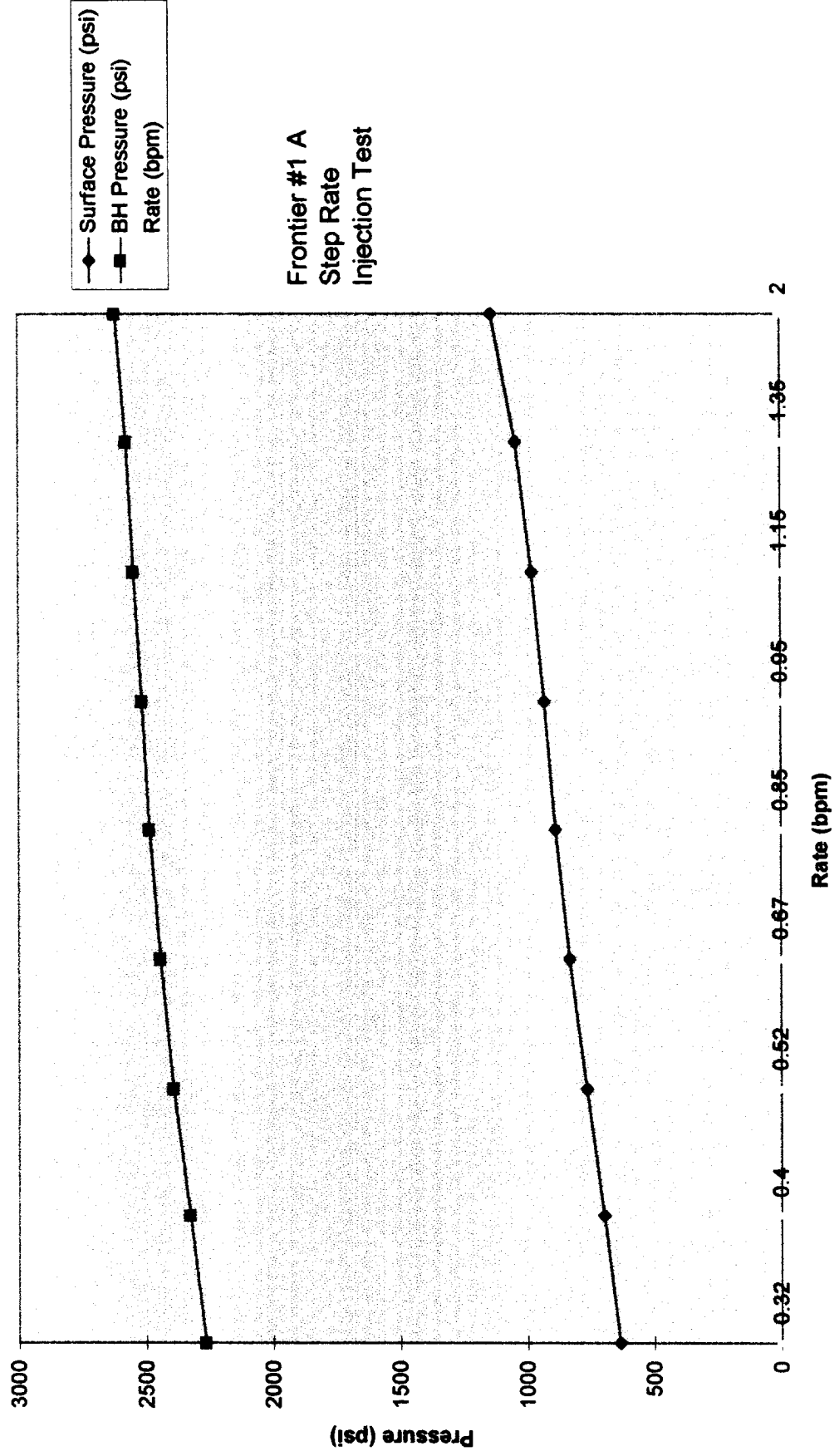
Edwards Energy Corporation**Frontier #1A Disposal Well****STEP RATE TEST - 7/24/98**

Note: each interval was 15 min. long. The values shown are
the maximum pressures & rates established during each interval.

Surface Pressure	BH Pressure	Rate
(psi)	(psi)	(bpm)
637	2267.92	0.32
700	2327.75	0.4
768	2393.85	0.52
835	2444.48	0.67
889	2487.51	0.85
933	2516.21	0.95
982	2547.62	1.15
1045	2576.94	1.35
1140	2618.59	2

RECEIVED
AUG 6 1998
OIL CON. DIV.
DIST. 3

Edwards Energy Corporation



Page A

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Probe Set Up Time ..... 7/24/98 16:30: 0
Time Delay to First Reading ....
Test Type Selection ..... STEP RATE TEST
Test Duration Selection ..... 5 HOURS

```

WELL NAME : FRONTIER NO. 1-A

DATE : 07/31/98

WELL LOCATION : SAN JUAN COUNTY, NM

FILE REF: F220727.DAT

Date MM/DD	Time hh:mm:ss	Test Time mmmmmm.mmmmm	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
07/24	16:30:00	.0000	.01	75.85		
07/24	16:32:15	2.2500	.01	82.34	.00	
07/24	16:32:30	2.5000	.01	82.39	.00	
07/24	16:32:45	2.7500	.01	82.44	.00	
07/24	16:33:00	3.0000	.01	82.49	.00	
07/24	16:33:15	3.2500	.01	82.55	.00	
07/24	16:33:30	3.5000	.01	82.59	.00	
07/24	16:33:45	3.7500	.01	82.64	.00	
07/24	16:34:00	4.0000	.01	82.69	.00	
07/24	16:34:15	4.2500	.01	82.74	.00	
07/24	16:34:30	4.5000	.01	82.79	.00	
07/24	16:34:45	4.7500	.01	82.84	.00	
07/24	16:35:00	5.0000	.01	82.89	.00	
07/24	16:36:00	6.0000	.01	83.11	.00	
07/24	16:37:00	7.0000	.01	83.29	.00	
07/24	16:38:00	8.0000	.01	83.48	.00	
07/24	16:39:00	9.0000	.01	83.66	.00	
07/24	16:40:00	10.0000	.01	83.93	.00	
07/24	16:41:00	11.0000	.01	84.17	.00	
07/24	16:42:00	12.0000	.01	84.41	.00	
07/24	16:43:00	13.0000	.01	84.65	.00	
07/24	16:44:00	14.0000	.01	84.81	.00	
07/24	16:45:00	15.0000	.01	84.85	.00	
07/24	16:46:00	16.0000	.01	84.89	.00	
07/24	16:47:00	17.0000	.01	84.93	.00	
07/24	16:48:00	18.0000	.01	84.88	.00	
07/24	16:49:00	19.0000	.01	84.82	.00	
07/24	16:50:00	20.0000	.01	84.75	.00	
07/24	16:51:00	21.0000	.01	84.69	.00	
07/24	16:52:00	22.0000	.01	84.61	.00	
07/24	16:53:00	23.0000	.01	84.50	.00	
07/24	16:54:00	24.0000	.01	84.39	.00	
07/24	16:55:00	25.0000	.01	84.28	.00	
07/24	16:56:00	26.0000	.01	84.07	.00	
07/24	16:57:00	27.0000	.01	83.79	.00	
07/24	16:58:00	28.0000	.01	83.51	.00	
07/24	16:59:00	29.0000	.01	83.23	.00	
07/24	17:00:00	30.0000	.01	82.93	.00	
07/24	17:01:00	31.0000	.01	82.57	.00	
07/24	17:02:00	32.0000	.01	82.21	.00	
07/24	17:03:00	33.0000	.01	81.85	.00	
07/24	17:04:00	34.0000	.01	81.51	.00	
07/24	17:05:00	35.0000	.01	81.10	.00	
07/24	17:06:00	36.0000	.01	80.69	.00	
07/24	17:07:00	37.0000	.01	80.28	.00	
07/24	17:08:00	38.0000	.01	79.88	.00	
07/24	17:09:00	39.0000	.01	79.48	.00	
07/24	17:10:00	40.0000	.01	79.08	.00	
07/24	17:11:00	41.0000	.01	78.68	.00	
07/24	17:12:00	42.0000	.01	78.05	.00	
07/24	17:13:00	43.0000	.01	77.39	.00	
07/24	17:14:00	44.0000	.01	76.73	.00	
07/24	17:15:00	45.0000	.01	76.08	.00	
07/24	17:16:00	46.0000	.01	75.45	.00	
07/24	17:17:00	47.0000	.01	74.73	.00	
07/24	17:18:00	48.0000	.01	74.00	.00	
07/24	17:19:00	49.0000	.01	73.28	.00	
07/24	17:20:00	50.0000	.01	72.52	.00	
07/24	17:21:00	51.0000	.01	71.94	.00	
07/24	17:22:00	52.0000	.01	71.37	.00	
07/24	17:23:00	53.0000	.01	70.79	.00	
07/24	17:24:00	54.0000	.01	70.38	.00	
07/24	17:25:00	55.0000	.01	70.07	.00	
07/24	17:26:00	56.0000	.01	69.75	.00	
07/24	17:27:00	57.0000	.01	69.44	.00	

WELL NAME : FRONTIER NO. 1-A

DATE : 07/31/98

WELL LOCATION : SAN JUAN COUNTY, NM

FILE REF: F220727.DAT

Date MM/DD	Time hh:mm:ss	Test Time mmmmmm.mmmmm	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
07/24	17:28:00	58.0000	.01	69.16	.00	
07/24	17:29:00	59.0000	.01	68.92	.00	
07/24	17:30:00	60.0000	.01	68.68	.00	
07/24	17:31:00	61.0000	.01	68.43	.00	
07/24	17:32:00	62.0000	.01	68.21	.00	
07/24	17:33:00	63.0000	.01	68.01	.00	
07/24	17:34:00	64.0000	.01	67.80	.00	
07/24	17:35:00	65.0000	.01	67.60	.00	
07/24	17:36:00	66.0000	.01	67.41	.00	
07/24	17:37:00	67.0000	.01	67.24	.00	
07/24	17:38:00	68.0000	.01	67.07	.00	
07/24	17:39:00	69.0000	.01	66.89	.00	
07/24	17:40:00	70.0000	286.78	66.86	286.77	
07/24	17:40:15	70.2500	353.72	66.84	66.94	
07/24	17:40:30	70.5000	418.84	67.14	65.12	
07/24	17:40:45	70.7500	483.01	67.44	64.17	
07/24	17:41:00	71.0000	549.57	67.74	66.57	
07/24	17:41:15	71.2500	618.94	68.04	69.36	
07/24	17:41:30	71.5000	687.35	68.34	68.42	
07/24	17:41:45	71.7500	757.50	68.64	70.15	
07/24	17:42:00	72.0000	832.45	68.94	74.95	
07/24	17:42:15	72.2500	906.05	69.24	73.60	
07/24	17:42:30	72.5000	980.32	69.54	74.27	
07/24	17:42:45	72.7500	1055.12	69.84	74.80	
07/24	17:43:00	73.0000	1130.84	70.14	75.72	
07/24	17:43:15	73.2500	1205.67	70.99	74.82	
07/24	17:43:30	73.5000	1281.89	72.13	76.22	
07/24	17:43:45	73.7500	1355.79	73.28	73.91	
07/24	17:44:00	74.0000	1431.27	74.42	75.48	
07/24	17:44:15	74.2500	1505.10	75.56	73.83	
07/24	17:44:30	74.5000	1579.70	76.71	74.60	
07/24	17:44:45	74.7500	1652.53	77.85	72.83	
07/24	17:45:00	75.0000	1719.58	79.00	67.06	
07/24	17:45:15	75.2500	1775.93	80.14	56.35	
07/24	17:45:30	75.5000	1813.85	81.29	37.92	
07/24	17:45:45	75.7500	1827.75	82.44	13.90	
07/24	17:46:00	76.0000	1828.28	83.60	.52	
07/24	17:46:15	76.2500	1830.09	84.77	1.82	INSTRUMENT @ 3791'
07/24	17:46:30	76.5000	1830.58	85.65	.48	
07/24	17:46:45	76.7500	1831.30	86.54	.73	
07/24	17:47:00	77.0000	1832.05	87.42	.75	
07/24	17:47:15	77.2500	1832.33	88.31	.28	
07/24	17:47:30	77.5000	1832.65	89.20	.32	
07/24	17:47:45	77.7500	1832.97	90.09	.33	
07/24	17:48:00	78.0000	1833.41	90.98	.44	
07/24	17:48:15	78.2500	1834.00	91.87	.59	
07/24	17:48:30	78.5000	1834.24	92.76	.24	
07/24	17:48:45	78.7500	1834.60	93.65	.36	
07/24	17:49:00	79.0000	1815.60	94.54	-19.01	
07/24	17:49:15	79.2500	1829.24	95.17	13.65	
07/24	17:49:30	79.5000	1831.43	95.60	2.19	
07/24	17:49:45	79.7500	1832.69	96.04	1.26	
07/24	17:50:00	80.0000	1833.18	96.47	.49	
07/24	17:50:15	80.2500	1833.96	96.90	.79	
07/24	17:50:30	80.5000	1834.62	97.34	.66	
07/24	17:50:45	80.7500	1835.15	97.77	.52	
07/24	17:51:00	81.0000	1835.61	98.21	.46	BEGIN RATE #1
07/24	17:51:15	81.2500	2122.56	98.64	286.95	
07/24	17:51:30	81.5000	2185.13	99.08	62.56	
07/24	17:51:45	81.7500	2217.67	99.51	32.55	
07/24	17:52:00	82.0000	2238.00	99.94	20.33	
07/24	17:52:15	82.2500	2254.07	100.23	16.07	
07/24	17:52:30	82.5000	2263.50	100.40	9.43	
07/24	17:52:45	82.7500	2268.95	100.56	5.45	
07/24	17:53:00	83.0000	2277.45	100.72	8.50	

WELL NAME : FRONTIER NO. 1-A

DATE : 07/31/98

WELL LOCATION : SAN JUAN COUNTY, NM

FILE REF: F220727.DAT

Date MM/DD	Time hh:mm:ss	Test Time mmmmmm.mmmmm	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
07/24	17:53:15	83.2500	2282.63	100.88	5.18	
07/24	17:53:30	83.5000	2287.67	101.04	5.05	
07/24	17:53:45	83.7500	2287.75	101.20	.07	
07/24	17:54:00	84.0000	2283.17	101.36	-4.58	
07/24	17:54:15	84.2500	2284.63	101.52	1.46	
07/24	17:54:30	84.5000	2279.46	101.68	-5.17	
07/24	17:54:45	84.7500	2276.14	101.84	-3.31	
07/24	17:55:00	85.0000	2272.43	102.00	-3.71	
07/24	17:55:15	85.2500	2268.85	102.06	-3.58	
07/24	17:55:30	85.5000	2262.35	102.10	-6.50	
07/24	17:55:45	85.7500	2256.11	102.12	-6.24	
07/24	17:56:00	86.0000	2252.40	102.15	-3.71	
07/24	17:56:15	86.2500	2250.81	102.18	-1.59	
07/24	17:56:30	86.5000	2250.81	102.21	.00	
07/24	17:56:45	86.7500	2250.53	102.24	-.28	
07/24	17:57:00	87.0000	2250.65	102.27	.12	
07/24	17:57:15	87.2500	2250.82	102.30	.17	
07/24	17:57:30	87.5000	2250.50	102.33	-.32	
07/24	17:57:45	87.7500	2250.42	102.36	-.08	
07/24	17:58:00	88.0000	2252.80	102.39	2.38	
07/24	17:58:15	88.2500	2253.01	102.39	.21	
07/24	17:58:30	88.5000	2253.81	102.39	.80	
07/24	17:58:45	88.7500	2253.82	102.38	.01	
07/24	17:59:00	89.0000	2253.83	102.37	.01	
07/24	17:59:15	89.2500	2255.46	102.37	1.63	
07/24	17:59:30	89.5000	2255.88	102.37	.42	
07/24	17:59:45	89.7500	2256.74	102.36	.87	
07/24	18:00:00	90.0000	2256.75	102.35	.01	
07/24	18:00:15	90.2500	2256.65	102.35	-.10	
07/24	18:00:30	90.5000	2258.51	102.35	1.86	
07/24	18:00:45	90.7500	2258.95	102.34	.44	
07/24	18:01:00	91.0000	2259.11	102.34	.16	
07/24	18:01:15	91.2500	2258.40	102.33	-.71	
07/24	18:01:30	91.5000	2258.10	102.31	-.30	
07/24	18:01:45	91.7500	2259.83	102.30	1.73	
07/24	18:02:00	92.0000	2259.97	102.28	.14	
07/24	18:02:15	92.2500	2260.52	102.26	.55	
07/24	18:02:30	92.5000	2261.39	102.24	.87	
07/24	18:02:45	92.7500	2261.61	102.23	.23	
07/24	18:03:00	93.0000	2263.15	102.21	1.54	
07/24	18:03:15	93.2500	2264.34	102.19	1.19	
07/24	18:03:30	93.5000	2265.67	102.17	1.33	
07/24	18:03:45	93.7500	2265.25	102.16	-.42	
07/24	18:04:00	94.0000	2266.20	102.14	.95	
07/24	18:04:15	94.2500	2266.34	102.11	.14	
07/24	18:04:30	94.5000	2266.88	102.09	.55	
07/24	18:04:45	94.7500	2266.88	102.06	-.01	
07/24	18:05:00	95.0000	2267.92	102.04	1.04	
07/24	18:05:15	95.2500	2269.25	102.01	1.33	
07/24	18:05:30	95.5000	2269.67	101.99	.42	
07/24	18:05:45	95.7500	2268.58	101.96	-1.08	
07/24	18:06:00	96.0000	2270.31	101.94	1.72	
07/24	18:06:15	96.2500	2301.09	101.91	30.79	
07/24	18:06:30	96.5000	2316.62	101.89	15.52	
07/24	18:06:45	96.7500	2325.24	101.86	8.63	
07/24	18:07:00	97.0000	2331.21	101.85	5.97	
07/24	18:07:15	97.2500	2334.66	101.81	3.45	
07/24	18:07:30	97.5000	2338.65	101.77	3.98	
07/24	18:07:45	97.7500	2341.03	101.73	2.39	
07/24	18:08:00	98.0000	2343.82	101.70	2.79	
07/24	18:08:15	98.2500	2345.01	101.66	1.19	
07/24	18:08:30	98.5000	2345.01	101.63	.00	
07/24	18:08:45	98.7500	2332.94	101.59	-12.08	
07/24	18:09:00	99.0000	2326.70	101.55	-6.24	
07/24	18:09:15	99.2500	2320.73	101.51	-5.97	

END RATE #1 - 0.32 BPM

WELL NAME : FRONTIER NO. 1-A

DATE : 07/31/98

WELL LOCATION : SAN JUAN COUNTY, NM

FILE REF: F220727.DAT

Date MM/DD	Time hh:mm:ss	Test Time mmmmmm.mmmmm	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
07/24	18:09:30	99.5000	2319.27	101.48	-1.46	
07/24	18:09:45	99.7500	2316.88	101.44	-2.39	
07/24	18:10:00	100.0000	2316.88	101.40	.00	
07/24	18:10:15	100.2500	2314.49	101.38	-2.39	
07/24	18:10:30	100.5000	2314.14	101.34	-.35	
07/24	18:10:45	100.7500	2314.14	101.30	.01	
07/24	18:11:00	101.0000	2313.93	101.26	-.22	
07/24	18:11:15	101.2500	2313.92	101.23	-.01	
07/24	18:11:30	101.5000	2312.76	101.18	-1.16	
07/24	18:11:45	101.7500	2312.97	101.15	.21	
07/24	18:12:00	102.0000	2314.35	101.11	1.38	
07/24	18:12:15	102.2500	2314.07	101.07	-.28	
07/24	18:12:30	102.5000	2315.28	101.03	1.21	
07/24	18:12:45	102.7500	2313.82	101.00	-1.46	
07/24	18:13:00	103.0000	2313.96	100.96	.14	
07/24	18:13:15	103.2500	2315.68	100.93	1.72	
07/24	18:13:30	103.5000	2315.47	100.90	-.21	
07/24	18:13:45	103.7500	2317.14	100.87	1.67	
07/24	18:14:00	104.0000	2317.54	100.85	.41	
07/24	18:14:15	104.2500	2317.67	100.82	.13	
07/24	18:14:30	104.5000	2317.18	100.79	-.49	
07/24	18:14:45	104.7500	2318.07	100.77	.89	
07/24	18:15:00	105.0000	2317.64	100.74	-.42	
07/24	18:15:15	105.2500	2317.48	100.71	-.16	
07/24	18:15:30	105.5000	2317.10	100.68	-.38	
07/24	18:15:45	105.7500	2318.60	100.66	1.49	
07/24	18:16:00	106.0000	2318.95	100.63	.35	
07/24	18:16:15	106.2500	2320.72	100.62	1.77	
07/24	18:16:30	106.5000	2321.37	100.58	.65	
07/24	18:16:45	106.7500	2321.51	100.55	.14	
07/24	18:17:00	107.0000	2321.69	100.53	.18	
07/24	18:17:15	107.2500	2321.78	100.49	.09	
07/24	18:17:30	107.5000	2322.20	100.46	.42	
07/24	18:17:45	107.7500	2324.04	100.43	1.84	
07/24	18:18:00	108.0000	2324.14	100.41	.10	
07/24	18:18:15	108.2500	2324.14	100.37	.01	
07/24	18:18:30	108.5000	2325.90	100.35	1.75	
07/24	18:18:45	108.7500	2326.26	100.32	.37	
07/24	18:19:00	109.0000	2326.43	100.28	.17	
07/24	18:19:15	109.2500	2326.08	100.23	-.35	
07/24	18:19:30	109.5000	2325.96	100.17	-.12	
07/24	18:19:45	109.7500	2326.31	100.12	.34	
07/24	18:20:00	110.0000	2327.75	100.05	1.44	
07/24	18:20:15	110.2500	2327.96	100.00	.21	
07/24	18:20:30	110.5000	2328.43	99.94	.47	
07/24	18:20:45	110.7500	2347.27	99.88	18.84	
07/24	18:21:00	111.0000	2354.71	99.82	7.44	
07/24	18:21:15	111.2500	2359.49	99.76	4.78	
07/24	18:21:30	111.5000	2363.07	99.70	3.59	
07/24	18:21:45	111.7500	2363.14	99.64	.07	
07/24	18:22:00	112.0000	2360.15	99.58	-2.99	
07/24	18:22:15	112.2500	2363.47	99.50	3.32	
07/24	18:22:30	112.5000	2365.73	99.43	2.26	
07/24	18:22:45	112.7500	2364.27	99.35	-1.46	
07/24	18:23:00	113.0000	2362.28	99.28	-1.99	
07/24	18:23:15	113.2500	2361.93	99.21	-.35	
07/24	18:23:30	113.5000	2362.11	99.13	.18	
07/24	18:23:45	113.7500	2365.33	99.06	3.23	
07/24	18:24:00	114.0000	2369.85	98.98	4.52	
07/24	18:24:15	114.2500	2371.98	98.91	2.13	
07/24	18:24:30	114.5000	2371.70	98.83	-.28	
07/24	18:24:45	114.7500	2366.66	98.76	-5.03	
07/24	18:25:00	115.0000	2369.32	98.69	2.66	
07/24	18:25:15	115.2500	2372.24	98.62	2.92	
07/24	18:25:30	115.5000	2374.10	98.60	1.86	

END RATE #2 - 0.40 BPM

WELL NAME : FRONTIER NO. 1-A

DATE : 07/31/98

WELL LOCATION : SAN JUAN COUNTY, NM

FILE REF: F220727.DAT

Date MM/DD	Time hh:mm:ss	Test Time mmmmmm.mmmmm	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
07/24	18:25:45	115.7500	2374.31	98.59	.21	
07/24	18:26:00	116.0000	2376.36	98.58	2.05	
07/24	18:26:15	116.2500	2376.85	98.56	.49	
07/24	18:26:30	116.5000	2377.78	98.55	.93	
07/24	18:26:45	116.7500	2378.63	98.53	.84	
07/24	18:27:00	117.0000	2378.75	98.51	.13	
07/24	18:27:15	117.2500	2379.10	98.50	.35	
07/24	18:27:30	117.5000	2380.61	98.49	1.51	
07/24	18:27:45	117.7500	2380.95	98.47	.34	
07/24	18:28:00	118.0000	2381.04	98.46	.09	
07/24	18:28:15	118.2500	2381.18	98.47	.13	
07/24	18:28:30	118.5000	2381.35	98.51	.18	
07/24	18:28:45	118.7500	2381.68	98.55	.33	
07/24	18:29:00	119.0000	2382.02	98.59	.34	
07/24	18:29:15	119.2500	2382.63	98.63	.61	
07/24	18:29:30	119.5000	2383.64	98.67	1.02	
07/24	18:29:45	119.7500	2383.80	98.71	.16	
07/24	18:30:00	120.0000	2384.07	98.76	.27	
07/24	18:30:15	120.2500	2385.39	98.80	1.32	
07/24	18:30:30	120.5000	2385.81	98.84	.42	
07/24	18:30:45	120.7500	2386.47	98.88	.66	
07/24	18:31:00	121.0000	2386.93	98.92	.46	
07/24	18:31:15	121.2500	2387.52	98.98	.59	
07/24	18:31:30	121.5000	2387.65	99.05	.12	
07/24	18:31:45	121.7500	2387.92	99.12	.27	
07/24	18:32:00	122.0000	2387.93	99.19	.01	
07/24	18:32:15	122.2500	2389.37	99.26	1.44	
07/24	18:32:30	122.5000	2389.98	99.32	.61	
07/24	18:32:45	122.7500	2390.11	99.39	.12	
07/24	18:33:00	123.0000	2390.31	99.46	.20	
07/24	18:33:15	123.2500	2390.94	99.53	.63	
07/24	18:33:30	123.5000	2391.03	99.60	.09	
07/24	18:33:45	123.7500	2391.14	99.67	.11	
07/24	18:34:00	124.0000	2391.37	99.73	.23	
07/24	18:34:15	124.2500	2391.98	99.81	.62	
07/24	18:34:30	124.5000	2392.77	99.89	.79	
07/24	18:34:45	124.7500	2393.29	99.98	.52	
07/24	18:35:00	125.0000	2393.85	100.06	.55	END RATE #3 - 0.52 BPM
07/24	18:35:15	125.2500	2394.02	100.14	.17	
07/24	18:35:30	125.5000	2394.42	100.23	.41	
07/24	18:35:45	125.7500	2395.02	100.32	.60	
07/24	18:36:00	126.0000	2397.19	100.40	2.17	
07/24	18:36:15	126.2500	2397.26	100.48	.07	
07/24	18:36:30	126.5000	2398.92	100.57	1.66	
07/24	18:36:45	126.7500	2406.22	100.65	7.30	
07/24	18:37:00	127.0000	2416.44	100.73	10.22	
07/24	18:37:15	127.2500	2416.44	100.82	.00	
07/24	18:37:30	127.5000	2416.93	100.91	.49	
07/24	18:37:45	127.7500	2414.84	100.99	-2.09	
07/24	18:38:00	128.0000	2410.59	101.07	-4.25	
07/24	18:38:15	128.2500	2414.71	101.16	4.11	
07/24	18:38:30	128.5000	2416.43	101.24	1.72	
07/24	18:38:45	128.7500	2416.36	101.32	-.07	
07/24	18:39:00	129.0000	2417.62	101.41	1.26	
07/24	18:39:15	129.2500	2418.95	101.49	1.33	
07/24	18:39:30	129.5000	2418.67	101.57	-.28	
07/24	18:39:45	129.7500	2420.80	101.66	2.14	
07/24	18:40:00	130.0000	2421.22	101.73	.42	
07/24	18:40:15	130.2500	2421.39	101.80	.16	
07/24	18:40:30	130.5000	2422.66	101.87	1.27	
07/24	18:40:45	130.7500	2422.52	101.93	-.14	
07/24	18:41:00	131.0000	2423.98	102.00	1.47	
07/24	18:41:15	131.2500	2424.47	102.06	.49	
07/24	18:41:30	131.5000	2424.46	102.12	-.01	
07/24	18:41:45	131.7500	2424.47	102.18	.01	

WELL NAME : FRONTIER NO. 1-A

DATE : 07/31/98

WELL LOCATION : SAN JUAN COUNTY, NM

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Date MM/DD	Time hh:mm:ss	Test Time mmmmmm.mmmm	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
07/24	18:42:00	132.0000	2425.21	102.25	.74	
07/24	18:42:15	132.2500	2425.30	102.31	.09	
07/24	18:42:30	132.5000	2427.03	102.37	1.72	
07/24	18:42:45	132.7500	2427.03	102.43	.00	
07/24	18:43:00	133.0000	2427.04	102.50	.01	
07/24	18:43:15	133.2500	2429.28	102.55	2.24	
07/24	18:43:30	133.5000	2429.21	102.59	-.07	
07/24	18:43:45	133.7500	2430.87	102.62	1.66	
07/24	18:44:00	134.0000	2430.73	102.66	-.14	
07/24	18:44:15	134.2500	2431.02	102.69	.29	
07/24	18:44:30	134.5000	2432.73	102.73	1.70	
07/24	18:44:45	134.7500	2434.18	102.77	1.46	
07/24	18:45:00	135.0000	2434.68	102.80	.49	
07/24	18:45:15	135.2500	2435.60	102.84	.93	
07/24	18:45:30	135.5000	2436.61	102.87	1.01	
07/24	18:45:45	135.7500	2436.79	102.91	.18	
07/24	18:46:00	136.0000	2437.11	102.94	.32	
07/24	18:46:15	136.2500	2437.60	102.96	.49	
07/24	18:46:30	136.5000	2437.77	102.98	.17	
07/24	18:46:45	136.7500	2438.30	102.99	.53	
07/24	18:47:00	137.0000	2438.42	103.00	.12	
07/24	18:47:15	137.2500	2438.84	103.02	.42	
07/24	18:47:30	137.5000	2439.71	103.03	.87	
07/24	18:47:45	137.7500	2440.48	103.05	.77	
07/24	18:48:00	138.0000	2440.62	103.07	.13	
07/24	18:48:15	138.2500	2441.01	103.08	.40	
07/24	18:48:30	138.5000	2441.15	103.10	.13	
07/24	18:48:45	138.7500	2441.63	103.11	.48	
07/24	18:49:00	139.0000	2442.35	103.12	.73	
07/24	18:49:15	139.2500	2443.16	103.14	.80	
07/24	18:49:30	139.5000	2444.00	103.14	.84	
07/24	18:49:45	139.7500	2444.13	103.14	.12	
07/24	18:50:00	140.0000	2444.48	103.14	.35	END RATE #4 - 0.67 BPM
07/24	18:50:15	140.2500	2446.25	103.14	1.77	
07/24	18:50:30	140.5000	2446.89	103.14	.64	
07/24	18:50:45	140.7500	2447.12	103.14	.23	
07/24	18:51:00	141.0000	2448.64	103.14	1.52	
07/24	18:51:15	141.2500	2456.86	103.14	8.23	
07/24	18:51:30	141.5000	2447.44	103.14	-9.42	
07/24	18:51:45	141.7500	2454.61	103.14	7.16	
07/24	18:52:00	142.0000	2457.13	103.15	2.52	
07/24	18:52:15	142.2500	2459.12	103.16	1.99	
07/24	18:52:30	142.5000	2460.71	103.14	1.59	
07/24	18:52:45	142.7500	2462.04	103.13	1.33	
07/24	18:53:00	143.0000	2463.50	103.12	1.46	
07/24	18:53:15	143.2500	2464.83	103.10	1.33	
07/24	18:53:30	143.5000	2466.16	103.09	1.33	
07/24	18:53:45	143.7500	2466.30	103.08	.14	
07/24	18:54:00	144.0000	2467.62	103.07	1.32	
07/24	18:54:15	144.2500	2469.47	103.05	1.86	
07/24	18:54:30	144.5000	2469.76	103.04	.28	
07/24	18:54:45	144.7500	2471.47	103.03	1.71	
07/24	18:55:00	145.0000	2471.89	103.01	.42	
07/24	18:55:15	145.2500	2474.39	103.00	2.50	
07/24	18:55:30	145.5000	2474.32	102.97	-.07	
07/24	18:55:45	145.7500	2472.93	102.94	-1.39	
07/24	18:56:00	146.0000	2474.66	102.92	1.73	
07/24	18:56:15	146.2500	2475.98	102.89	1.33	
07/24	18:56:30	146.5000	2474.79	102.86	-1.19	
07/24	18:56:45	146.7500	2474.37	102.83	-.42	
07/24	18:57:00	147.0000	2473.35	102.80	-1.01	
07/24	18:57:15	147.2500	2473.13	102.78	-.23	
07/24	18:57:30	147.5000	2473.35	102.75	.22	
07/24	18:57:45	147.7500	2473.88	102.72	.53	
07/24	18:58:00	148.0000	2473.88	102.69	-.01	

WELL NAME : FRONTIER NO. 1-A

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WELL LOCATION : SAN JUAN COUNTY, NM

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Date MM/DD	Time hh:mm:ss	Test Time mmmmmm.mmmmm	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
07/24	18:59:00	149.0000	2474.80	102.56	.92	
07/24	19:00:00	150.0000	2476.40	102.42	1.60	
07/24	19:01:00	151.0000	2478.66	102.28	2.26	
07/24	19:01:15	151.2500	2478.80	102.24	.14	
07/24	19:01:30	151.5000	2479.28	102.21	.48	
07/24	19:01:45	151.7500	2479.95	102.17	.67	
07/24	19:02:00	152.0000	2480.61	102.13	.67	
07/24	19:02:15	152.2500	2481.21	102.10	.59	
07/24	19:02:30	152.5000	2481.81	102.06	.60	
07/24	19:02:45	152.7500	2483.32	102.02	1.51	
07/24	19:03:00	153.0000	2483.65	101.98	.34	
07/24	19:03:15	153.2500	2483.79	101.95	.13	
07/24	19:03:30	153.5000	2484.13	101.91	.34	
07/24	19:03:45	153.7500	2484.74	101.87	.60	
07/24	19:04:00	154.0000	2485.73	101.84	.99	
07/24	19:04:15	154.2500	2485.91	101.80	.18	
07/24	19:04:30	154.5000	2486.13	101.75	.22	
07/24	19:04:45	154.7500	2487.22	101.71	1.09	
07/24	19:05:00	155.0000	2487.51	101.67	.29	END RATE #5 - 0.85 BPM
07/24	19:05:15	155.2500	2488.07	101.63	.56	
07/24	19:05:30	155.5000	2488.92	101.59	.84	
07/24	19:05:45	155.7500	2489.04	101.55	.13	
07/24	19:06:00	156.0000	2490.24	101.51	1.20	
07/24	19:06:15	156.2500	2493.43	101.47	3.19	
07/24	19:06:30	156.5000	2495.29	101.43	1.86	
07/24	19:06:45	156.7500	2497.01	101.39	1.73	
07/24	19:07:00	157.0000	2498.34	101.35	1.33	
07/24	19:07:15	157.2500	2498.91	101.31	.56	
07/24	19:07:30	157.5000	2499.83	101.26	.92	
07/24	19:07:45	157.7500	2500.78	101.21	.95	
07/24	19:08:00	158.0000	2501.02	101.16	.24	
07/24	19:08:15	158.2500	2501.58	101.11	.56	
07/24	19:08:30	158.5000	2501.75	101.07	.17	
07/24	19:08:45	158.7500	2502.37	101.02	.63	
07/24	19:09:00	159.0000	2503.30	100.97	.92	
07/24	19:09:15	159.2500	2503.96	100.92	.66	
07/24	19:09:30	159.5000	2504.63	100.87	.67	
07/24	19:09:45	159.7500	2505.29	100.82	.66	
07/24	19:10:00	160.0000	2505.75	100.78	.46	
07/24	19:10:15	160.2500	2506.15	100.71	.40	
07/24	19:10:30	160.5000	2506.55	100.66	.40	
07/24	19:10:45	160.7500	2507.08	100.60	.53	
07/24	19:11:00	161.0000	2507.19	100.54	.11	
07/24	19:11:15	161.2500	2507.42	100.48	.23	
07/24	19:11:30	161.5000	2507.76	100.43	.34	
07/24	19:11:45	161.7500	2508.42	100.37	.66	
07/24	19:12:00	162.0000	2508.55	100.31	.14	
07/24	19:12:15	162.2500	2508.75	100.25	.20	
07/24	19:12:30	162.5000	2509.09	100.19	.34	
07/24	19:12:45	162.7500	2509.17	100.14	.08	
07/24	19:13:00	163.0000	2509.29	100.08	.12	
07/24	19:13:15	163.2500	2509.57	100.01	.28	
07/24	19:13:30	163.5000	2509.58	99.96	.01	
07/24	19:13:45	163.7500	2509.90	99.89	.32	
07/24	19:14:00	164.0000	2510.01	99.83	.11	
07/24	19:14:15	164.2500	2510.17	99.77	.16	
07/24	19:14:30	164.5000	2510.35	99.71	.18	
07/24	19:14:45	164.7500	2510.56	99.64	.21	
07/24	19:15:00	165.0000	2510.77	99.58	.21	
07/24	19:15:15	165.2500	2511.04	99.52	.28	
07/24	19:15:30	165.5000	2511.45	99.46	.41	
07/24	19:15:45	165.7500	2511.58	99.39	.13	
07/24	19:16:00	166.0000	2511.99	99.34	.41	
07/24	19:16:15	166.2500	2512.12	99.28	.13	
07/24	19:16:30	166.5000	2512.53	99.21	.41	

WELL NAME : FRONTIER NO. 1-A

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WELL LOCATION : SAN JUAN COUNTY, NM

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Date MM/DD	Time hh:mm:ss	Test Time mmmmmm.mmmmm	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
07/24	19:16:45	166.7500	2512.65	99.16	.13	
07/24	19:17:00	167.0000	2513.02	99.10	.37	
07/24	19:17:15	167.2500	2513.18	99.05	.15	
07/24	19:17:30	167.5000	2513.36	98.99	.19	
07/24	19:17:45	167.7500	2513.67	98.94	.30	
07/24	19:18:00	168.0000	2514.07	98.88	.40	
07/24	19:18:15	168.2500	2514.20	98.83	.14	
07/24	19:18:30	168.5000	2514.63	98.77	.43	
07/24	19:18:45	168.7500	2514.81	98.71	.18	
07/24	19:19:00	169.0000	2515.30	98.65	.49	
07/24	19:19:15	169.2500	2515.44	98.61	.14	
07/24	19:19:30	169.5000	2515.68	98.56	.24	
07/24	19:19:45	169.7500	2516.08	98.51	.40	
07/24	19:20:00	170.0000	2516.21	98.46	.14	
07/24	19:20:15	170.2500	2516.75	98.40	.54	END RATE #6 - 0.95 BPM
07/24	19:20:30	170.5000	2516.90	98.36	.15	
07/24	19:20:45	170.7500	2517.15	98.31	.25	
07/24	19:21:00	171.0000	2518.41	98.26	1.26	
07/24	19:21:15	171.2500	2520.54	98.20	2.13	
07/24	19:21:30	171.5000	2522.14	98.15	1.60	
07/24	19:21:45	171.7500	2522.70	98.11	.56	
07/24	19:22:00	172.0000	2523.56	98.05	.85	
07/24	19:22:15	172.2500	2525.33	98.00	1.78	
07/24	19:22:30	172.5000	2525.69	97.95	.35	
07/24	19:22:45	172.7500	2526.43	97.90	.74	
07/24	19:23:00	173.0000	2527.08	97.85	.66	
07/24	19:23:15	173.2500	2527.62	97.79	.54	
07/24	19:23:30	173.5000	2528.36	97.75	.74	
07/24	19:23:45	173.7500	2529.02	97.69	.65	
07/24	19:24:00	174.0000	2529.65	97.64	.63	
07/24	19:24:15	174.2500	2529.81	97.59	.17	
07/24	19:24:30	174.5000	2530.65	97.54	.84	
07/24	19:24:45	174.7500	2530.95	97.48	.30	
07/24	19:25:00	175.0000	2531.45	97.43	.50	
07/24	19:25:15	175.2500	2531.62	97.37	.18	
07/24	19:25:30	175.5000	2531.96	97.31	.34	
07/24	19:25:45	175.7500	2532.79	97.25	.83	
07/24	19:26:00	176.0000	2533.02	97.19	.23	
07/24	19:26:15	176.2500	2533.50	97.13	.47	
07/24	19:26:30	176.5000	2533.62	97.07	.13	
07/24	19:26:45	176.7500	2534.34	97.01	.71	
07/24	19:27:00	177.0000	2534.56	96.95	.22	
07/24	19:27:15	177.2500	2534.77	96.89	.21	
07/24	19:27:30	177.5000	2535.44	96.83	.66	
07/24	19:27:45	177.7500	2535.64	96.77	.21	
07/24	19:28:00	178.0000	2536.07	96.71	.43	
07/24	19:28:15	178.2500	2536.17	96.64	.10	
07/24	19:28:30	178.5000	2536.85	96.59	.67	
07/24	19:28:45	178.7500	2537.01	96.53	.17	
07/24	19:29:00	179.0000	2537.24	96.48	.23	
07/24	19:29:15	179.2500	2537.99	96.42	.75	
07/24	19:29:30	179.5000	2538.17	96.37	.18	
07/24	19:29:45	179.7500	2538.37	96.31	.21	
07/24	19:30:00	180.0000	2538.59	96.26	.22	
07/24	19:30:15	180.2500	2538.93	96.20	.33	
07/24	19:30:30	180.5000	2539.63	96.15	.71	
07/24	19:30:45	180.7500	2539.86	96.09	.23	
07/24	19:31:00	181.0000	2540.30	96.04	.44	
07/24	19:31:15	181.2500	2540.39	95.98	.09	
07/24	19:31:30	181.5000	2540.75	95.94	.36	
07/24	19:31:45	181.7500	2541.34	95.89	.59	
07/24	19:32:00	182.0000	2541.96	95.84	.61	
07/24	19:32:15	182.2500	2542.80	95.79	.85	
07/24	19:32:30	182.5000	2543.01	95.75	.21	
07/24	19:32:45	182.7500	2543.42	95.70	.41	

WELL NAME : FRONTIER NO. 1-A

DATE : 07/31/98

WELL LOCATION : SAN JUAN COUNTY, NM

FILE REF: F220727.DAT

Date MM/DD	Time hh:mm:ss	Test Time mmmmmm.mmmmm	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
07/24	19:33:00	183.0000	2544.04	95.65	.62	
07/24	19:33:15	183.2500	2544.22	95.60	.17	
07/24	19:33:30	183.5000	2544.55	95.55	.34	
07/24	19:33:45	183.7500	2545.03	95.50	.47	
07/24	19:34:00	184.0000	2545.92	95.46	.89	
07/24	19:34:15	184.2500	2546.15	95.43	.23	
07/24	19:34:30	184.5000	2546.79	95.38	.64	
07/24	19:34:45	184.7500	2547.02	95.34	.24	
07/24	19:35:00	185.0000	2547.62	95.30	.60	END RATE #7 - 1.15 BPM
07/24	19:35:15	185.2500	2547.83	95.25	.21	
07/24	19:35:30	185.5000	2548.38	95.21	.55	
07/24	19:35:45	185.7500	2548.97	95.16	.59	
07/24	19:36:00	186.0000	2549.37	95.12	.40	
07/24	19:36:15	186.2500	2550.05	95.07	.68	
07/24	19:36:30	186.5000	2550.77	95.03	.72	
07/24	19:36:45	186.7500	2551.52	94.99	.75	
07/24	19:37:00	187.0000	2553.16	94.94	1.64	
07/24	19:37:15	187.2500	2553.72	94.90	.57	
07/24	19:37:30	187.5000	2554.79	94.85	1.07	
07/24	19:37:45	187.7500	2555.79	94.81	1.00	
07/24	19:38:00	188.0000	2556.79	94.76	1.00	
07/24	19:38:15	188.2500	2557.86	94.71	1.07	
07/24	19:38:30	188.5000	2558.85	94.66	1.00	
07/24	19:38:45	188.7500	2559.65	94.61	.79	
07/24	19:39:00	189.0000	2560.39	94.56	.74	
07/24	19:39:15	189.2500	2561.12	94.51	.73	
07/24	19:39:30	189.5000	2561.79	94.46	.67	
07/24	19:39:45	189.7500	2562.46	94.41	.67	
07/24	19:40:00	190.0000	2563.12	94.36	.67	
07/24	19:40:15	190.2500	2563.79	94.31	.67	
07/24	19:40:30	190.5000	2564.32	94.26	.53	
07/24	19:40:45	190.7500	2564.72	94.20	.40	
07/24	19:41:00	191.0000	2565.19	94.15	.47	
07/24	19:41:15	191.2500	2565.73	94.09	.54	
07/24	19:41:30	191.5000	2566.35	94.04	.62	
07/24	19:41:45	191.7500	2566.50	93.98	.15	
07/24	19:42:00	192.0000	2566.80	93.93	.29	
07/24	19:42:15	192.2500	2567.50	93.87	.70	
07/24	19:42:30	192.5000	2567.68	93.82	.18	
07/24	19:42:45	192.7500	2567.90	93.76	.22	
07/24	19:43:00	193.0000	2568.15	93.71	.25	
07/24	19:43:15	193.2500	2568.54	93.65	.40	
07/24	19:43:30	193.5000	2569.04	93.60	.50	
07/24	19:43:45	193.7500	2569.19	93.55	.15	
07/24	19:44:00	194.0000	2569.40	93.50	.21	
07/24	19:44:15	194.2500	2569.64	93.44	.24	
07/24	19:44:30	194.5000	2569.89	93.40	.25	
07/24	19:44:45	194.7500	2570.29	93.35	.40	
07/24	19:45:00	195.0000	2570.79	93.30	.50	
07/24	19:45:15	195.2500	2570.97	93.24	.18	
07/24	19:45:30	195.5000	2571.46	93.20	.50	
07/24	19:45:45	195.7500	2571.64	93.15	.18	
07/24	19:46:00	196.0000	2572.10	93.09	.47	
07/24	19:46:15	196.2500	2572.22	93.04	.11	
07/24	19:46:30	196.5000	2572.44	93.00	.23	
07/24	19:46:45	196.7500	2573.04	92.95	.60	
07/24	19:47:00	197.0000	2573.25	92.91	.21	
07/24	19:47:15	197.2500	2573.82	92.86	.57	
07/24	19:47:30	197.5000	2573.94	92.82	.13	
07/24	19:47:45	197.7500	2574.19	92.77	.24	
07/24	19:48:00	198.0000	2574.60	92.72	.41	
07/24	19:48:15	198.2500	2575.22	92.68	.62	
07/24	19:48:30	198.5000	2575.40	92.63	.18	
07/24	19:48:45	198.7500	2575.96	92.58	.57	
07/24	19:49:00	199.0000	2576.13	92.54	.17	

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Date MM/DD	Time hh:mm:ss	Test Time mmmmmmmm.mmmmm	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
07/24	19:49:15	199.2500	2576.48	92.49	.35	
07/24	19:49:30	199.5000	2576.94	92.44	.47	
07/24	19:49:45	199.7500	2577.35	92.39	.40	END RATE #8 - 1.35 BPM
07/24	19:50:00	200.0000	2578.01	92.34	.66	
07/24	19:50:15	200.2500	2578.22	92.29	.21	
07/24	19:50:30	200.5000	2578.71	92.24	.50	
07/24	19:50:45	200.7500	2578.89	92.19	.18	
07/24	19:51:00	201.0000	2579.51	92.14	.62	
07/24	19:51:15	201.2500	2583.01	92.08	3.50	
07/24	19:51:30	201.5000	2586.88	92.04	3.86	
07/24	19:51:45	201.7500	2590.21	91.99	3.33	
07/24	19:52:00	202.0000	2592.61	91.93	2.40	
07/24	19:52:15	202.2500	2594.88	91.89	2.27	
07/24	19:52:30	202.5000	2596.61	91.83	1.74	
07/24	19:52:45	202.7500	2598.35	91.77	1.73	
07/24	19:53:00	203.0000	2599.95	91.71	1.60	
07/24	19:53:15	203.2500	2601.29	91.65	1.34	
07/24	19:53:30	203.5000	2602.62	91.60	1.34	
07/24	19:53:45	203.7500	2603.82	91.53	1.20	
07/24	19:54:00	204.0000	2604.39	91.48	.57	
07/24	19:54:15	204.2500	2605.46	91.42	1.07	
07/24	19:54:30	204.5000	2606.39	91.36	.93	
07/24	19:54:45	204.7500	2607.12	91.30	.73	
07/24	19:55:00	205.0000	2607.86	91.24	.74	
07/24	19:55:15	205.2500	2608.53	91.18	.66	
07/24	19:55:30	205.5000	2608.99	91.13	.47	
07/24	19:55:45	205.7500	2609.76	91.07	.76	
07/24	19:56:00	206.0000	2610.00	91.01	.24	
07/24	19:56:15	206.2500	2610.41	90.95	.41	
07/24	19:56:30	206.5000	2610.88	90.90	.47	
07/24	19:56:45	206.7500	2611.44	90.84	.56	
07/24	19:57:00	207.0000	2611.61	90.78	.18	
07/24	19:57:15	207.2500	2612.11	90.73	.50	
07/24	19:57:30	207.5000	2612.25	90.67	.14	
07/24	19:57:45	207.7500	2612.40	90.61	.15	
07/24	19:58:00	208.0000	2612.56	90.55	.16	
07/24	19:58:15	208.2500	2612.75	90.49	.18	
07/24	19:58:30	208.5000	2612.94	90.42	.19	
07/24	19:58:45	208.7500	2613.16	90.36	.22	
07/24	19:59:00	209.0000	2613.40	90.29	.24	
07/24	19:59:15	209.2500	2613.62	90.22	.22	
07/24	19:59:30	209.5000	2613.80	90.15	.18	
07/24	19:59:45	209.7500	2613.99	90.08	.19	
07/24	20:00:00	210.0000	2614.23	90.01	.23	
07/24	20:00:15	210.2500	2614.47	89.94	.24	
07/24	20:00:30	210.5000	2614.67	89.87	.20	
07/24	20:00:45	210.7500	2614.85	89.80	.19	
07/24	20:01:00	211.0000	2615.07	89.74	.22	
07/24	20:01:15	211.2500	2615.29	89.64	.23	
07/24	20:01:30	211.5000	2615.50	89.56	.20	
07/24	20:01:45	211.7500	2615.68	89.47	.19	
07/24	20:02:00	212.0000	2615.88	89.38	.19	
07/24	20:02:15	212.2500	2616.07	89.29	.19	
07/24	20:02:30	212.5000	2616.25	89.20	.18	
07/24	20:02:45	212.7500	2616.46	89.11	.21	
07/24	20:03:00	213.0000	2616.68	89.02	.23	
07/24	20:03:15	213.2500	2616.89	88.93	.21	
07/24	20:03:30	213.5000	2617.12	88.84	.23	
07/24	20:03:45	213.7500	2617.35	88.75	.24	
07/24	20:04:00	214.0000	2617.57	88.67	.22	
07/24	20:04:15	214.2500	2617.80	88.58	.23	
07/24	20:04:30	214.5000	2618.04	88.52	.23	
07/24	20:04:45	214.7500	2618.25	88.45	.22	
07/24	20:05:00	215.0000	2618.59	88.39	.33	END RATE #9 - 2.00 BPM
07/24	20:05:15	215.2500	2609.25	88.32	-9.33	

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Date MM/DD	Time hh:mm:ss	Test Time mmmmmm.mmmmm	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
07/24	20:05:30	215.5000	2599.79	88.25	-9.46	
07/24	20:05:45	215.7500	2591.80	88.19	-7.99	
07/24	20:06:00	216.0000	2584.61	88.13	-7.19	
07/24	20:06:15	216.2500	2577.55	88.06	-7.06	
07/24	20:06:30	216.5000	2570.89	87.99	-6.66	
07/24	20:06:45	216.7500	2564.36	87.93	-6.53	
07/24	20:07:00	217.0000	2557.96	87.86	-6.39	
07/24	20:07:15	217.2500	2551.70	87.82	-6.26	
07/24	20:07:30	217.5000	2545.30	87.83	-6.40	
07/24	20:07:45	217.7500	2539.17	87.83	-6.13	
07/24	20:08:00	218.0000	2533.04	87.83	-6.13	
07/24	20:08:15	218.2500	2519.04	87.83	-14.00	
07/24	20:08:30	218.5000	2483.99	87.83	-35.06	
07/24	20:08:45	218.7500	2457.86	87.83	-26.12	
07/24	20:09:00	219.0000	2436.14	87.83	-21.72	
07/24	20:09:15	219.2500	2398.82	87.83	-37.31	
07/24	20:09:30	219.5000	2354.32	87.83	-44.51	
07/24	20:09:45	219.7500	2310.61	87.83	-43.70	
07/24	20:10:00	220.0000	2261.72	87.84	-48.90	
07/24	20:10:15	220.2500	2207.64	87.88	-54.08	
07/24	20:10:30	220.5000	2151.69	87.83	-55.95	
07/24	20:10:45	220.7500	2094.95	87.79	-56.74	
07/24	20:11:00	221.0000	2039.42	87.74	-55.54	
07/24	20:11:15	221.2500	1981.36	87.70	-58.06	
07/24	20:11:30	221.5000	1924.64	87.65	-56.72	
07/24	20:11:45	221.7500	1866.72	87.61	-57.92	
07/24	20:12:00	222.0000	1808.41	87.56	-58.31	
07/24	20:12:15	222.2500	1750.37	87.52	-58.04	
07/24	20:12:30	222.5000	1692.20	87.47	-58.17	
07/24	20:12:45	222.7500	1632.71	87.43	-59.49	
07/24	20:13:00	223.0000	1573.76	87.38	-58.96	
07/24	20:13:15	223.2500	1512.77	87.18	-60.98	
07/24	20:13:30	223.5000	1452.02	86.83	-60.76	
07/24	20:13:45	223.7500	1391.26	86.48	-60.76	
07/24	20:14:00	224.0000	1329.30	86.14	-61.96	
07/24	20:14:15	224.2500	1269.33	85.80	-59.97	
07/24	20:14:30	224.5000	1206.69	85.45	-62.64	
07/24	20:14:45	224.7500	1145.65	85.11	-61.04	
07/24	20:15:00	225.0000	1099.50	84.77	-46.15	
07/24	20:15:15	225.2500	1064.25	84.42	-35.25	
07/24	20:15:30	225.5000	1002.79	84.08	-61.46	
07/24	20:15:45	225.7500	940.00	83.74	-62.80	
07/24	20:16:00	226.0000	878.52	83.39	-61.48	
07/24	20:16:15	226.2500	814.87	82.96	-63.65	
07/24	20:16:30	226.5000	752.56	82.56	-62.31	
07/24	20:16:45	226.7500	694.50	82.16	-58.06	
07/24	20:17:00	227.0000	651.59	81.75	-42.91	
07/24	20:17:15	227.2500	617.19	81.35	-34.40	
07/24	20:17:30	227.5000	594.90	80.94	-22.29	
07/24	20:17:45	227.7500	581.52	80.54	-13.38	
07/24	20:18:00	228.0000	571.87	80.14	-9.65	
07/24	20:18:15	228.2500	.01	79.74	-571.86	
07/24	20:18:30	228.5000	.01	79.33	.00	
07/24	20:18:45	228.7500	.01	78.93	.00	
07/24	20:19:00	229.0000	.01	78.53	.00	
07/24	20:19:15	229.2500	.01	78.06	.00	
07/24	20:19:30	229.5000	.01	77.67	.00	
07/24	20:19:45	229.7500	.01	77.29	.00	
07/24	20:20:00	230.0000	.01	76.90	.00	
07/24	20:20:15	230.2500	.01	76.51	.00	
07/24	20:20:30	230.5000	.01	76.12	.00	
07/24	20:20:45	230.7500	.01	75.74	.00	
07/24	20:21:00	231.0000	.01	75.35	.00	
07/24	20:21:15	231.2500	.01	74.96	.00	
07/24	20:21:30	231.5000	.01	74.57	.00	

WELL NAME : FRONTIER NO. 1-A

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WELL LOCATION : SAN JUAN COUNTY, NM

FILE REF: F220727.DAT

Date MM/DD	Time hh:mm:ss	Test Time mmmmmm.mmmmm	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
07/24	20:21:45	231.7500	.01	74.19	.00	
07/24	20:22:00	232.0000	.01	73.80	.00	
07/24	20:22:15	232.2500	.01	73.53	.00	
07/24	20:22:30	232.5000	.01	73.29	.00	
07/24	20:22:45	232.7500	.01	73.07	.00	
07/24	20:23:00	233.0000	.01	72.85	.00	
07/24	20:23:15	233.2500	.01	72.63	.00	
07/24	20:23:30	233.5000	.01	72.41	.00	
07/24	20:23:45	233.7500	.01	72.19	.00	
07/24	20:24:00	234.0000	.01	71.97	.00	
07/24	20:24:15	234.2500	.01	71.75	.00	
07/24	20:24:30	234.5000	.01	71.53	.00	
07/24	20:24:45	234.7500	.01	71.31	.00	
07/24	20:25:00	235.0000	.01	71.10	.00	
07/24	20:25:15	235.2500	.01	70.90	.00	
07/24	20:25:30	235.5000	.01	70.78	.00	
07/24	20:25:45	235.7500	.01	70.67	.00	
07/24	20:26:00	236.0000	.01	70.55	.00	
07/24	20:26:15	236.2500	.01	70.43	.00	
07/24	20:26:30	236.5000	.01	70.31	.00	
07/24	20:26:45	236.7500	.01	70.19	.00	
07/24	20:27:00	237.0000	.01	70.07	.00	
07/24	20:27:15	237.2500	.01	69.96	.00	
07/24	20:27:30	237.5000	.01	69.83	.00	
07/24	20:27:45	237.7500	.01	69.72	.00	
07/24	20:28:00	238.0000	.01	69.60	.00	
07/24	20:29:00	239.0000	.01	69.37	.00	
07/24	20:30:00	240.0000	.01	69.07	.00	
07/24	20:31:00	241.0000	.01	68.77	.00	
07/24	20:32:00	242.0000	.01	68.47	.00	
07/24	20:33:00	243.0000	.01	68.28	.00	
07/24	20:34:00	244.0000	.01	68.07	.00	
07/24	20:35:00	245.0000	.01	67.88	.00	
07/24	20:36:00	246.0000	.01	67.67	.00	
07/24	20:37:00	247.0000	.01	67.45	.00	
07/24	20:38:00	248.0000	.01	67.20	.00	
07/24	20:39:00	249.0000	.01	66.96	.00	
07/24	20:40:00	250.0000	.01	66.71	.00	
07/24	20:41:00	251.0000	.01	66.52	.00	
07/24	20:42:00	252.0000	.01	66.31	.00	
07/24	20:43:00	253.0000	.01	66.10	.00	
07/24	20:44:00	254.0000	.01	65.89	.00	
07/24	20:45:00	255.0000	.01	65.71	.00	
07/24	20:46:00	256.0000	.01	65.65	.00	
07/24	20:47:00	257.0000	.01	65.57	.00	
07/24	20:48:00	258.0000	.01	65.51	.00	
07/24	20:49:00	259.0000	.01	65.57	.00	
07/24	20:50:00	260.0000	.01	65.71	.00	
07/24	20:51:00	261.0000	.01	65.84	.00	
07/24	20:52:00	262.0000	.01	65.99	.00	
07/24	20:53:00	263.0000	.01	66.09	.00	
07/24	20:54:00	264.0000	.01	66.21	.00	
07/24	20:55:00	265.0000	.01	66.34	.00	
07/24	20:56:00	266.0000	.01	66.46	.00	
07/24	20:57:00	267.0000	.01	66.57	.00	
07/24	20:58:00	268.0000	.01	66.67	.00	
07/24	20:59:00	269.0000	.01	66.78	.00	
07/24	21:00:00	270.0000	.01	66.88	.00	
07/24	21:01:00	271.0000	.01	66.95	.00	
07/24	21:02:00	272.0000	.01	67.00	.00	
07/24	21:03:00	273.0000	.01	67.04	.00	
07/24	21:04:00	274.0000	.01	67.09	.00	
07/24	21:05:00	275.0000	.01	67.13	.00	
07/24	21:06:00	276.0000	.01	67.12	.00	
07/24	21:07:00	277.0000	.01	67.11	.00	

COMPANY: EDWARDS ENERGY CORPORATION

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WELL NAME : FRONTIER NO. 1-A

DATE : 07/31/98

WELL LOCATION : SAN JUAN COUNTY, NM

FILE REF: F220727.DAT

Date MM/DD	Time hh:mm:ss	Test Time mmmmmm.mmmmm	Pressure Psig	Temp Deg F	deltaP Psi	Comment Ga. Press Ref. to 14.7 Psi Atm.
07/24	21:08:00	278.0000	.01	67.10	.00	
07/24	21:09:00	279.0000	.01	67.09	.00	
07/24	21:10:00	280.0000	.01	67.32	.00	
07/24	21:11:00	281.0000	.01	67.55	.00	
07/24	21:12:00	282.0000	.01	67.78	.00	

 *
 * EVENT SUMMARY *
 *

COMPANY : EDWARDS ENERGY CORPORATION

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WELL NAME : FRONTIER NO. 1-A

DATE : 07/31/98

WELL LOCATION : SAN JUAN COUNTY, NM

FILE REF: F220727.DAT

Date MM/DD	Time hh:mm:ss	Test Time mmmmmm.mmmmm	Key Event	Pressure Psig	Temp Deg F
07/24	17:46:15	76.2500	INSTRUMENT @ 3791'		
07/24	17:51:00	81.0000	BEGIN RATE #1	1830.09	84.77
07/24	18:05:00	95.0000	END RATE #1 - 0.32 BPM	1835.61	98.21
07/24	18:20:00	110.0000	END RATE #2 - 0.40 BPM	2267.92	102.04
07/24	18:35:00	125.0000	END RATE #3 - 0.52 BPM	2327.75	100.05
07/24	18:50:00	140.0000	END RATE #4 - 0.67 BPM	2393.85	100.06
07/24	19:05:00	155.0000	END RATE #5 - 0.85 BPM	2444.48	103.14
07/24	19:20:00	170.0000	END RATE #6 - 0.95 BPM	2487.51	101.67
07/24	19:35:00	185.0000	END RATE #7 - 1.15 BPM	2516.21	98.46
07/24	19:49:30	199.5000	END RATE #8 - 1.35 BPM	2547.62	95.30
07/24	20:05:00	215.0000	END RATE #9 - 2.00 BPM	2576.94	92.44
				2618.59	88.39

EDWARDS ENERGY CORPORATION

Pressure vs dt

FRONTIER NO. 1-A
SAN JUAN COUNTY, NM
F220727:RED

TEFTTELLER, INC.
7-24-98
STEP RATE TEST

