



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

June 26, 1998

RECEIVED
JUL 1 1998

Robert L. Bayless
P.O. Box 168
Farmington, New Mexico 87499-0168

OIL CON. DIV.
F701.8

Attn: Mr. Tom McCarthy

30-045-242-12

SWD # 3
P-7-30N-12W

Re: Satisfaction of provision contained in Division Order SWD-698.

Dear Mr. McCarthy,

I have reviewed the information submitted on the New Mexico Federal 'N' Well No.3, pursuant to the above referenced Division Order. In light of this information, we consider the provision to be satisfied and operations may proceed accordingly. All other provisions and conditions of SWD-698 and Division Rules 706 and 1120 shall remain in full force and effect.

Sincerely,

A handwritten signature in cursive script, appearing to read "Benjamin E. Stone".

Benjamin E. Stone
P.E. Specialist

/BES

cc: Oil Conservation Division - Artesia
SWD-698

RC
RL
Q

ROBERT L. BAYLESS

P. O. BOX 168
FARMINGTON, NM 87499

OFFICE NO
(505) 326-2659

April 29, 1998

Ms. Lori Wrotenbery, Director
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

RE: Response To Administrative Order SWD-698 And
Request For Surface Injection Pressure Increase
Robert L. Bayless
SWD #3
940' FSL and 1115' FEL
Section 7, T30N R12W
San Juan County, New Mexico

RECEIVED
APR 30 1998
OIL CON. DIV.
DIST. 3

Gentlemen:

Recently your office issued Administrative Order SWD-698 allowing Robert L. Bayless to inject produced water into the Point Lookout zone in the above referenced well. Your order specified that injectivity tests be performed to demonstrate that the injection interval will accept injection at anticipated rates and pressures and injection into this well should be limited to no more than 892 psi injection pressure at the surface. On April 23, 1998, Bayless ran a step rate test on the SWD #3 well, which was witnessed by Mr. Frank Chavez of your Aztec office. The data from the bottom hole pressure bomb indicates that an injection rate of 2.65 BPM at 940 psi surface pressure (2542 psi bottom hole pressure) can be achieved without breakover. Therefore, injection up to a surface pressure of 940 psi in this well will not result in migration of the injected fluid from the Point Lookout formation. As a result of this test, Robert L. Bayless requests that the NMOCD administratively approve an increase in the limiting injection pressure for this well to a pressure of 940 psi.

Enclosed with this letter is the pressure and rate data from this step rate test in tabular form along with a series of 5 graphs depicting the data trends. Graph #1 shows the overall data, while Graph #2 is an expanded view of the calculated bottom hole pressure (surface readings) and the actual bottom hole pressure (downhole pressure bomb). These graphs show a very close agreement in these two types of bottom hole pressure measurement. Graph #4 and Graph #5 show the bottom hole pressure-rate trends for calculated and actual bottom hole pressure data. The breakover shown for the calculated data is 2.62 BPM at 2530 psi bottom hole pressure, while breakover occurs for the actual data at 2.65 BPM at 2542 psi bottom hole pressure. Graph #5 expands the actual bottom hole breakover data to a surface pressure measurement. This graph shows breakover occurring at 2.65 BPM at 940 psi surface pressure. The close agreement between calculated bottom hole and actual bottom hole pressures demonstrates that data with sufficient accuracy can be obtained using surface measurement only, making actual bottom hole measurement unnecessary to obtain adequate results. This fact can result in significant cost savings on future step rate tests.

Also enclosed with this letter is a copy of a pressure test chart which demonstrates that the casing in this injection well has integrity from the surface to the packer depth. A pressure of

810 psi was held on this wellbore for a 15 minute period, with no indication of pressure leakage. Prior to this pressure test, the casing-tubing annulus was loaded with an inert packer fluid.

The information provided should address the orders issued in Administrative Order SWD-698. Please contact me with any questions you may have.

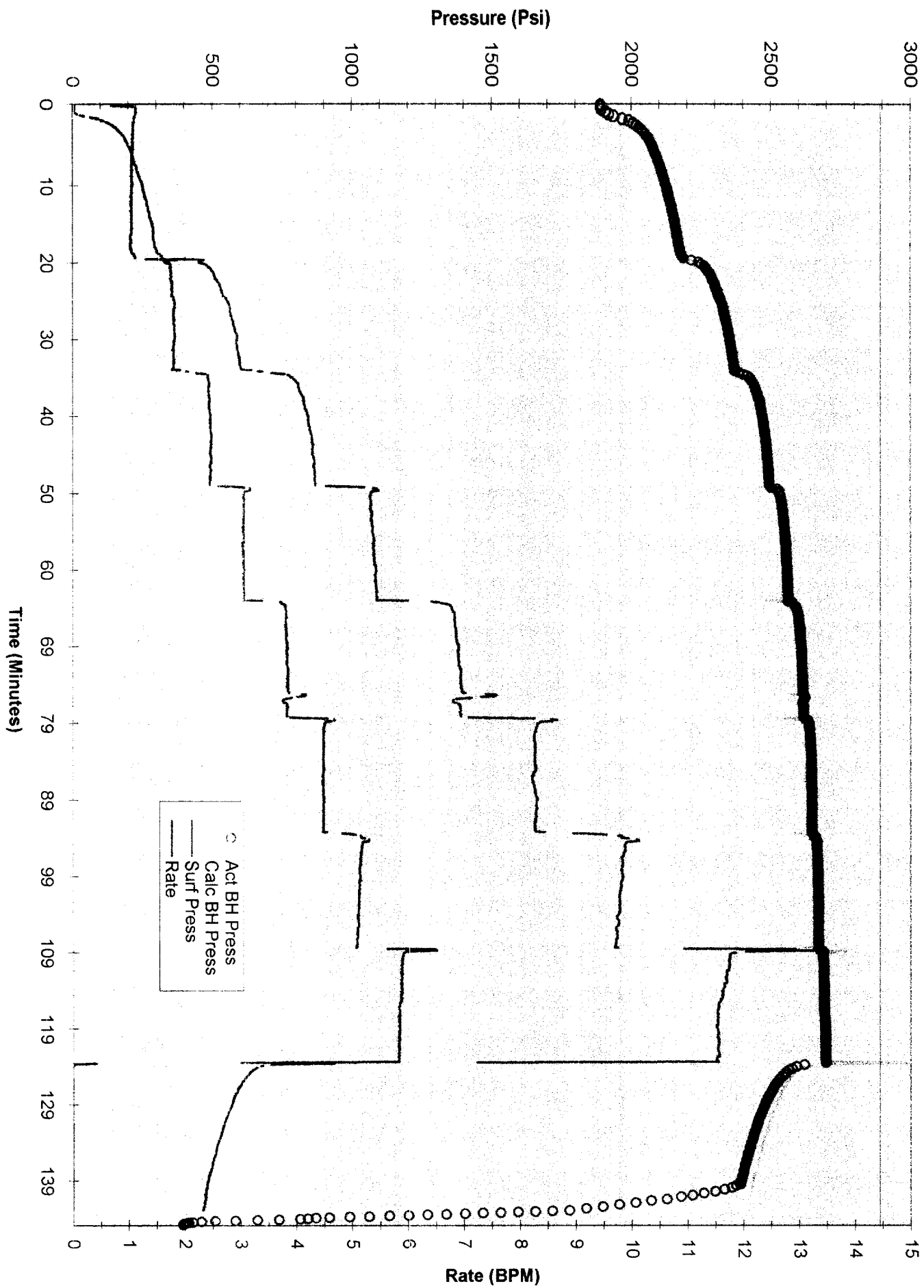
Sincerely,

A handwritten signature in black ink, appearing to read "Kevin H. McCord". The signature is fluid and cursive, with the first name "Kevin" being the most prominent part.

Kevin H. McCord
Petroleum Engineer

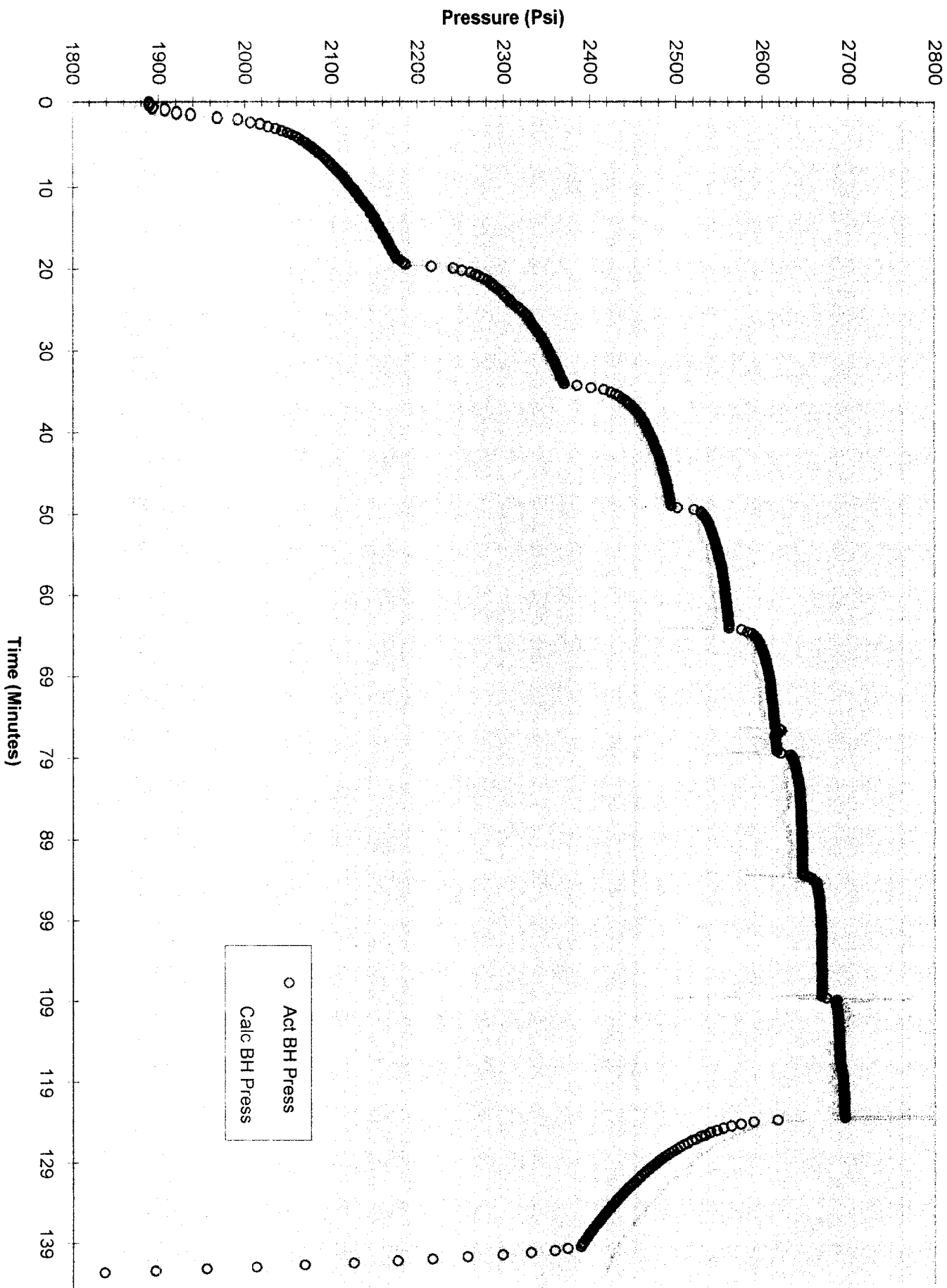
Attachments

Bayless - SWD #3 Step Rate Test 4/23/98 - Overall

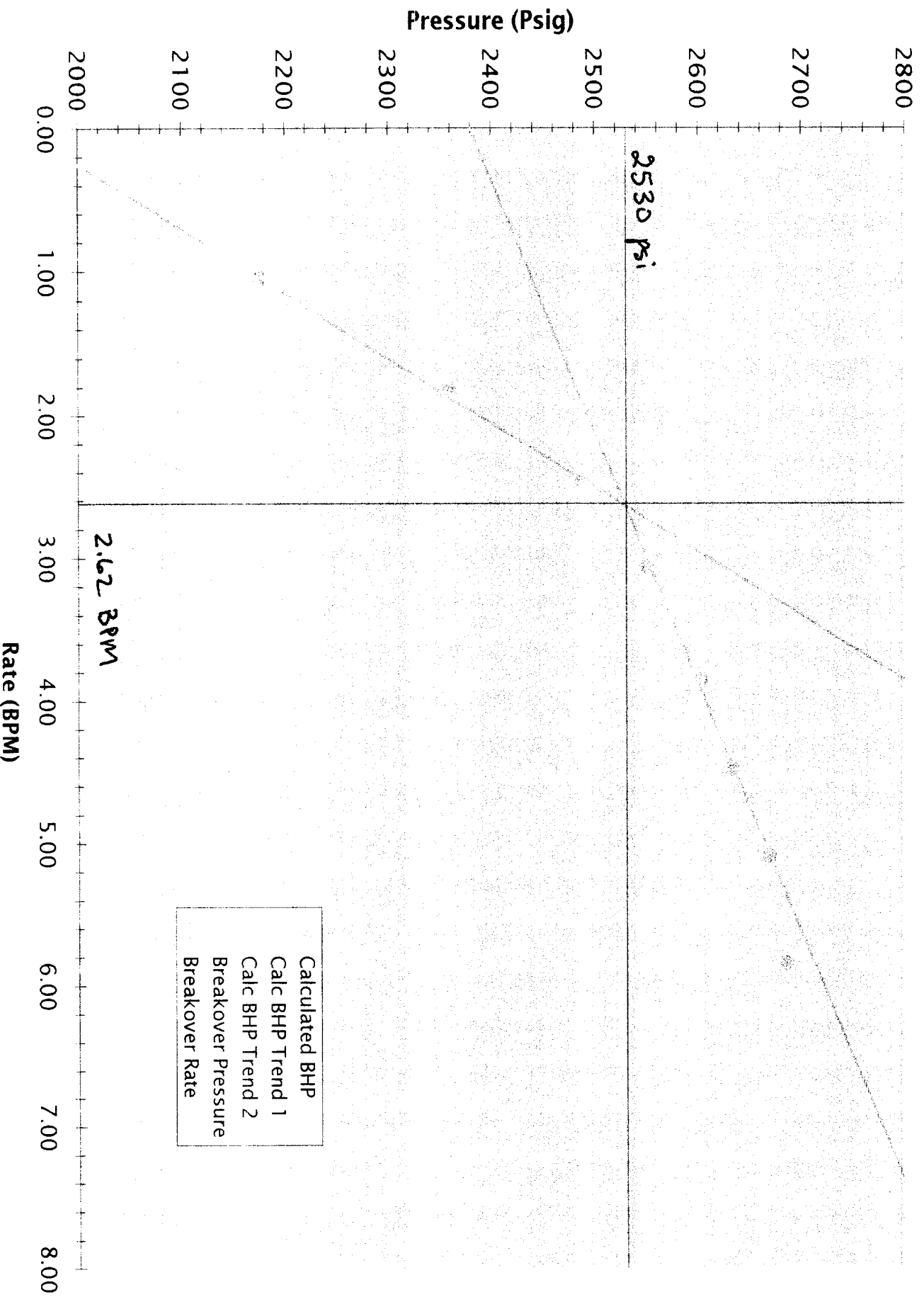


Bayless - SWD #3 Step Rate Test 4/23/98 - Expanded

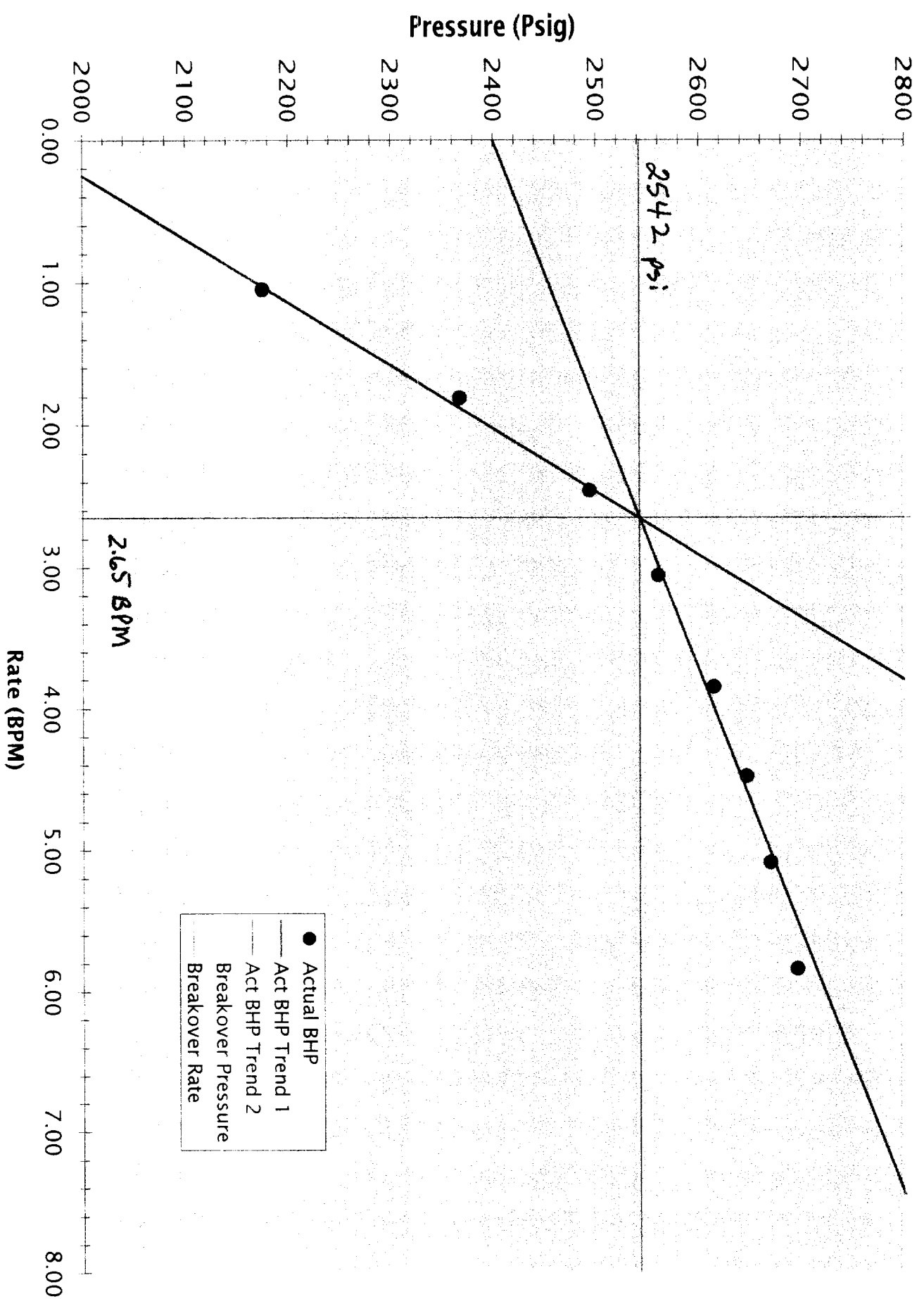
Graph 2



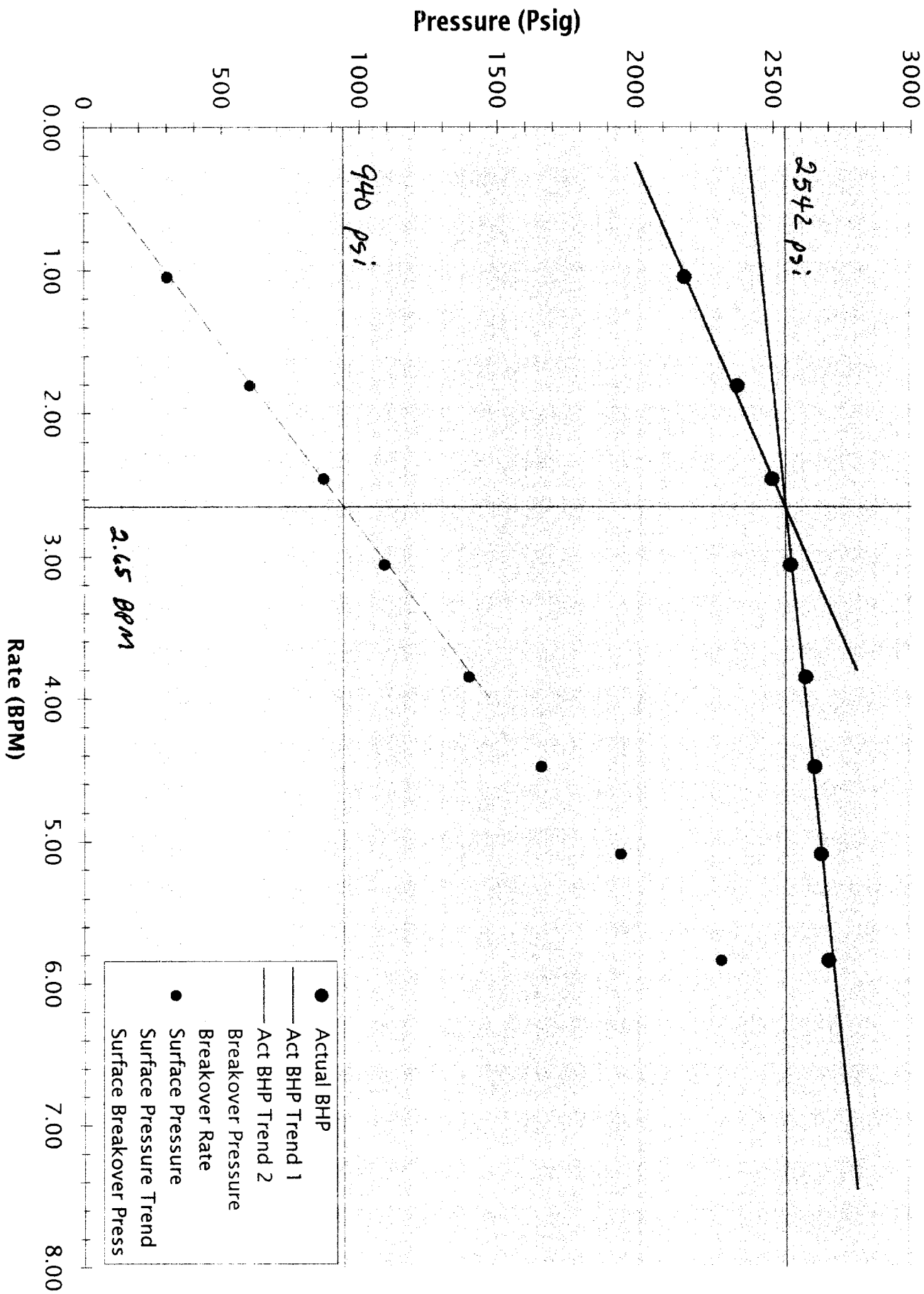
Bayless - SWD #3 Step Rate Test 4/23/98
Using Calculated BHP Data

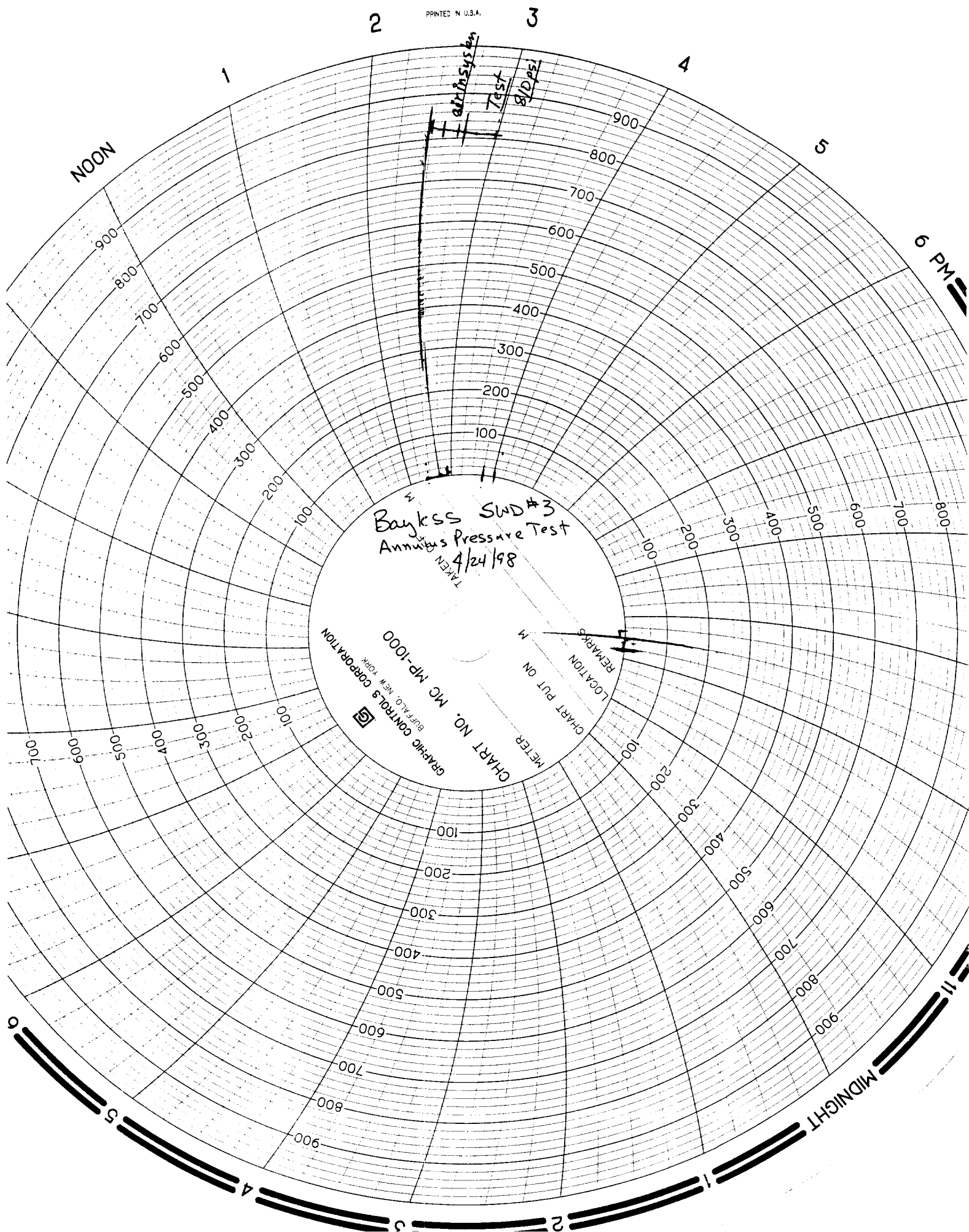


Bayless - SWD #3 Step Rate Test 4/23/98
Using Actual BHP Data



Bayless - SWD #3 Step Rate Test 4/23/98
Using Actual BHP Data





DATA FROM BJ SERVICES (SURFACE)				DATA FROM TEFTELLER (BH)	
Test Time	Calc BH Press	Rate	Surf Press	Act BH Press	BH Temp
Minutes	Psig	BPM	Psig	Psig	Deg F
0.0000	1950.01	0.00	0.61		
0.0000				1889.32	132.47
0.1000	1916.13	0.70	4.98		
0.1967	1881.53	1.08	9.16		
0.2500				1889.10	132.50
0.2966	1876.46	1.13	9.84		
0.3967	1874.59	1.14	9.14		
0.4949	1873.36	1.14	7.46		
0.5000				1892.96	132.54
0.5950	1871.53	1.14	6.42		
0.6917	1872.26	1.14	7.33		
0.7500				1907.21	132.57
0.7916	1873.96	1.13	7.70		
0.8883	1875.32	1.14	11.23		
0.9883	1881.00	1.13	17.88		
1.0000				1920.81	132.61
1.0883	1889.54	1.13	27.56		
1.1866	1904.69	1.12	43.72		
1.2500				1937.29	132.64
1.2866	1924.52	1.11	63.15		
1.3833	1942.89	1.11	80.55		
1.4833	1960.19	1.10	94.81		
1.5000				1968.04	132.69
1.5816	1972.40	1.10	103.67		
1.6816	1981.09	1.10	112.81		
1.7500				1991.72	132.72
1.7783	1988.04	1.10	120.54		
1.8783	1996.01	1.10	127.20		
1.9783	2002.78	1.09	133.29		
2.0000				2006.89	132.76
2.0767	2008.41	1.09	138.48		
2.1766	2013.82	1.09	143.53		
2.2500				2017.74	132.79
2.2733	2017.55	1.09	147.20		
2.3733	2022.22	1.09	151.98		
2.4717	2026.00	1.09	156.22		
2.5000				2027.29	132.83
2.5717	2029.66	1.09	159.37		
2.6683	2033.47	1.08	161.33		
2.7500				2035.65	132.86
2.7683	2034.98	1.09	164.36		
2.8683	2038.57	1.08	167.33		
2.9666	2042.04	1.08	169.88		
3.0000				2042.61	132.82
3.0667	2044.31	1.08	172.09		
3.1633	2047.13	1.08	175.42		
3.2500				2049.10	132.61
3.2633	2049.45	1.08	177.76		
3.3616	2052.54	1.07	178.86		
3.4616	2053.81	1.08	182.16		
3.5000				2054.54	132.41
3.5583	2056.84	1.08	185.08		
3.6583	2057.63	1.08	185.60		
3.7500				2059.73	132.20
3.7583	2059.05	1.08	186.91		
3.8550	2062.50	1.07	188.09		
3.9550	2062.67	1.07	189.78		
4.0000				2063.34	131.99
4.0533	2063.66	1.07	190.69		
4.1533	2065.17	1.07	191.58		
4.2500	2066.18	1.07	193.19		
4.2500				2066.56	131.79
4.3500	2066.24	1.08	194.26		
4.4483	2067.01	1.08	194.87		
4.5000				2070.31	131.57
4.5483	2069.31	1.08	197.51		
4.6483	2071.95	1.07	197.76		
4.7449	2071.46	1.07	197.92		
4.7500				2073.66	131.37
4.8450	2072.54	1.08	200.71		

DATA FROM BJ SERVICES (SURFACE)				DATA FROM TEFTTELLER (BH)	
Test Time Minutes	Calc BH Press Psig	Rate BPM	Surf Press Psig	Act BH Press Psig	BH Temp Deg F
4.9434	2074.91	1.08	202.88		
5.0000				2076.62	131.16
5.0433	2077.35	1.08	205.40		
5.1400	2079.95	1.07	206.23		
5.2399	2079.19	1.08	206.43		
5.2500				2079.58	130.95
5.3400	2080.27	1.08	208.21		
5.4383	2081.79	1.08	209.82		
5.5000				2082.40	130.75
5.5383	2082.45	1.08	210.50		
5.6383	2084.91	1.07	210.18		
5.7350	2084.29	1.08	211.14		
5.7500				2085.10	130.54
5.8350	2087.21	1.06	211.06		
5.9333	2084.56	1.07	212.36		
6.0000				2088.11	130.21
6.0333	2088.59	1.07	216.04		
6.1300	2089.70	1.07	214.18		
6.2300	2089.56	1.06	213.68		
6.2500				2091.00	129.84
6.3283	2089.74	1.07	217.43		
6.4283	2092.66	1.07	219.25		
6.5000				2093.63	129.46
6.5283	2093.73	1.06	218.99		
6.6250	2094.78	1.05	218.59		
6.7250	2094.21	1.06	218.78		
6.7500				2096.26	129.10
6.8217	2095.80	1.06	221.66		
6.9216	2096.64	1.07	223.13		
7.0000				2098.89	128.73
7.0200	2097.76	1.07	223.16		
7.1199	2098.29	1.06	222.96		
7.2166	2098.40	1.06	224.87		
7.2500				2100.86	128.36
7.3167	2102.26	1.06	227.70		
7.4166	2103.82	1.05	226.89		
7.5000				2103.62	128.00
7.5150	2102.87	1.06	229.64		
7.6149	2105.71	1.05	228.21		
7.7116	2105.42	1.06	228.67		
7.7500				2105.86	127.63
7.8116	2104.28	1.07	231.26		
7.9100	2107.71	1.05	230.20		
8.0000				2107.96	127.26
8.0100	2107.28	1.06	231.08		
8.1066	2108.66	1.05	232.59		
8.2066	2108.53	1.06	233.93		
8.2500				2110.46	126.90
8.3066	2110.01	1.06	235.52		
8.4050	2113.48	1.05	235.17		
8.5000				2112.83	126.53
8.5050	2110.92	1.06	236.08		
8.6050	2113.32	1.05	236.41		
8.7017	2113.87	1.05	238.86		
8.7500				2115.07	126.16
8.8016	2114.55	1.06	240.47		
8.9000	2116.32	1.06	240.85		
9.0000	2116.28	1.06	241.25		
9.0000				2116.78	125.81
9.0967	2118.70	1.06	243.67		
9.1967	2119.72	1.06	243.16		
9.2500				2118.61	125.47
9.2966	2118.61	1.06	244.73		
9.3950	2121.40	1.07	248.02		
9.4949	2122.09	1.07	247.35		
9.5000				2120.57	125.14
9.5916	2122.34	1.07	248.58		
9.6917	2124.31	1.07	250.46		
9.7500				2122.14	124.81
9.7883	2126.32	1.06	250.57		

DATA FROM BJ SERVICES (SURFACE)				DATA FROM TEFTELLER (BH)	
Test Time	Calc BH Press	Rate	Surf Press	Act BH Press	BH Temp
Minutes	Psig	BPM	Psig	Psig	Deg F
9.8883	2125.72	1.06	250.64		
9.9866	2125.99	1.07	252.31		
10.0000				2124.89	124.47
10.0866	2127.14	1.06	251.75		
10.1883	2126.49	1.06	251.19		
10.2500				2126.99	124.14
10.2866	2127.13	1.06	251.42		
10.3866	2128.10	1.06	252.49		
10.4833	2128.09	1.06	254.45		
10.5000				2128.30	123.80
10.5833	2128.90	1.06	253.70		
10.6816	2130.57	1.05	254.51		
10.7500				2130.13	123.47
10.7816	2131.67	1.05	255.46		
10.8816	2131.62	1.07	257.74		
10.9783	2132.60	1.06	256.93		
11.0000				2131.96	123.14
11.0783	2132.85	1.05	256.05		
11.1766	2135.54	1.05	259.72		
11.2500				2133.40	122.80
11.2767	2136.32	1.04	257.67		
11.3733	2134.25	1.06	259.98		
11.4733	2138.41	1.05	261.76		
11.5000				2135.76	122.47
11.5717	2135.91	1.06	260.84		
11.6716	2138.91	1.05	263.10		
11.7500				2137.20	122.14
11.7717	2139.51	1.06	264.24		
11.8684	2140.09	1.06	265.90		
11.9683	2143.54	1.04	265.24		
12.0000				2139.16	121.82
12.0667	2140.86	1.06	265.97		
12.1666	2143.42	1.05	265.36		
12.2500				2140.84	121.55
12.2633	2142.21	1.06	267.37		
12.3633	2145.62	1.04	266.67		
12.4616	2143.79	1.06	268.93		
12.5000				2143.17	121.28
12.5617	2144.46	1.05	268.53		
12.6616	2145.60	1.05	269.81		
12.7500				2144.59	121.01
12.7583	2146.59	1.06	271.02		
12.8583	2148.29	1.05	269.70		
12.9550	2145.71	1.06	270.53		
13.0000				2145.25	120.73
13.0550	2148.68	1.05	270.62		
13.1550	2150.02	1.04	270.63		
13.2500				2147.43	120.46
13.2550	2148.63	1.06	273.94		
13.3533	2149.45	1.06	273.63		
13.4533	2152.57	1.05	274.96		
13.5000				2149.76	120.19
13.5500	2149.26	1.05	273.71		
13.6500	2150.69	1.05	274.51		
13.7483	2152.31	1.05	275.87		
13.7500				2150.22	119.92
13.8483	2149.06	1.06	274.93		
13.9483	2152.78	1.05	276.42		
14.0000				2151.81	119.64
14.0450	2154.23	1.05	278.18		
14.1450	2153.00	1.06	279.67		
14.2434	2154.17	1.06	279.27		
14.2500				2153.10	119.37
14.3433	2156.26	1.06	281.79		
14.4399	2159.05	1.05	282.57		
14.5000				2155.18	119.10
14.5399	2159.80	1.05	283.33		
14.6383	2160.13	1.05	282.81		
14.7383	2160.05	1.05	283.36		
14.7500				2155.49	118.83

DATA FROM BJ SERVICES (SURFACE)				DATA FROM TEFTELLER (BH)	
Test Time	Calc BH Press	Rate	Surf Press	Act BH Press	BH Temp
Minutes	Psig	BPM	Psig	Psig	Deg F
14.8383	2160.63	1.06	286.27		
14.9350	2161.85	1.06	285.82		
15.0000				2157.09	118.57
15.0350	2161.42	1.06	286.24		
15.1333	2161.86	1.06	286.82		
15.2333	2162.71	1.06	287.77		
15.2500				2159.14	118.35
15.3300	2161.31	1.07	287.30		
15.4300	2165.41	1.05	290.15		
15.5000				2159.58	118.13
15.5283	2164.91	1.06	288.71		
15.6283	2165.37	1.05	288.08		
15.7283	2166.27	1.05	289.25		
15.7500				2160.39	117.90
15.8250	2166.10	1.05	289.10		
15.9250	2164.96	1.06	290.56		
16.0000				2162.95	117.67
16.0217	2167.43	1.05	290.46		
16.1216	2167.23	1.05	289.19		
16.2200	2165.42	1.05	288.22		
16.2500				2163.59	117.45
16.3200	2166.13	1.04	287.93		
16.4166	2165.65	1.04	288.11		
16.5000				2164.59	117.22
16.5167	2166.39	1.04	289.32		
16.6166	2167.87	1.03	288.74		
16.7150	2166.66	1.04	290.13		
16.7500				2166.89	116.99
16.8149	2166.49	1.05	290.62		
16.9116	2167.25	1.04	290.65		
17.0000				2167.19	116.77
17.0116	2170.29	1.04	292.09		
17.1100	2170.34	1.04	292.32		
17.2100	2169.68	1.05	292.84		
17.2500				2168.91	116.54
17.3066	2171.17	1.04	293.46		
17.4066	2171.98	1.04	294.04		
17.5000				2170.31	116.31
17.5066	2171.83	1.04	294.56		
17.6050	2172.10	1.04	294.54		
17.7050	2175.02	1.03	295.92		
17.7500				2170.95	116.10
17.8050	2173.65	1.05	297.95		
17.9017	2176.69	1.04	296.97		
18.0000				2173.63	115.88
18.0017	2175.13	1.05	299.13		
18.1000	2177.11	1.04	299.30		
18.2000	2177.36	1.05	301.45		
18.2500				2174.06	115.69
18.2966	2177.56	1.05	300.74		
18.3967	2179.27	1.05	302.04		
18.4966	2177.64	1.06	303.16		
18.5000				2175.62	115.49
18.5950	2180.34	1.07	307.14		
18.6950	2180.59	1.10	312.84		
18.7500				2179.38	115.29
18.7916	2183.94	1.10	313.98		
18.8917	2187.76	1.10	317.80		
18.9883	2186.77	1.12	320.22		
19.0000				2182.74	115.09
19.0883	2189.40	1.12	321.31		
19.1867	2189.07	1.12	321.88		
19.2500				2185.71	114.89
19.2866	2187.35	1.31	359.63		
19.3866	2188.27	1.76	443.26		
19.4833	2215.00	1.86	469.68		
19.5000				2215.90	114.70
19.5833	2232.73	1.73	457.61		
19.6816	2242.54	1.64	451.54		
19.7500				2241.48	114.50

DATA FROM BJ SERVICES (SURFACE)				DATA FROM TEFTELLER (BH)	
Test Time	Calc BH Press	Rate	Surf Press	Act BH Press	BH Temp
Minutes	Psig	BPM	Psig	Psig	Deg F
19.7816	2238.54	1.66	452.83		
19.8783	2238.56	1.72	466.94		
19.9783	2243.69	1.74	474.26		
20.0000				2251.43	114.30
20.0767	2247.23	1.75	479.21		
20.1766	2251.33	1.75	482.75		
20.2500				2261.50	114.10
20.2767	2254.35	1.75	485.34		
20.3733	2258.57	1.75	489.98		
20.4733	2261.92	1.74	492.18		
20.5000				2267.11	113.90
20.5717	2261.47	1.76	494.18		
20.6716	2265.47	1.75	496.33		
20.7500				2272.05	113.71
20.7683	2264.85	1.76	498.42		
20.8684	2267.06	1.76	500.36		
20.9666	2270.66	1.75	502.89		
21.0000				2277.00	113.50
21.0667	2269.49	1.77	504.46		
21.1666	2271.94	1.76	505.45		
21.2500				2281.59	113.22
21.2633	2273.63	1.76	505.14		
21.3633	2274.75	1.76	507.70		
21.4616	2274.81	1.76	506.49		
21.5000				2284.73	112.95
21.5617	2274.04	1.77	508.99		
21.6583	2277.35	1.76	510.88		
21.7500				2287.34	112.67
21.7583	2279.93	1.75	509.67		
21.8550	2280.45	1.75	511.30		
21.9550	2281.52	1.76	515.29		
22.0000				2289.83	112.39
22.0550	2283.86	1.76	516.12		
22.1533	2284.33	1.77	519.76		
22.2500				2292.96	112.12
22.2533	2284.91	1.78	519.27		
22.3500	2287.43	1.77	523.49		
22.4500	2287.97	1.78	524.19		
22.5000				2296.63	111.85
22.5483	2288.59	1.78	526.30		
22.6483	2290.72	1.78	525.96		
22.7449	2290.93	1.78	527.82		
22.7500				2299.24	111.58
22.8450	2293.22	1.77	526.83		
22.9450	2291.61	1.78	528.30		
23.0000				2301.06	111.30
23.0433	2293.18	1.78	529.56		
23.1433	2293.62	1.78	529.65		
23.2399	2295.60	1.77	530.25		
23.2500				2303.68	111.03
23.3400	2297.85	1.77	531.07		
23.4383	2295.62	1.78	533.14		
23.5000				2306.82	110.75
23.5383	2297.98	1.78	534.36		
23.6383	2299.07	1.78	535.22		
23.7350	2300.41	1.78	536.63		
23.7500				2308.12	110.48
23.8350	2299.32	1.78	536.10		
23.9333	2304.23	1.77	538.44		
24.0000				2310.61	110.17
24.0333	2302.96	1.78	539.28		
24.1300	2304.88	1.77	538.33		
24.2300	2303.04	1.79	543.35		
24.2500				2313.52	109.83
24.3283	2304.22	1.81	546.85		
24.4283	2307.29	1.81	550.95		
24.5000				2317.21	109.50
24.5283	2310.42	1.81	551.29		
24.6250	2312.71	1.80	553.01		
24.7250	2308.45	1.82	552.20		

DATA FROM BJ SERVICES (SURFACE)				DATA FROM TEFTELLER (BH)	
Test Time Minutes	Calc BH Press Psig	Rate BPM	Surf Press Psig	Act BH Press Psig	BH Temp Deg F
24.7500				2319.72	109.16
24.8217	2310.84	1.82	555.19		
24.9216	2311.44	1.83	558.08		
25.0000				2322.10	108.83
25.0200	2315.05	1.82	557.87		
25.1199	2312.65	1.83	559.99		
25.2166	2315.38	1.83	561.24		
25.2500				2325.14	108.49
25.3167	2314.21	1.83	561.17		
25.4166	2318.08	1.82	561.57		
25.5000				2326.99	108.16
25.5150	2318.59	1.82	563.23		
25.6149	2319.74	1.82	563.29		
25.7116	2318.60	1.83	564.16		
25.7500				2328.45	107.82
25.8117	2322.74	1.81	563.81		
25.9100	2321.64	1.81	563.13		
25.9949	2321.39	1.81	563.01		
26.0000				2330.30	107.49
26.0950	2321.44	1.82	564.64		
26.1917	2322.53	1.81	564.32		
26.2500				2330.92	107.16
26.2916	2323.75	1.81	566.96		
26.3917	2325.15	1.81	564.92		
26.4883	2324.04	1.81	566.41		
26.5000				2333.21	106.83
26.5883	2324.71	1.81	565.70		
26.6867	2325.07	1.81	569.76		
26.7500				2334.93	106.49
26.7866	2327.67	1.82	570.31		
26.8866	2326.43	1.82	570.40		
26.9833	2328.35	1.81	569.99		
27.0000				2336.38	106.17
27.0833	2328.97	1.81	570.81		
27.1816	2330.68	1.82	573.41		
27.2500				2338.63	105.84
27.2816	2332.99	1.82	574.71		
27.3783	2333.16	1.81	575.41		
27.4783	2333.02	1.81	573.94		
27.5000				2340.34	105.53
27.5767	2332.78	1.81	574.60		
27.6766	2333.52	1.81	575.82		
27.7500				2341.93	105.21
27.7767	2333.59	1.82	576.32		
27.8733	2333.72	1.82	577.26		
27.9733	2333.30	1.83	577.53		
28.0000				2343.64	104.89
28.0717	2333.23	1.82	578.77		
28.1716	2335.78	1.82	580.54		
28.2500				2344.26	104.57
28.2683	2335.82	1.82	581.13		
28.3684	2338.14	1.82	582.18		
28.4666	2337.29	1.82	582.75		
28.5000				2346.15	104.26
28.5667	2338.84	1.82	582.55		
28.6666	2339.64	1.82	583.01		
28.7500				2347.73	103.94
28.7633	2340.27	1.82	584.58		
28.8633	2340.87	1.83	588.32		
28.9616	2341.90	1.83	588.66		
29.0000				2348.22	103.62
29.0617	2343.67	1.83	588.59		
29.1633	2341.41	1.83	589.33		
29.2500				2349.98	103.30
29.2616	2341.79	1.84	590.23		
29.3616	2345.27	1.83	589.75		
29.4583	2342.79	1.83	589.63		
29.5000				2351.43	102.99
29.5583	2344.96	1.83	589.17		
29.6583	2343.92	1.83	589.70		

DATA FROM BJ SERVICES (SURFACE)					DATA FROM TEFTELLER (BH)	
Test Time Minutes	Calc BH Press Psig	Rate BPM	Surf Press Psig		Act BH Press Psig	BH Temp Deg F
29.7500					2351.98	102.67
29.7550	2344.75	1.82	589.43			
29.8550	2345.86	1.82	586.68			
29.9533	2345.94	1.81	587.07			
30.0000					2353.80	102.37
30.0533	2345.67	1.82	587.39			
30.1500	2344.00	1.82	588.50			
30.2500	2345.40	1.81	588.60			
30.2500					2354.48	102.09
30.3500	2343.94	1.82	588.18			
30.4483	2349.64	1.81	589.91			
30.5000					2355.65	101.81
30.5483	2347.62	1.81	590.03			
30.6450	2348.74	1.81	589.16			
30.7449	2347.31	1.81	590.20			
30.7500					2357.45	101.53
30.8433	2350.90	1.80	590.16			
30.9434	2348.03	1.80	590.13			
31.0000					2358.76	101.25
31.0399	2350.88	1.79	589.49			
31.1400	2348.29	1.81	591.04			
31.2399	2349.26	1.81	591.34			
31.2500					2359.23	100.97
31.3383	2349.85	1.81	593.33			
31.4383	2351.48	1.81	593.41			
31.5000					2360.22	100.68
31.5350	2352.16	1.81	594.30			
31.6350	2352.57	1.81	593.90			
31.7333	2352.23	1.81	593.89			
31.7500					2361.39	100.40
31.8333	2351.23	1.81	594.88			
31.9300	2354.67	1.81	596.78			
32.0000					2362.29	100.12
32.0300	2355.42	1.81	597.30			
32.1300	2354.45	1.81	595.89			
32.2283	2354.27	1.81	597.05			
32.2500					2363.84	99.83
32.3283	2355.54	1.82	598.06			
32.4250	2355.74	1.81	597.03			
32.5000					2364.52	99.55
32.5250	2355.52	1.81	596.86			
32.6216	2355.84	1.81	598.14			
32.7217	2356.60	1.82	599.20			
32.7500					2365.42	99.27
32.8200	2357.12	1.81	598.82			
32.9200	2357.13	1.81	598.43			
33.0000					2366.20	99.01
33.0200	2358.45	1.81	601.24			
33.1166	2359.45	1.81	601.12			
33.2166	2359.46	1.81	600.60			
33.2500					2367.87	98.75
33.3149	2359.53	1.81	602.19			
33.4149	2359.89	1.81	602.58			
33.5000					2368.32	98.50
33.5116	2363.81	1.79	604.76			
33.6116	2370.37	1.78	607.28			
33.7100	2364.51	1.92	640.62			
33.7500					2370.19	98.25
33.8100	2367.05	2.04	662.89			
33.9100	2375.40	2.07	680.03			
34.0000					2384.95	98.00
34.0066	2376.20	2.21	712.16			
34.1066	2386.95	2.26	729.03			
34.2050	2387.64	2.38	758.40			
34.2500					2400.90	97.75
34.3050	2394.16	2.42	770.71			
34.4017	2402.38	2.42	778.13			
34.5000					2416.06	97.50
34.5017	2408.81	2.42	782.36			
34.6000	2412.58	2.42	784.90			

DATA FROM BJ SERVICES (SURFACE)				DATA FROM TEFTELLER (BH)	
Test Time Minutes	Calc BH Press Psig	Rate BPM	Surf Press Psig	Act BH Press Psig	BH Temp Deg F
34.7000	2414.26	2.42	787.37		
34.7500				2423.83	97.24
34.8000	2417.24	2.43	792.01		
34.8967	2419.58	2.43	794.03		
34.9966	2421.24	2.43	796.23		
35.0000				2429.48	96.99
35.0950	2421.67	2.44	800.01		
35.1950	2425.06	2.44	801.17		
35.2500				2433.69	96.74
35.2916	2426.42	2.45	804.16		
35.3917	2427.90	2.45	807.44		
35.4916	2431.43	2.45	807.03		
35.5000				2437.10	96.49
35.5883	2432.07	2.44	808.69		
35.6883	2430.04	2.45	809.47		
35.7500				2440.51	96.23
35.7866	2434.18	2.44	810.09		
35.8866	2434.87	2.43	808.28		
35.9833	2434.72	2.43	810.66		
36.0000				2443.53	95.98
36.0833	2437.21	2.43	810.36		
36.1816	2439.64	2.43	812.40		
36.2500				2446.04	95.68
36.2816	2436.83	2.44	813.34		
36.3816	2436.26	2.44	812.91		
36.4783	2437.51	2.43	814.66		
36.5000				2448.55	95.38
36.5783	2439.06	2.44	816.36		
36.6766	2440.29	2.44	816.89		
36.7500				2450.93	95.08
36.7767	2441.87	2.44	819.31		
36.8733	2444.16	2.44	820.81		
36.9733	2445.12	2.44	822.79		
37.0000				2452.91	94.79
37.0717	2444.32	2.44	824.01		
37.1716	2446.08	2.45	826.42		
37.2500				2455.15	94.49
37.2717	2447.54	2.45	826.29		
37.3684	2447.37	2.45	826.69		
37.4683	2448.26	2.45	827.22		
37.5000				2457.00	94.20
37.5667	2448.47	2.45	826.96		
37.6666	2448.96	2.46	828.65		
37.7500				2458.32	93.90
37.7633	2450.51	2.45	829.45		
37.8633	2452.21	2.44	827.54		
37.9616	2451.32	2.44	827.48		
38.0000				2459.91	93.61
38.0617	2451.69	2.44	828.47		
38.1616	2450.60	2.45	830.55		
38.2500				2461.36	93.31
38.2583	2452.49	2.45	831.10		
38.3583	2451.07	2.45	831.55		
38.4550	2455.39	2.44	831.39		
38.5000				2462.94	93.02
38.5550	2453.48	2.44	831.55		
38.6533	2453.43	2.45	833.01		
38.7500				2463.64	92.72
38.7533	2456.80	2.45	834.22		
38.8500	2454.49	2.46	837.02		
38.9500	2456.55	2.46	837.89		
39.0000				2465.60	92.41
39.0500	2456.63	2.46	838.44		
39.1483	2458.43	2.46	839.51		
39.2483	2458.02	2.46	840.64		
39.2500				2466.22	92.11
39.3483	2458.71	2.46	839.34		
39.4483	2459.88	2.47	841.94		
39.5000				2467.98	91.81
39.5450	2459.17	2.47	842.00		

DATA FROM BJ SERVICES (SURFACE)				DATA FROM TEFTELLER (BH)	
Test Time Minutes	Calc BH Press Psig	Rate BPM	Surf Press Psig	Act BH Press Psig	BH Temp Deg F
39.6450	2459.35	2.47	843.65		
39.7434	2460.88	2.47	843.86		
39.7500				2468.60	91.51
39.8433	2461.96	2.46	842.50		
39.9399	2459.86	2.47	843.50		
40.0000				2470.36	91.21
40.0399	2461.84	2.46	842.85		
40.1383	2462.30	2.47	843.47		
40.2383	2460.22	2.46	843.86		
40.2500				2470.91	90.92
40.3383	2463.02	2.47	843.13		
40.4350	2459.96	2.47	842.53		
40.5000				2472.74	90.62
40.5350	2459.58	2.46	843.88		
40.6333	2463.70	2.47	845.25		
40.7333	2462.19	2.47	845.65		
40.7500				2473.37	90.32
40.8300	2461.75	2.47	845.64		
40.9300	2465.26	2.47	846.54		
41.0000				2474.29	90.02
41.0283	2466.30	2.46	848.89		
41.1283	2465.56	2.47	849.54		
41.2283	2466.07	2.47	849.53		
41.2500				2475.22	89.72
41.3250	2466.24	2.47	849.27		
41.4250	2467.27	2.47	850.44		
41.5000				2476.21	89.43
41.5217	2467.33	2.47	850.61		
41.6216	2467.27	2.47	851.50		
41.7200	2468.60	2.47	853.25		
41.7500				2477.14	89.13
41.8200	2468.27	2.48	853.21		
41.9166	2469.98	2.47	853.32		
42.0000				2478.13	88.85
42.0167	2467.96	2.49	855.45		
42.1166	2468.94	2.49	855.84		
42.2150	2470.39	2.48	856.28		
42.2500				2479.16	88.60
42.3149	2469.88	2.48	857.41		
42.4116	2472.04	2.48	855.32		
42.5000				2480.06	88.35
42.5116	2470.29	2.48	857.07		
42.6100	2471.11	2.48	857.45		
42.7100	2472.13	2.48	857.95		
42.7500				2480.76	88.11
42.8066	2472.13	2.48	857.32		
42.9066	2471.53	2.47	858.85		
43.0000				2481.61	87.86
43.0066	2473.49	2.48	858.85		
43.1050	2473.31	2.48	859.22		
43.2050	2473.86	2.48	860.80		
43.2500				2482.44	87.61
43.3016	2474.66	2.47	860.97		
43.4017	2474.89	2.47	860.30		
43.5000	2477.66	2.47	859.99		
43.5000				2483.16	87.36
43.6000	2476.23	2.48	859.94		
43.7000	2476.14	2.47	859.43		
43.7500				2484.12	87.11
43.7966	2475.24	2.47	858.60		
43.8967	2475.88	2.47	859.05		
43.9949	2475.44	2.47	858.88		
44.0000				2484.35	86.86
44.0950	2474.72	2.47	859.05		
44.1917	2479.00	2.46	860.49		
44.2500				2485.11	86.61
44.2916	2477.79	2.46	859.74		
44.3883	2476.48	2.47	859.57		
44.4883	2475.22	2.47	857.90		
44.5000				2485.51	86.36

DATA FROM BJ SERVICES (SURFACE)				DATA FROM TEFTELLER (BH)	
Test Time	Calc BH Press	Rate	Surf Press	Act BH Press	BH Temp
Minutes	Psig	BPM	Psig	Psig	Deg F
44.5883	2475.27	2.47	860.10		
44.6867	2477.60	2.47	861.27		
44.7500				2486.10	86.12
44.7866	2477.94	2.48	861.45		
44.8833	2476.12	2.47	862.72		
44.9833	2477.44	2.48	862.70		
45.0000				2487.09	85.88
45.0816	2477.42	2.48	864.44		
45.1816	2478.80	2.48	864.90		
45.2500				2487.41	85.68
45.2783	2478.94	2.48	865.27		
45.3783	2479.45	2.48	865.14		
45.4783	2479.75	2.47	864.34		
45.5000				2488.30	85.48
45.5767	2479.33	2.47	865.31		
45.6766	2479.11	2.48	865.10		
45.7500				2488.66	85.28
45.7733	2480.15	2.47	865.76		
45.8733	2481.35	2.47	864.43		
45.9717	2483.58	2.46	863.76		
46.0000				2489.15	85.08
46.0717	2479.06	2.46	862.58		
46.1683	2479.57	2.46	864.06		
46.2500				2490.00	84.88
46.2683	2481.13	2.47	864.34		
46.3684	2483.91	2.47	865.67		
46.4666	2481.94	2.47	865.00		
46.5000				2490.24	84.68
46.5667	2482.00	2.47	865.64		
46.6633	2482.40	2.48	865.64		
46.7500				2490.68	84.48
46.7633	2482.51	2.47	866.45		
46.8616	2483.81	2.47	866.05		
46.9616	2482.52	2.47	866.54		
47.0000				2491.46	84.28
47.0583	2484.24	2.47	866.70		
47.1583	2483.00	2.47	866.35		
47.2500				2491.63	84.08
47.2583	2482.68	2.47	867.03		
47.3550	2484.01	2.46	866.78		
47.4550	2483.56	2.47	866.94		
47.5000				2492.20	83.88
47.5533	2484.83	2.47	865.56		
47.6533	2483.08	2.46	866.31		
47.7500	2485.02	2.46	865.34		
47.7500				2492.49	83.67
47.8500	2483.83	2.47	865.77		
47.9483	2485.07	2.46	866.98		
48.0000				2492.91	83.50
48.0483	2486.70	2.46	866.99		
48.1483	2486.86	2.46	867.69		
48.2449	2486.90	2.45	866.78		
48.2500				2493.60	83.33
48.3450	2486.47	2.46	869.73		
48.4434	2486.08	2.46	868.41		
48.5000				2493.85	83.16
48.5433	2473.55	2.61	908.14		
48.6400	2470.36	2.82	969.87		
48.7399	2460.62	3.09	1044.53		
48.7500				2501.33	83.00
48.8400	2493.17	3.17	1076.44		
48.9383	2510.48	3.17	1088.48		
49.0000				2520.62	82.83
49.0383	2516.12	3.18	1094.45		
49.1350	2521.40	3.16	1091.06		
49.2350	2528.88	3.09	1072.22		
49.2500				2528.78	82.67
49.3333	2528.24	3.07	1069.96		
49.4333	2530.06	3.07	1067.55		
49.5000				2529.35	82.50

DATA FROM BJ SERVICES (SURFACE)				DATA FROM TEFTELLER (BH)	
Test Time Minutes	Calc BH Press Psig	Rate BPM	Surf Press Psig	Act BH Press Psig	BH Temp Deg F
49.5300	2525.77	3.07	1067.22		
49.6300	2527.07	3.07	1066.76		
49.7300	2528.16	3.06	1067.51		
49.7500				2532.11	82.34
49.8283	2530.47	3.05	1064.04		
49.9283	2527.31	3.05	1064.34		
50.0000				2534.04	82.17
50.0250	2532.02	3.05	1066.37		
50.1250	2528.94	3.06	1064.60		
50.2217	2522.26	3.07	1066.23		
50.2500				2535.31	82.01
50.3217	2523.00	3.07	1066.34		
50.4200	2525.20	3.07	1067.63		
50.5000				2536.58	81.84
50.5200	2524.56	3.07	1066.99		
50.6199	2525.32	3.07	1067.90		
50.7166	2525.28	3.07	1068.74		
50.7500				2537.85	81.67
50.8167	2528.20	3.06	1066.88		
50.9149	2526.26	3.06	1067.40		
51.0000				2538.42	81.50
51.0150	2526.68	3.07	1069.52		
51.1116	2527.95	3.06	1066.11		
51.2116	2527.23	3.06	1067.55		
51.2500				2539.43	81.33
51.3100	2527.41	3.06	1066.73		
51.4100	2527.90	3.06	1066.76		
51.5000				2540.23	81.15
51.5100	2524.52	3.06	1066.68		
51.6066	2525.79	3.06	1064.09		
51.7066	2522.84	3.07	1067.09		
51.7500				2541.05	80.98
51.8050	2526.22	3.07	1068.16		
51.9050	2529.34	3.07	1070.54		
52.0000				2541.85	80.80
52.0017	2530.30	3.07	1070.41		
52.1017	2531.14	3.06	1070.56		
52.2000	2528.56	3.06	1069.80		
52.2500				2542.67	80.63
52.3000	2528.07	3.07	1071.95		
52.4000	2528.73	3.06	1071.81		
52.4966	2531.59	3.06	1069.69		
52.5000				2543.54	80.45
52.5967	2530.51	3.06	1069.58		
52.6967	2529.40	3.06	1070.06		
52.7500				2544.29	80.28
52.7950	2533.25	3.06	1067.97		
52.8950	2531.80	3.05	1069.40		
52.9916	2530.22	3.05	1070.76		
53.0000				2544.96	80.10
53.0916	2529.37	3.06	1068.36		
53.1883	2531.49	3.06	1072.48		
53.2500				2545.50	79.93
53.2883	2535.89	3.06	1071.48		
53.3883	2531.84	3.05	1070.78		
53.4866	2534.52	3.05	1072.11		
53.5000				2546.19	79.75
53.5866	2532.48	3.05	1071.34		
53.6833	2535.15	3.05	1072.14		
53.7500				2547.07	79.58
53.7833	2533.83	3.05	1074.33		
53.8816	2537.37	3.06	1074.91		
53.9816	2538.06	3.04	1074.44		
54.0000				2547.89	79.41
54.0783	2537.77	3.05	1074.44		
54.1783	2534.57	3.06	1074.17		
54.2500				2548.14	79.25
54.2783	2535.10	3.06	1073.50		
54.3767	2536.54	3.05	1073.45		
54.4767	2537.14	3.05	1073.38		

DATA FROM BJ SERVICES (SURFACE)				DATA FROM TEFTELLER (BH)	
Test Time Minutes	Calc BH Press Psig	Rate BPM	Surf Press Psig	Act BH Press Psig	BH Temp Deg F
54.5000				2548.61	79.10
54.5733	2536.45	3.05	1073.41		
54.6733	2537.14	3.05	1073.66		
54.7500				2549.21	78.95
54.7717	2534.51	3.06	1074.67		
54.8716	2535.34	3.06	1076.42		
54.9683	2537.05	3.06	1076.97		
55.0000				2549.89	78.79
55.0684	2537.41	3.06	1077.26		
55.1683	2537.64	3.06	1077.31		
55.2500				2550.55	78.64
55.2667	2537.97	3.06	1077.67		
55.3666	2538.29	3.06	1078.16		
55.4633	2535.72	3.06	1077.35		
55.5000				2551.08	78.49
55.5633	2538.13	3.06	1077.94		
55.6633	2539.25	3.06	1079.72		
55.7500				2551.62	78.34
55.7616	2540.40	3.07	1078.96		
55.8616	2539.97	3.06	1078.05		
55.9583	2539.74	3.04	1076.99		
56.0000				2552.16	78.18
56.0583	2539.19	3.05	1075.17		
56.1550	2539.04	3.05	1077.39		
56.2500				2552.88	78.03
56.2550	2539.50	3.04	1076.95		
56.3550	2540.55	3.05	1077.91		
56.4550	2540.49	3.05	1076.19		
56.5000				2553.10	77.88
56.5533	2539.26	3.05	1076.03		
56.6533	2540.04	3.05	1076.10		
56.7500	2539.99	3.05	1076.44		
56.7500				2553.35	77.72
56.8500	2540.81	3.05	1079.07		
56.9483	2542.47	3.05	1079.54		
57.0000				2553.69	77.59
57.0483	2543.60	3.05	1078.27		
57.1450	2541.63	3.06	1078.37		
57.2449	2540.22	3.06	1077.01		
57.2500				2554.41	77.47
57.3450	2538.36	3.05	1077.75		
57.4434	2538.80	3.06	1079.24		
57.5000				2554.59	77.35
57.5433	2542.53	3.06	1078.49		
57.6400	2541.80	3.05	1078.26		
57.7399	2541.91	3.05	1079.51		
57.7500				2554.85	77.23
57.8383	2541.97	3.06	1079.30		
57.9383	2539.78	3.06	1079.50		
58.0000				2555.44	77.12
58.0350	2539.61	3.06	1078.56		
58.1350	2541.75	3.06	1077.89		
58.2350	2538.69	3.06	1078.75		
58.2500				2555.69	77.00
58.3333	2540.49	3.06	1080.43		
58.4333	2541.59	3.06	1081.48		
58.5000				2556.18	76.88
58.5300	2541.30	3.06	1080.73		
58.6300	2540.00	3.05	1080.23		
58.7283	2541.38	3.06	1080.74		
58.7500				2556.31	76.76
58.8283	2541.84	3.07	1083.53		
58.9250	2542.40	3.07	1085.90		
59.0000				2556.51	76.64
59.0250	2542.65	3.06	1085.05		
59.1250	2542.61	3.07	1085.87		
59.2217	2543.47	3.07	1085.59		
59.2500				2556.77	76.52
59.3217	2542.79	3.07	1085.54		
59.4216	2542.78	3.08	1085.83		

Test Time Minutes	DATA FROM BJ SERVICES (SURFACE)			DATA FROM TEFTELLER (BH)	
	Calc BH Press Psig	Rate BPM	Surf Press Psig	Act BH Press Psig	BH Temp Deg F
59.5000				2557.06	76.41
59.5217	2544.62	3.07	1086.95		
59.6199	2543.81	3.07	1086.36		
59.7200	2543.95	3.07	1086.07		
59.7500				2557.33	76.29
59.8167	2546.10	3.06	1084.49		
59.9166	2547.61	3.05	1083.62		
60.0000				2557.52	76.18
60.0167	2543.59	3.06	1082.24		
60.1166	2542.71	3.06	1084.10		
60.2150	2543.85	3.06	1083.88		
60.2500				2557.67	76.09
60.3149	2544.82	3.05	1084.20		
60.4116	2544.30	3.05	1084.42		
60.5000				2557.89	76.00
60.5116	2544.37	3.06	1084.23		
60.6100	2544.42	3.06	1083.38		
60.7100	2543.92	3.05	1083.74		
60.7500				2558.49	75.91
60.8066	2543.85	3.06	1084.43		
60.9066	2544.86	3.06	1082.86		
61.0000				2558.65	75.82
61.0066	2543.23	3.06	1084.57		
61.1050	2547.87	3.06	1084.96		
61.2050	2548.24	3.05	1086.17		
61.2500				2558.83	75.73
61.3016	2546.15	3.06	1086.36		
61.4017	2546.52	3.06	1086.15		
61.5000	2547.00	3.06	1086.29		
61.5000				2559.13	75.63
61.6000	2546.61	3.06	1086.70		
61.7000	2546.75	3.06	1086.37		
61.7500				2559.62	75.55
61.7966	2546.95	3.06	1086.67		
61.8967	2547.19	3.06	1087.22		
61.9949	2544.13	3.06	1087.30		
62.0000				2559.76	75.46
62.0950	2545.69	3.07	1089.01		
62.1917	2546.73	3.07	1087.69		
62.2500				2559.93	75.36
62.2916	2547.60	3.07	1088.58		
62.3883	2549.27	3.06	1088.84		
62.4883	2548.48	3.06	1087.60		
62.5000				2560.11	75.27
62.5883	2545.26	3.07	1087.25		
62.6883	2545.33	3.07	1088.01		
62.7500				2560.40	75.18
62.7866	2547.72	3.06	1087.63		
62.8866	2548.55	3.06	1088.57		
62.9833	2548.78	3.06	1088.33		
63.0000				2560.93	75.10
63.0833	2549.25	3.06	1089.01		
63.1833	2549.68	3.06	1090.01		
63.2500				2561.07	75.03
63.2816	2549.40	3.06	1087.72		
63.3816	2548.86	3.06	1087.49		
63.4783	2482.13	3.38	1200.97		
63.5000				2561.23	74.95
63.5783	2515.27	3.71	1284.74		
63.6766	2547.65	3.74	1312.31		
63.7500				2576.06	74.88
63.7767	2564.49	3.74	1320.13		
63.8733	2565.97	3.76	1333.55		
63.9733	2571.33	3.80	1346.90		
64.0000				2582.61	74.80
64.0733	2575.83	3.80	1351.83		
64.1716	2576.03	3.81	1353.71		
64.2500				2588.08	74.73
64.2717	2577.98	3.80	1355.93		
64.3684	2583.58	3.80	1357.29		

Test Time Minutes	DATA FROM BJ SERVICES (SURFACE)			DATA FROM TEFTELLER (BH)	
	Calc BH Press Psig	Rate BPM	Surf Press Psig	Act BH Press Psig	BH Temp Deg F
64.4683	2584.27	3.80	1357.41		
64.5000				2591.17	74.65
64.5667	2581.44	3.81	1358.92		
64.6666	2582.97	3.81	1359.69		
64.7500				2593.47	74.57
64.7667	2583.69	3.82	1361.01		
64.8633	2582.54	3.82	1363.64		
64.9633	2584.19	3.82	1364.93		
65.0000				2595.10	74.50
65.0633	2585.21	3.82	1365.76		
65.1616	2586.90	3.82	1367.34		
65.2500				2596.46	74.42
65.2616	2584.34	3.82	1367.72		
65.3616	2587.49	3.82	1367.07		
65.4583	2587.70	3.82	1367.94		
65.5000				2597.69	74.35
65.5583	2588.01	3.82	1368.19		
65.6550	2588.79	3.83	1369.15		
65.7500				2598.29	74.27
65.7550	2589.58	3.82	1369.13		
65.8533	2591.72	3.81	1367.13		
65.9533	2590.18	3.81	1366.44		
66.0000				2599.26	74.18
66.0500	2590.40	3.81	1367.30		
66.1500	2591.00	3.81	1367.97		
66.2500	2591.84	3.81	1368.35		
66.2500				2600.17	74.10
66.3483	2591.56	3.82	1368.25		
66.4483	2591.85	3.82	1369.45		
66.5000				2601.14	74.00
66.5450	2589.66	3.80	1368.67		
66.6450	2589.61	3.82	1368.33		
66.7434	2588.63	3.82	1368.46		
66.7500				2601.91	73.90
66.8433	2589.29	3.81	1369.82		
66.9399	2590.04	3.82	1371.32		
67.0000				2602.55	73.82
67.0399	2590.57	3.81	1371.29		
67.1400	2591.29	3.82	1371.03		
67.2383	2591.34	3.82	1371.08		
67.2500				2603.26	73.72
67.3383	2591.71	3.82	1371.14		
67.4350	2590.71	3.82	1371.39		
67.5000				2604.18	73.63
67.5350	2592.13	3.82	1372.22		
67.6333	2592.94	3.82	1373.05		
67.7333	2590.74	3.83	1374.30		
67.7500				2604.47	73.53
67.8333	2594.22	3.83	1374.07		
67.9300	2594.50	3.82	1373.92		
68.0000				2604.99	73.44
68.0300	2593.83	3.82	1373.88		
68.1283	2593.63	3.82	1372.98		
68.2283	2593.94	3.82	1373.26		
68.2500				2605.62	73.35
68.3250	2593.91	3.82	1374.38		
68.4250	2594.11	3.82	1374.15		
68.5000				2606.20	73.25
68.5217	2591.72	3.82	1374.86		
68.6216	2591.28	3.83	1374.33		
68.7217	2591.14	3.82	1374.33		
68.7500				2606.87	73.16
68.8200	2591.54	3.83	1377.24		
68.9200	2590.48	3.84	1378.35		
69.0000				2607.09	73.06
69.0167	2595.98	3.83	1378.20		
69.1166	2592.24	3.84	1380.64		
69.2150	2594.94	3.83	1382.35		
69.2500				2607.60	72.99
69.3149	2596.06	3.83	1381.99		

DATA FROM BJ SERVICES (SURFACE)				DATA FROM TEFTELLER (BH)	
Test Time Minutes	Calc BH Press Psig	Rate BPM	Surf Press Psig	Act BH Press Psig	BH Temp Deg F
69.4116	2594.99	3.84	1381.02		
69.5000				2608.32	72.91
69.5116	2594.31	3.84	1381.56		
69.6116	2591.98	3.85	1382.83		
69.7100	2600.64	3.84	1382.05		
69.7500				2608.53	72.82
69.8100	2597.95	3.83	1381.77		
69.9066	2601.49	3.82	1379.22		
70.0000				2609.13	72.74
70.0066	2597.16	3.83	1379.98		
70.1050	2595.74	3.83	1379.30		
70.2050	2595.19	3.83	1379.05		
70.2500				2609.26	72.66
70.3016	2597.11	3.83	1381.67		
70.4017	2598.50	3.84	1383.16		
70.5000				2609.40	72.58
70.5017	2598.70	3.83	1380.59		
70.6000	2598.98	3.84	1382.45		
70.7000	2597.73	3.83	1380.16		
70.7500				2609.57	72.50
70.7966	2596.45	3.84	1380.82		
70.8967	2594.22	3.84	1381.13		
70.9949	2594.41	3.84	1381.60		
71.0000				2609.77	72.42
71.0950	2598.81	3.84	1381.26		
71.1917	2596.96	3.84	1382.85		
71.2500				2610.02	72.33
71.2916	2600.47	3.82	1383.97		
71.3917	2600.77	3.84	1383.52		
71.4883	2600.41	3.83	1382.92		
71.5000				2610.29	72.25
71.5883	2596.20	3.83	1382.79		
71.6867	2598.92	3.83	1382.64		
71.7500				2610.56	72.18
71.7866	2598.91	3.84	1383.25		
71.8866	2597.02	3.84	1383.77		
71.9833	2597.13	3.84	1385.12		
72.0000				2610.81	72.11
72.0833	2598.42	3.84	1385.52		
72.1816	2599.32	3.85	1387.99		
72.2500				2611.16	72.05
72.2816	2594.69	3.86	1390.06		
72.3816	2599.36	3.85	1389.27		
72.4783	2598.72	3.86	1387.81		
72.5000				2611.65	71.99
72.5783	2599.31	3.86	1390.09		
72.6766	2596.33	3.85	1390.43		
72.7500				2611.79	71.93
72.7767	2600.30	3.85	1389.46		
72.8733	2598.05	3.85	1389.29		
72.9733	2598.93	3.85	1388.69		
73.0000				2612.05	71.87
73.0717	2598.45	3.86	1389.36		
73.1716	2599.72	3.85	1389.89		
73.2500				2612.54	71.81
73.2717	2599.31	3.85	1389.75		
73.3684	2597.53	3.84	1388.00		
73.4683	2601.53	3.84	1388.20		
73.5000				2612.64	71.76
73.5667	2601.64	3.84	1388.74		
73.6666	2602.03	3.85	1389.56		
73.7500				2612.76	71.70
73.7633	2603.23	3.85	1389.80		
73.8633	2603.73	3.85	1389.66		
73.9633	2599.80	3.85	1390.52		
74.0000				2612.93	71.64
74.0617	2603.79	3.85	1389.88		
74.1616	2599.35	3.84	1388.16		
74.2500				2613.15	71.58
74.2583	2601.94	3.84	1388.70		

DATA FROM BJ SERVICES (SURFACE)				DATA FROM TEFTELLER (BH)	
Test Time Minutes	Calc BH Press Psig	Rate BPM	Surf Press Psig	Act BH Press Psig	BH Temp Deg F
74.3583	2600.16	3.86	1390.82		
74.4583	2604.96	3.85	1391.97		
74.5000				2613.37	71.52
74.5550	2604.37	3.84	1391.05		
74.6550	2600.52	3.84	1390.65		
74.7500				2613.62	71.46
74.7533	2600.50	3.86	1391.74		
74.8533	2598.46	3.85	1393.60		
74.9500	2604.07	3.85	1394.94		
75.0000				2613.88	71.41
75.0500	2604.11	3.85	1393.93		
75.1483	2603.66	3.85	1393.49		
75.2483	2603.31	3.85	1394.07		
75.2500				2614.15	71.37
75.3483	2600.05	3.87	1395.25		
75.4450	2597.89	3.87	1405.19		
75.5000				2614.57	71.33
75.5450	2574.02	4.10	1479.07		
75.6433	2592.72	4.17	1507.28		
75.7434	2606.88	4.17	1516.56		
75.7500				2619.50	71.29
75.8400	2614.95	4.15	1511.12		
75.9399	2624.46	4.02	1462.54		
76.0000				2621.64	71.25
76.0399	2628.78	3.92	1428.78		
76.1383	2616.90	3.86	1398.31		
76.2383	2614.69	3.79	1374.35		
76.2500				2617.81	71.21
76.3350	2607.63	3.77	1364.65		
76.4350	2604.32	3.76	1361.46		
76.5000				2614.51	71.16
76.5333	2598.62	3.77	1361.16		
76.6333	2598.61	3.77	1362.01		
76.7300	2593.74	3.81	1374.38		
76.7500				2614.04	71.12
76.8300	2590.48	3.84	1381.06		
76.9300	2600.86	3.83	1386.64		
77.0000				2614.82	71.08
77.0283	2603.31	3.83	1387.23		
77.1283	2604.48	3.83	1387.00		
77.2250	2601.26	3.85	1389.31		
77.2500				2615.48	71.04
77.3250	2605.40	3.83	1387.73		
77.4216	2600.04	3.84	1389.26		
77.5000				2615.65	71.00
77.5217	2602.56	3.83	1389.04		
77.6216	2605.52	3.84	1389.61		
77.7217	2606.19	3.84	1389.78		
77.7500				2615.85	70.96
77.8200	2605.57	3.84	1388.91		
77.9200	2604.79	3.84	1386.67		
78.0000				2616.06	70.92
78.0167	2601.24	3.83	1387.72		
78.1166	2601.28	3.84	1388.57		
78.2150	2604.93	3.83	1389.12		
78.2500				2616.27	70.88
78.3149	2605.98	3.84	1390.17		
78.4149	2607.41	3.83	1389.81		
78.5000				2616.59	70.85
78.5116	2597.10	3.89	1418.83		
78.6116	2573.14	4.16	1505.65		
78.7100	2543.71	4.55	1652.70		
78.7500				2621.46	70.82
78.8100	2587.21	4.68	1713.89		
78.9066	2616.98	4.69	1734.83		
79.0000				2632.63	70.78
79.0066	2643.88	4.63	1716.13		
79.1066	2647.54	4.54	1684.56		
79.2050	2639.64	4.52	1671.86		
79.2500				2634.78	70.75

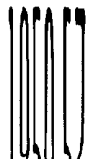
DATA FROM BJ SERVICES (SURFACE)				DATA FROM TEFTELLER (BH)	
Test Time Minutes	Calc BH Press Psig	Rate BPM	Surf Press Psig	Act BH Press Psig	BH Temp Deg F
79.3050	2634.53	4.51	1666.76		
79.4017	2630.19	4.51	1663.40		
79.5000				2635.99	70.72
79.5017	2627.95	4.51	1663.25		
79.6017	2630.91	4.50	1661.57		
79.7017	2630.35	4.50	1662.13		
79.7500				2636.42	70.69
79.8000	2631.20	4.50	1660.68		
79.9000	2628.62	4.49	1659.73		
79.9966	2628.00	4.49	1658.59		
80.0000				2637.24	70.65
80.0967	2635.09	4.48	1658.14		
80.1950	2630.53	4.49	1657.31		
80.2500				2637.98	70.62
80.2950	2630.17	4.49	1658.07		
80.3917	2626.21	4.50	1656.84		
80.4916	2628.61	4.49	1655.08		
80.5000				2638.60	70.58
80.5916	2631.50	4.49	1654.09		
80.6883	2626.88	4.48	1653.33		
80.7500				2639.07	70.55
80.7883	2625.22	4.49	1651.72		
80.8866	2624.91	4.49	1652.30		
80.9866	2628.86	4.49	1651.50		
81.0000				2639.56	70.52
81.0833	2624.50	4.49	1651.50		
81.1833	2624.77	4.49	1652.78		
81.2500				2640.04	70.48
81.2816	2626.02	4.49	1653.25		
81.3816	2625.71	4.49	1652.91		
81.4816	2625.12	4.48	1652.65		
81.5000				2640.45	70.44
81.5783	2625.27	4.49	1652.47		
81.6783	2628.97	4.48	1651.84		
81.7500				2641.20	70.41
81.7767	2625.72	4.50	1655.30		
81.8767	2627.98	4.49	1654.80		
81.9733	2627.17	4.49	1656.72		
82.0000				2641.41	70.37
82.0733	2628.84	4.49	1654.85		
82.1733	2624.62	4.49	1657.15		
82.2500				2641.71	70.33
82.2717	2623.58	4.50	1654.76		
82.3716	2627.06	4.50	1654.27		
82.4683	2627.95	4.49	1656.20		
82.5000				2642.28	70.29
82.5684	2629.22	4.48	1655.86		
82.6683	2628.03	4.49	1656.04		
82.7500				2642.47	70.26
82.7667	2628.24	4.49	1655.11		
82.8666	2622.93	4.49	1654.75		
82.9633	2627.13	4.49	1656.56		
83.0000				2642.98	70.22
83.0633	2629.63	4.48	1655.78		
83.1616	2628.56	4.49	1656.33		
83.2500				2643.13	70.19
83.2616	2628.66	4.48	1653.99		
83.3616	2630.03	4.48	1653.25		
83.4583	2626.31	4.49	1654.35		
83.5000				2643.30	70.14
83.5583	2631.46	4.48	1655.71		
83.6550	2632.66	4.48	1655.40		
83.7500				2643.47	70.11
83.7550	2632.18	4.48	1654.59		
83.8533	2627.77	4.49	1655.12		
83.9533	2635.32	4.48	1655.13		
84.0000				2643.64	70.07
84.0500	2627.85	4.48	1655.02		
84.1500	2631.88	4.48	1654.41		
84.2500	2631.47	4.48	1655.24		

DATA FROM BJ SERVICES (SURFACE)				DATA FROM TEFTELLER (BH)	
Test Time Minutes	Calc BH Press Psig	Rate BPM	Surf Press Psig	Act BH Press Psig	BH Temp Deg F
84.2500				2643.76	70.04
84.3483	2627.66	4.49	1655.45		
84.4483	2631.69	4.48	1655.30		
84.5000				2643.88	70.02
84.5450	2633.07	4.49	1655.61		
84.6450	2632.06	4.48	1654.61		
84.7434	2631.15	4.48	1654.78		
84.7500				2644.03	69.98
84.8433	2628.42	4.49	1656.75		
84.9399	2629.35	4.49	1657.05		
85.0000				2644.04	69.96
85.0399	2630.53	4.49	1657.75		
85.1400	2631.58	4.49	1659.01		
85.2383	2628.35	4.50	1659.33		
85.2500				2644.30	69.93
85.3383	2630.82	4.49	1657.01		
85.4350	2629.24	4.49	1656.61		
85.5000				2644.53	69.89
85.5350	2628.99	4.49	1655.18		
85.6333	2627.92	4.49	1651.10		
85.7333	2623.72	4.48	1648.67		
85.7500				2644.65	69.87
85.8300	2624.30	4.48	1647.64		
85.9300	2624.07	4.48	1648.26		
86.0000				2644.75	69.84
86.0300	2624.81	4.48	1648.63		
86.1283	2625.23	4.48	1646.65		
86.2283	2623.19	4.47	1644.44		
86.2500				2644.75	69.81
86.3250	2624.91	4.48	1645.55		
86.4250	2620.90	4.48	1644.71		
86.5000				2644.77	69.78
86.5217	2619.36	4.48	1645.47		
86.6216	2626.46	4.48	1645.67		
86.7217	2626.09	4.47	1646.11		
86.7500				2644.78	69.75
86.8200	2623.10	4.48	1648.74		
86.9200	2625.16	4.47	1647.61		
87.0000				2644.81	69.73
87.0167	2624.34	4.47	1647.90		
87.1166	2625.08	4.48	1648.48		
87.2150	2625.57	4.47	1650.17		
87.2500				2645.03	69.70
87.3149	2631.41	4.48	1652.32		
87.4116	2629.33	4.48	1651.71		
87.5000				2645.26	69.68
87.5116	2628.44	4.48	1653.15		
87.6116	2629.15	4.48	1652.35		
87.7100	2629.14	4.48	1652.43		
87.7500				2645.39	69.66
87.8100	2625.91	4.48	1654.50		
87.9066	2627.77	4.49	1656.16		
88.0000				2645.39	69.65
88.0066	2628.88	4.49	1656.05		
88.1050	2632.75	4.49	1656.33		
88.2050	2631.66	4.48	1654.86		
88.2500				2645.40	69.62
88.3066	2632.25	4.48	1656.83		
88.4050	2628.88	4.49	1655.78		
88.5000				2645.42	69.60
88.5050	2629.10	4.48	1657.08		
88.6017	2633.72	4.48	1656.39		
88.7017	2633.61	4.48	1658.18		
88.7500				2645.45	69.58
88.8000	2630.60	4.49	1661.07		
88.9000	2628.49	4.50	1660.05		
88.9966	2629.66	4.50	1663.52		
89.0000				2645.48	69.56
89.0967	2632.23	4.50	1664.27		
89.1967	2635.39	4.49	1662.52		

Test Time Minutes	DATA FROM BJ SERVICES (SURFACE)			DATA FROM TEFTELLER (BH)	
	Calc BH Press Psig	Rate BPM	Surf Press Psig	Act BH Press Psig	BH Temp Deg F
89.2500				2645.79	69.54
89.2950	2633.71	4.49	1661.66		
89.3950	2630.02	4.49	1661.05		
89.4916	2629.43	4.50	1660.56		
89.5000				2645.80	69.52
89.5916	2633.03	4.49	1660.84		
89.6883	2634.36	4.49	1660.90		
89.7500				2645.82	69.50
89.7883	2633.62	4.48	1660.53		
89.8866	2636.97	4.48	1659.85		
89.9866	2636.17	4.49	1659.80		
90.0000				2645.83	69.49
90.0866	2632.47	4.49	1660.43		
90.1833	2632.90	4.49	1661.67		
90.2500				2645.86	69.47
90.2833	2637.90	4.49	1661.44		
90.3833	2633.98	4.49	1659.82		
90.4816	2632.44	4.49	1658.66		
90.5000				2645.88	69.46
90.5816	2635.21	4.48	1658.59		
90.6816	2630.83	4.48	1658.48		
90.7500				2645.91	69.45
90.7783	2630.64	4.49	1657.47		
90.8783	2630.44	4.49	1657.70		
90.9767	2634.11	4.49	1657.54		
91.0000				2645.94	69.43
91.0767	2630.71	4.49	1657.61		
91.1733	2629.88	4.49	1658.29		
91.2500				2645.97	69.42
91.2733	2630.49	4.49	1659.66		
91.3733	2632.85	4.49	1660.13		
91.4717	2636.55	4.49	1658.44		
91.5000				2646.00	69.41
91.5717	2634.07	4.48	1657.01		
91.6683	2633.37	4.48	1656.35		
91.7500				2646.03	69.39
91.7683	2629.57	4.48	1657.48		
91.8666	2633.76	4.49	1654.87		
91.9666	2631.23	4.49	1655.76		
92.0000				2646.06	69.38
92.0633	2627.71	4.49	1656.26		
92.1633	2632.92	4.48	1654.08		
92.2500				2646.09	69.37
92.2633	2626.40	4.49	1654.27		
92.3616	2629.03	4.49	1652.95		
92.4616	2625.18	4.48	1652.92		
92.5000				2646.12	69.35
92.5583	2626.37	4.49	1654.26		
92.6583	2631.43	4.48	1656.05		
92.7500				2646.16	69.34
92.7550	2632.43	4.49	1655.20		
92.8550	2631.31	4.48	1654.51		
92.9533	2631.10	4.48	1653.63		
93.0000				2646.19	69.32
93.0533	2630.56	4.48	1653.73		
93.1533	2631.24	4.49	1656.19		
93.2500	2632.65	4.48	1656.41		
93.2500				2646.24	69.31
93.3500	2633.96	4.47	1656.21		
93.4483	2629.62	4.55	1688.58		
93.5000				2646.28	69.30
93.5483	2580.36	4.82	1789.57		
93.6450	2607.34	4.99	1864.05		
93.7449	2624.33	5.06	1909.51		
93.7500				2652.51	69.29
93.8433	2631.14	5.15	1952.25		
93.9434	2648.17	5.16	1966.42		
94.0000				2657.30	69.28
94.0433	2661.15	5.16	1967.81		
94.1400	2659.23	5.16	1965.34		

DATA FROM BJ SERVICES (SURFACE)				DATA FROM TEFTELLER (BH)	
Test Time Minutes	Calc BH Press Psig	Rate BPM	Surf Press Psig	Act BH Press Psig	BH Temp Deg F
94.2399	2653.10	5.22	1988.81		
94.2500				2659.70	69.27
94.3383	2637.61	5.30	2018.33		
94.4383	2648.31	5.30	2026.01		
94.5000				2662.76	69.26
94.5350	2656.95	5.30	2025.91		
94.6350	2672.80	5.22	1992.14		
94.7333	2662.61	5.18	1980.45		
94.7500				2663.48	69.25
94.8333	2662.70	5.19	1979.47		
94.9333	2662.64	5.18	1978.28		
95.0000				2663.62	69.24
95.0300	2661.24	5.18	1976.00		
95.1300	2659.81	5.18	1975.20		
95.2283	2659.34	5.17	1976.42		
95.2500				2663.85	69.23
95.3283	2661.33	5.18	1977.59		
95.4250	2661.54	5.17	1977.98		
95.5000				2664.19	69.22
95.5250	2666.24	5.17	1978.00		
95.6216	2666.09	5.17	1978.06		
95.7217	2666.18	5.17	1978.31		
95.7500				2664.85	69.21
95.8217	2666.18	5.17	1976.34		
95.9200	2668.11	5.16	1974.80		
96.0000				2665.06	69.19
96.0200	2666.01	5.16	1973.86		
96.1166	2666.25	5.15	1972.37		
96.2166	2664.32	5.16	1970.98		
96.2500				2665.57	69.17
96.3149	2667.61	5.15	1971.10		
96.4149	2664.18	5.16	1971.67		
96.5000				2665.74	69.16
96.5150	2662.92	5.16	1968.58		
96.6116	2664.25	5.15	1965.38		
96.7116	2662.57	5.15	1965.21		
96.7500				2666.18	69.14
96.8100	2662.62	5.14	1966.47		
96.9100	2663.99	5.15	1966.06		
97.0000				2666.27	69.12
97.0066	2663.21	5.15	1966.31		
97.1066	2664.19	5.16	1968.43		
97.2050	2666.00	5.15	1968.83		
97.2500				2666.42	69.11
97.3050	2665.87	5.15	1968.78		
97.4050	2666.24	5.15	1969.53		
97.5000				2666.61	69.10
97.5017	2666.10	5.15	1968.95		
97.6017	2665.83	5.14	1968.69		
97.7000	2666.02	5.15	1968.22		
97.7500				2666.81	69.08
97.8000	2669.74	5.14	1966.54		
97.8967	2668.37	5.14	1966.83		
97.9966	2667.96	5.14	1966.47		
98.0000				2667.01	69.06
98.0950	2671.42	5.14	1964.71		
98.1950	2669.86	5.13	1964.61		
98.2500				2667.20	69.05
98.2950	2666.24	5.13	1964.41		
98.3917	2666.47	5.14	1965.98		
98.4916	2667.86	5.14	1966.53		
98.5000				2667.36	69.04
98.5883	2668.09	5.13	1966.26		
98.6883	2671.33	5.13	1965.63		
98.7500				2667.54	69.02
98.7866	2666.51	5.14	1967.13		
98.8866	2668.79	5.14	1967.34		
98.9833	2669.36	5.14	1968.69		
99.0000				2667.70	69.01
99.0833	2670.62	5.15	1967.82		

DATA FROM BJ SERVICES (SURFACE)				DATA FROM TEFTELLER (BH)	
Test Time	Calc BH Press	Rate	Surf Press	Act BH Press	BH Temp
Minutes	Psig	BPM	Psig	Psig	Deg F
99.1833	2669.76	5.14	1969.47		
99.2500				2667.85	68.99
99.2816	2671.00	5.14	1969.81		
99.3816	2670.15	5.14	1968.62		
99.4783	2669.08	5.14	1967.87		
99.5000				2667.98	68.99
99.5783	2668.66	5.14	1966.11		
99.6766	2662.56	5.15	1965.70		
99.7500				2668.12	68.97
99.7767	2663.06	5.13	1963.90		
99.8733	2669.43	5.13	1963.68		
99.9733	2669.28	5.13	1963.23		
100.0000				2668.14	68.97
100.0733	2668.63	5.13	1961.90		
100.1716	2668.20	5.13	1962.27		
100.2500				2668.27	68.95
100.2717	2669.38	5.13	1964.55		
100.3683	2670.53	5.13	1963.61		
100.4683	2670.03	5.13	1964.11		
100.5000				2668.28	68.95
100.5667	2669.89	5.13	1963.50		
100.6666	2668.41	5.13	1960.94		
100.7500				2668.29	68.93
100.7633	2666.30	5.13	1960.98		
100.8633	2666.25	5.13	1960.40		
100.9633	2666.82	5.12	1960.45		
101.0000				2668.31	68.93
101.0616	2669.83	5.12	1959.20		
101.1616	2669.31	5.12	1958.47		
101.2500				2668.34	68.91
101.2583	2668.90	5.12	1959.21		
101.3583	2664.63	5.13	1957.96		
101.4550	2667.69	5.13	1958.72		
101.5000				2668.36	68.91
101.5550	2667.29	5.12	1956.59		
101.6550	2665.92	5.12	1956.38		
101.7500				2668.38	68.90
101.7533	2671.09	5.12	1955.39		
101.8533	2662.27	5.12	1956.56		
101.9500	2666.95	5.12	1957.18		
102.0000				2668.39	68.89
102.0500	2666.62	5.12	1956.79		
102.1483	2662.54	5.12	1956.52		
102.2483	2671.93	5.12	1957.46		
102.2500				2668.40	68.89
102.3450	2666.56	5.12	1956.87		
102.4449	2667.37	5.12	1957.83		
102.5000				2668.41	68.88
102.5450	2668.51	5.12	1956.55		
102.6433	2667.59	5.12	1956.70		
102.7433	2671.62	5.11	1957.78		
102.7500				2668.42	68.88
102.8400	2666.96	5.12	1956.73		
102.9399	2671.11	5.11	1956.41		
103.0000				2668.43	68.87
103.0399	2671.15	5.11	1957.19		
103.1400	2671.79	5.12	1956.70		
103.2383	2672.29	5.12	1958.40		
103.2500				2668.45	68.87
103.3383	2672.90	5.11	1957.80		
103.4350	2672.01	5.11	1957.26		
103.5000				2668.48	68.87
103.5350	2672.60	5.11	1958.23		
103.6333	2672.65	5.11	1957.66		
103.7333	2672.30	5.11	1958.25		
103.7500				2668.50	68.86
103.8300	2671.99	5.11	1956.89		
103.9300	2670.68	5.11	1955.10		
104.0000				2668.53	68.85
104.0300	2669.03	5.11	1953.02		

DATA FROM BJ SERVICES (SURFACE)				DATA FROM TEFTELLER (BH)	
Test Time Minutes	Calc BH Press Psig	Rate BPM	Surf Press Psig	Act BH Press Psig	BH Temp Deg F
104.1283	2667.59	5.11	1953.57		
					
104.2283	2668.02	5.10	1950.57		
104.2500				2668.56	68.85
104.3250	2663.91	5.11	1946.84		
104.4250	2661.28	5.11	1947.41		
104.5000				2668.59	68.85
104.5217	2661.93	5.10	1948.09		
104.6216	2666.86	5.10	1948.10		
104.7217	2663.46	5.11	1949.38		
104.7500				2668.61	68.84
104.8199	2665.28	5.11	1953.01		
104.9200	2668.24	5.11	1953.85		
105.0000				2668.62	68.85
105.0167	2668.98	5.11	1953.89		
105.1166	2668.28	5.11	1954.19		
105.2150	2668.80	5.11	1953.99		
105.2500				2668.64	68.85
105.3149	2668.46	5.11	1954.12		
105.4116	2668.43	5.11	1953.74		
105.5000				2668.66	68.85
105.5116	2668.33	5.11	1952.46		
105.6116	2669.94	5.11	1951.03		
105.7100	2664.39	5.11	1949.14		
105.7500				2668.68	68.85
105.8100	2666.58	5.10	1945.75		
105.9066	2663.83	5.10	1944.99		
106.0000				2668.70	68.85
106.0066	2662.99	5.10	1944.30		
106.1050	2663.86	5.10	1945.77		
106.2050	2665.28	5.10	1947.06		
106.2500				2668.73	68.85
106.3016	2665.81	5.10	1946.77		
106.4017	2666.40	5.10	1949.75		
106.5000				2668.77	68.85
106.5016	2666.89	5.10	1947.92		
106.6000	2672.18	5.09	1946.67		
106.7000	2666.03	5.10	1947.96		
106.7500				2668.80	68.85
106.7966	2671.24	5.10	1948.58		
106.8967	2671.67	5.10	1949.07		
106.9949	2667.41	5.10	1949.72		
107.0000				2668.84	68.85
107.0950	2667.50	5.10	1949.01		
107.1917	2667.09	5.10	1947.77		
107.2500				2668.88	68.85
107.2916	2671.22	5.09	1947.85		
107.3917	2669.94	5.09	1945.14		
107.4883	2667.86	5.08	1944.27		
107.5000				2668.92	68.85
107.5883	2667.33	5.09	1943.75		
107.6866	2667.29	5.09	1945.10		
107.7500				2668.95	68.85
107.7866	2668.90	5.09	1945.45		
107.8833	2668.19	5.09	1943.61		
107.9833	2666.85	5.09	1943.19		
108.0000				2668.85	68.85
108.0816	2671.06	5.08	1942.57		
108.1816	2664.91	5.09	1940.97		
108.2500				2668.69	68.84
108.2816	2668.10	5.09	1939.00		
108.3783	2663.50	5.08	1940.00		
108.4783	2616.84	5.07	1950.19		
108.5000				2668.55	68.84
108.5767	2570.91	5.63	2188.22		
108.6766	2498.18	6.49	2585.82		
108.7500				2674.00	68.84
108.7733	2642.73	6.51	2646.92		
108.8733	2772.54	6.18	2515.43		
108.9717	2762.93	5.96	2408.79		
109.0000				2686.37	68.84

DATA FROM BJ SERVICES (SURFACE)				DATA FROM TEFTELLER (BH)	
Test Time	Calc BH Press	Rate	Surf Press	Act BH Press	BH Temp
Minutes	Psig	BPM	Psig	Psig	Deg F
109.0717	2727.86	5.92	2371.87		
109.1716	2702.56	5.92	2359.57		
109.2500				2684.51	68.84
109.2683	2698.96	5.91	2355.12		
109.3683	2695.51	5.91	2352.13		
109.4666	2693.78	5.91	2352.66		
109.5000				2685.00	68.84
109.5667	2693.15	5.91	2351.49		
109.6633	2697.57	5.90	2352.39		
109.7500				2685.72	68.84
109.7633	2698.15	5.90	2350.97		
109.8633	2697.67	5.90	2351.32		
109.9616	2701.31	5.89	2349.52		
110.0000				2686.18	68.84
110.0616	2696.27	5.89	2349.19		
110.1583	2694.42	5.90	2347.48		
110.2500				2686.65	68.84
110.2583	2693.61	5.90	2349.30		
110.3550	2700.88	5.89	2349.43		
110.4550	2700.38	5.90	2349.92		
110.5000				2687.27	68.84
110.5533	2700.87	5.89	2350.13		
110.6533	2700.75	5.89	2350.89		
110.7500				2687.42	68.83
110.7533	2701.87	5.88	2350.58		
110.8500	2705.63	5.89	2350.52		
110.9500	2701.61	5.89	2348.67		
111.0000				2687.71	68.84
111.0483	2700.09	5.88	2347.42		
111.1483	2698.78	5.89	2349.24		
111.2449	2699.76	5.89	2348.65		
111.2500				2688.11	68.84
111.3450	2694.62	5.89	2347.43		
111.4434	2699.33	5.89	2341.63		
111.5000				2687.96	68.84
111.5433	2692.45	5.89	2340.13		
111.6433	2696.37	5.87	2341.25		
111.7399	2697.46	5.88	2340.00		
111.7500				2687.95	68.85
111.8400	2692.19	5.90	2342.10		
111.9383	2693.96	5.89	2343.56		
112.0000				2687.99	68.85
112.0383	2698.88	5.88	2341.73		
112.1350	2697.49	5.88	2340.21		
112.2350	2695.39	5.88	2337.60		
112.2500				2688.12	68.85
112.3333	2687.82	5.89	2336.86		
112.4333	2693.42	5.89	2339.18		
112.5000				2688.29	68.85
112.5333	2689.49	5.89	2337.76		
112.6300	2689.02	5.89	2338.57		
112.7300	2695.44	5.88	2340.84		
112.7500				2688.47	68.85
112.8283	2696.61	5.88	2341.05		
112.9283	2696.65	5.88	2339.90		
113.0000				2688.65	68.85
113.0250	2695.80	5.88	2337.53		
113.1250	2692.79	5.89	2335.15		
113.2217	2689.53	5.87	2331.48		
113.2500				2688.77	68.86
113.3217	2687.55	5.89	2333.08		
113.4216	2684.84	5.89	2334.06		
113.5000				2688.89	68.86
113.5200	2689.32	5.88	2333.18		
113.6199	2683.99	5.88	2332.93		
113.7166	2687.98	5.88	2330.93		
113.7500				2689.03	68.86
113.8167	2685.92	5.89	2329.03		
113.9149	2683.75	5.88	2328.35		
114.0000				2689.17	68.87

DATA FROM BJ SERVICES (SURFACE)				DATA FROM TEFTELLER (BH)	
Test Time Minutes	Calc BH Press Psig	Rate BPM	Surf Press Psig	Act BH Press Psig	BH Temp Deg F
114.0150	2679.12	5.89	2327.10		
114.1116	2682.56	5.88	2325.27		
114.2116	2684.64	5.87	2324.27		
114.2500				2689.25	68.88
114.3116	2686.05	5.88	2325.14		
114.4100	2676.33	5.89	2326.44		
114.5000				2689.26	68.89
114.5100	2681.44	5.88	2325.32		
114.6066	2680.69	5.88	2325.86		
114.7066	2686.94	5.87	2324.40		
114.7500				2689.26	68.90
114.8050	2681.91	5.87	2326.47		
114.9050	2681.92	5.87	2324.55		
115.0000				2689.36	68.91
115.0050	2674.45	5.88	2323.51		
115.1017	2674.07	5.89	2322.48		
115.2017	2677.83	5.88	2319.91		
115.2500				2689.53	68.92
115.3000	2675.34	5.88	2319.77		
115.4000	2674.95	5.87	2317.43		
115.4966	2678.34	5.87	2318.26		
115.5000				2689.54	68.93
115.6000	2677.98	5.87	2314.94		
115.6967	2683.54	5.86	2312.70		
115.7500				2689.55	68.94
115.7966	2683.19	5.85	2310.96		
115.8950	2681.91	5.85	2311.20		
115.9949	2681.83	5.85	2312.04		
116.0000				2689.56	68.95
116.0916	2683.67	5.84	2312.92		
116.1917	2687.86	5.84	2313.55		
116.2500				2689.58	68.96
116.2883	2687.84	5.84	2311.91		
116.3883	2686.86	5.84	2310.75		
116.4883	2686.57	5.84	2310.37		
116.5000				2689.60	68.97
116.5866	2680.66	5.85	2309.88		
116.6866	2679.86	5.85	2309.15		
116.7500				2690.31	68.98
116.7833	2684.34	5.85	2307.86		
116.8833	2678.17	5.85	2307.45		
116.9816	2683.18	5.85	2306.96		
117.0000				2691.04	69.00
117.0816	2678.94	5.85	2311.06		
117.1783	2680.17	5.85	2308.83		
117.2500				2691.21	69.01
117.2783	2678.84	5.85	2308.79		
117.3783	2690.55	5.83	2309.80		
117.4767	2684.22	5.84	2307.33		
117.5000				2691.54	69.02
117.5767	2683.47	5.84	2309.08		
117.6733	2685.00	5.84	2310.14		
117.7500				2692.00	69.04
117.7733	2680.64	5.85	2310.08		
117.8716	2685.12	5.84	2310.35		
117.9717	2685.13	5.84	2307.71		
118.0000				2692.46	69.04
118.0717	2683.13	5.85	2309.21		
118.1683	2684.45	5.84	2309.03		
118.2500				2693.01	69.06
118.2683	2680.22	5.85	2309.34		
118.3666	2680.04	5.85	2310.38		
118.4666	2685.97	5.85	2309.20		
118.5000				2693.15	69.07
118.5633	2679.46	5.85	2307.71		
118.6633	2687.22	5.83	2304.62		
118.7500				2693.33	69.08
118.7616	2680.27	5.84	2305.14		
118.8616	2678.14	5.85	2307.00		
118.9616	2677.69	5.85	2307.60		

DATA FROM BJ SERVICES (SURFACE)					DATA FROM TEFTELLER (BH)	
Test Time Minutes	Calc BH Press Psig	Rate BPM	Surf Press Psig		Act BH Press Psig	BH Temp Deg F
119.0000					2693.52	69.09
119.0583	2678.50	5.85	2308.72			
119.1583	2674.57	5.86	2309.74			
119.2500					2693.71	69.10
119.2583	2681.01	5.85	2310.17			
119.3550	2680.89	5.84	2311.55			
119.4550	2687.79	5.84	2310.62			
119.5000					2693.88	69.12
119.5533	2685.54	5.85	2310.46			
119.6533	2681.25	5.84	2310.18			
119.7500	2686.60	5.84	2311.63			
119.7500					2694.05	69.12
119.8500	2685.81	5.84	2309.10			
119.9483	2684.28	5.84	2308.73			
120.0000					2694.21	69.15
120.0483	2688.99	5.83	2307.80			
120.1483	2685.04	5.84	2310.17			
120.2449	2680.74	5.84	2310.97			
120.2500					2694.36	69.14
120.3450	2687.09	5.84	2311.21			
120.4434	2683.10	5.85	2313.87			
120.5000					2694.51	69.14
120.5433	2688.45	5.84	2312.39			
120.6400	2687.74	5.84	2311.75			
120.7399	2691.95	5.84	2312.84			
120.7500					2694.63	69.14
120.8383	2692.90	5.83	2314.24			
120.9383	2688.46	5.84	2312.71			
121.0000					2694.63	69.14
121.0383	2688.28	5.84	2312.32			
121.1350	2687.70	5.84	2311.64			
121.2350	2691.52	5.83	2311.04			
121.2500					2694.80	69.14
121.3333	2691.41	5.83	2310.80			
121.4333	2685.07	5.84	2309.53			
121.5000					2694.81	69.14
121.5300	2679.17	5.85	2308.49			
121.6300	2684.88	5.84	2309.52			
121.7283	2680.72	5.84	2310.36			
121.7500					2694.82	69.14
121.8283	2686.85	5.84	2310.73			
121.9283	2686.74	5.84	2310.61			
122.0000					2694.84	69.13
122.0250	2686.84	5.84	2312.79			
122.1250	2693.23	5.83	2312.78			
122.2217	2688.92	5.84	2314.00			
122.2500					2694.86	69.13
122.3217	2689.49	5.84	2314.09			
122.4200	2689.84	5.84	2315.44			
122.5000					2694.89	69.13
122.5200	2691.78	5.84	2316.11			
122.6199	2696.27	5.84	2314.18			
122.7166	2688.87	5.83	2307.21			
122.7500					2694.92	69.12
122.8167	2686.85	5.84	2306.16			
122.9149	2681.22	5.84	2306.59			
123.0000					2694.96	69.12
123.0150	2681.63	5.84	2305.27			
123.1116	2679.96	5.84	2305.21			
123.2116	2686.51	5.84	2308.41			
123.2500					2695.25	69.10
123.3100	2685.83	5.83	2310.69			
123.4100	3370.48	3.01	1449.19			
123.5000					2695.61	69.10
123.5100	3069.66	0.42	936.05			
123.6066	2800.74	0.05	772.59			
123.7066	2683.03	0.00	710.69			
123.7500					2617.65	69.09
123.8050	2647.60	0.00	681.14			
123.9050	2627.61	0.00	673.74			

Test Time Minutes	DATA FROM BJ SERVICES (SURFACE)			DATA FROM TEFTELLER (BH)	
	Calc BH Press Psig	Rate BPM	Surf Press Psig	Act BH Press Psig	BH Temp Deg F
124.0000				2589.61	69.08
124.0016	2616.68	0.00	659.21		
124.1017	2610.88	0.00	659.19		
124.2000	2604.48	0.00	653.44		
124.2500				2574.60	69.07
124.3000	2600.40	0.00	648.94		
124.4050	2596.92	0.00	645.17		
124.5000				2563.71	69.06
124.5050	2593.85	0.00	643.00		
124.6017	2590.64	0.00	637.80		
124.7017	2587.16	0.00	636.89		
124.7500				2554.27	69.06
124.8000	2586.01	0.00	635.10		
124.9000	2583.31	0.00	632.72		
124.9966	2581.66	0.00	630.35		
125.0000				2546.58	69.04
125.0967	2578.51	0.00	628.18		
125.1967	2576.17	0.00	625.45		
125.2500				2539.54	69.04
125.2950	2573.28	0.00	622.29		
125.3950	2570.99	0.00	620.03		
125.4916	2568.44	0.00	617.66		
125.5000				2533.29	69.03
125.5916	2566.53	0.00	616.37		
125.6883	2564.87	0.00	615.01		
125.7500				2527.72	69.02
125.7883	2563.64	0.00	612.34		
125.8866	2561.01	0.00	610.50		
125.9866	2558.79	0.00	607.63		
126.0000				2522.39	69.04
126.0866	2555.58	0.00	605.20		
126.1833	2553.76	0.00	604.51		
126.2500				2517.70	69.12
126.2833	2553.18	0.00	603.10		
126.3816	2552.15	0.00	602.28		
126.4816	2551.21	0.00	601.65		
126.5000				2512.88	69.20
126.5816	2549.22	0.00	598.12		
126.6783	2544.76	0.00	594.90		
126.7500				2508.59	69.28
126.7783	2544.09	0.00	594.24		
126.8766	2542.65	0.00	592.12		
126.9767	2541.29	0.00	590.51		
127.0000				2504.30	69.36
127.0733	2539.28	0.00	589.72		
127.1733	2538.67	0.00	589.68		
127.2500				2500.41	69.44
127.2733	2538.73	0.00	588.33		
127.3716	2537.83	0.00	588.29		
127.4717	2538.14	0.00	587.49		
127.5000				2496.66	69.52
127.5684	2536.02	0.00	584.53		
127.6683	2533.01	0.00	582.25		
127.7500				2492.90	69.60
127.7667	2531.35	0.00	581.48		
127.8666	2530.77	0.00	580.88		
127.9633	2529.74	0.00	578.99		
128.0000				2489.41	69.68
128.0633	2527.76	0.00	577.73		
128.1633	2526.41	0.00	575.83		
128.2500				2486.06	69.75
128.2633	2525.08	0.00	574.67		
128.3616	2524.36	0.00	575.28		
128.4616	2525.30	0.00	574.47		
128.5000				2482.70	69.83
128.5616	2522.55	0.00	573.33		
128.6583	2521.64	0.00	571.13		
128.7500				2479.61	69.91
128.7583	2520.10	0.00	570.93		
128.8550	2519.87	0.00	570.71		

DATA FROM BJ SERVICES (SURFACE)				DATA FROM TEFTELLER (BH)	
Test Time	Calc BH Press	Rate	Surf Press	Act BH Press	BH Temp
Minutes	Psig	BPM	Psig	Psig	Deg F
128.9550	2519.66	0.00	569.42		
129.0000				2476.37	70.02
129.0533	2518.67	0.00	568.64		
129.1533	2517.72	0.00	567.61		
129.2500	2516.56	0.00	566.38		
129.2500				2473.38	70.17
129.3500	2515.32	0.00	565.25		
129.4500	2514.23	0.00	564.07		
129.5000				2470.39	70.31
129.5483	2512.96	0.00	563.35		
129.6483	2512.81	0.00	562.50		
129.7449	2510.93	0.00	560.29		
129.7500				2467.54	70.45
129.8450	2508.64	0.00	558.32		
129.9434	2507.61	0.00	557.33		
130.0000				2464.82	70.59
130.0433	2505.60	0.00	556.31		
130.1400	2505.22	0.00	555.25		
130.2399	2505.48	0.00	554.81		
130.2500				2461.96	70.73
130.3400	2503.59	0.00	553.14		
130.4383	2502.83	0.00	552.32		
130.5000				2459.38	70.87
130.5383	2501.16	0.00	550.83		
130.6350	2499.79	0.00	549.09		
130.7350	2498.58	0.00	548.74		
130.7500				2456.79	71.01
130.8333	2497.45	0.00	548.04		
130.9333	2496.28	0.00	547.10		
131.0000				2454.33	71.15
131.0300	2495.80	0.00	546.47		
131.1300	2495.00	0.00	545.25		
131.2300	2493.80	0.00	543.38		
131.2500				2451.74	71.30
131.3283	2491.17	0.00	542.47		
131.4283	2490.33	0.00	540.66		
131.5000				2449.29	71.44
131.5250	2489.83	0.00	540.41		
131.6250	2489.26	0.00	540.02		
131.7217	2488.35	0.00	538.73		
131.7500				2446.97	71.58
131.8217	2488.19	0.00	538.61		
131.9216	2487.36	0.00	537.18		
132.0000				2444.51	71.74
132.0200	2486.37	0.00	536.76		
132.1199	2485.91	0.00	536.12		
132.2166	2485.11	0.00	535.37		
132.2500				2442.16	71.93
132.3167	2484.57	0.00	534.76		
132.4149	2483.63	0.00	534.20		
132.5000				2439.96	72.11
132.5150	2482.95	0.00	533.00		
132.6116	2482.08	0.00	532.49		
132.7116	2481.77	0.00	531.75		
132.7500				2437.75	72.29
132.8116	2480.90	0.00	530.96		
132.9100	2479.61	0.00	529.32		
133.0000				2435.41	72.48
133.0100	2478.29	0.00	528.33		
133.1066	2477.69	0.00	527.03		
133.2066	2476.09	0.00	526.97		
133.2500				2433.34	72.66
133.3066	2476.01	0.00	526.09		
133.4050	2475.39	0.00	524.74		
133.5000				2431.13	72.85
133.5050	2474.17	0.00	523.57		
133.6017	2472.96	0.00	522.79		
133.7017	2471.64	0.00	521.52		
133.7500				2429.19	73.03
133.8000	2470.78	0.00	521.28		

DATA FROM BJ SERVICES (SURFACE)				DATA FROM TEFTELLER (BH)	
Test Time	Calc BH Press	Rate	Surf Press	Act BH Press	BH Temp
Minutes	Psig	BPM	Psig	Psig	Deg F
133.9000	2469.98	0.00	520.04		
134.0000	2468.88	0.00	518.98		
134.0000				2426.98	73.22
134.0967	2468.67	0.00	518.82		
134.1967	2467.41	0.00	517.23		
134.2500				2424.91	73.40
134.2950	2466.43	0.00	516.79		
134.3950	2466.17	0.00	516.24		
134.4916	2464.82	0.00	515.69		
134.5000				2422.97	73.58
134.5916	2464.75	0.00	515.52		
134.6883	2464.23	0.00	514.35		
134.7500				2421.03	73.77
134.7883	2463.47	0.00	514.25		
134.8883	2463.30	0.00	513.42		
134.9866	2462.36	0.00	512.29		
135.0000				2418.95	73.97
135.0866	2461.37	0.00	512.44		
135.1833	2460.96	0.00	510.97		
135.2500				2417.13	74.18
135.2833	2460.20	0.00	510.68		
135.3816	2459.94	0.00	509.81		
135.4816	2458.79	0.00	509.54		
135.5000				2415.18	74.39
135.5783	2458.59	0.00	508.34		
135.6783	2457.48	0.00	507.98		
135.7500				2413.24	74.59
135.7783	2456.87	0.00	505.52		
135.8766	2455.44	0.00	504.98		
135.9767	2453.61	0.00	503.96		
136.0000				2411.42	74.80
136.0733	2453.36	0.00	503.32		
136.1733	2452.75	0.00	503.36		
136.2500				2409.60	75.01
136.2717	2452.91	0.00	502.04		
136.3716	2450.71	0.00	500.29		
136.4717	2449.91	0.00	501.76		
136.5000				2407.79	75.21
136.5684	2450.29	0.00	500.17		
136.6683	2448.89	0.00	499.53		
136.7500				2405.84	75.42
136.7667	2448.74	0.00	498.70		
136.8666	2448.08	0.00	498.56		
136.9633	2447.62	0.00	498.04		
137.0000				2404.16	75.63
137.0633	2447.04	0.00	497.73		
137.1616	2446.37	0.00	496.94		
137.2500				2402.48	75.83
137.2616	2445.56	0.00	495.34		
137.3616	2444.01	0.00	494.73		
137.4583	2444.14	0.00	494.06		
137.5000				2400.79	76.04
137.5583	2443.78	0.00	494.69		
137.6550	2442.78	0.00	491.72		
137.7500				2398.98	76.25
137.7550	2441.31	0.00	491.99		
137.8533	2439.46	0.00	489.56		
137.9533	2438.65	0.00	488.89		
138.0000				2397.30	76.45
138.0500	2437.90	0.00	489.90		
138.1500	2439.82	0.00	488.42		
138.2500	2437.60	0.00	487.04		
138.2500				2395.49	76.63
138.3483	2435.84	0.00	485.74		
138.4483	2435.67	0.00	485.81		
138.5000				2393.82	76.82
138.5450	2434.52	0.00	484.96		
138.6450	2433.59	0.00	483.28		
138.7433	2433.13	0.00	484.11		
138.7500				2392.28	77.01

DATA FROM BJ SERVICES (SURFACE)				DATA FROM TEFTELLER (BH)	
Test Time Minutes	Calc BH Press Psig	Rate BPM	Surf Press Psig	Act BH Press Psig	BH Temp Deg F
138.8433	2433.45	0.00	484.19		
138.9399	2432.19	0.00	482.44		
139.0000				2390.60	77.20
139.0399	2431.77	0.00	483.00		
139.1400	2431.32	0.00	480.57		
139.2383	2429.92	0.00	479.98		
139.2500				2389.06	77.40
139.3383	2429.85	0.00	480.04		
139.4350	2429.58	0.00	479.77		
139.5000				2373.46	77.59
139.5350	2429.34	0.00	479.83		
139.6333	2429.08	0.00	479.38		
139.7333	2428.64	0.00	480.46		
139.7500				2358.67	77.78
139.8300	2429.29	0.00	479.71		
139.9300	2428.69	0.00	477.94		
140.0000				2331.15	77.97
140.0300	2427.25	0.00	477.60		
140.1283	2426.63	0.00	476.70		
140.2283	2427.06	0.00	476.24		
140.2500				2298.19	78.16
140.3250	2425.34	0.00	476.27		
140.4250	2425.90	0.00	476.32		
140.5000				2257.70	78.35
140.5217	2426.46	0.00	475.89		
140.6216	2424.37	0.00	473.39		
140.7200	2422.85	0.00	472.75		
140.7500				2216.81	78.54
140.8199	2422.57	0.00	473.71		
140.9200	2423.51	0.00	474.73		
141.0000				2176.48	78.66
141.0200	2424.37	0.00	475.60		
141.1166	2424.33	0.00	474.90		
141.2166	2423.26	0.00	473.15		
141.2500				2125.36	78.63
141.3167	2422.96	0.00	474.42		
141.4149	2423.21	0.00	473.19		
141.5000				2068.68	78.61
141.5150	2422.56	0.00	472.42		
141.6116	2420.91	0.00	471.22		
141.7116	2421.21	0.00	469.40		
141.7500				2012.54	78.57
141.8100	2420.90	0.00	471.26		
141.9100	2420.41	0.00	470.01		
142.0000				1954.82	78.54
142.0100	2419.66	0.00	469.75		
142.1066	2419.11	0.00	469.97		
142.2066	2418.42	0.00	470.27		
142.2500				1895.64	78.52
142.3050	2419.05	0.00	467.77		
142.4050	2417.09	0.00	467.90		
142.5000				1836.48	78.48
142.5050	2416.45	0.00	466.75		
142.6050	2415.78	0.00	466.78		
142.7017	2416.37	0.00	464.74		
142.7500				1776.53	78.46
143.0000				1714.86	78.43
143.2500				1654.53	78.39
143.5000				1593.14	78.37
143.7500				1530.05	78.34
144.0000				1466.61	78.12
144.2500				1402.68	77.72
144.5000				1336.37	77.31
144.7500				1268.61	76.92
145.0000				1200.97	76.51
145.2500				1131.88	76.11
145.5000				1059.48	75.72
145.7500				989.33	75.31
146.0000				917.19	74.91
146.2500				868.45	74.52