

Chavez, Carl J, EMNRD

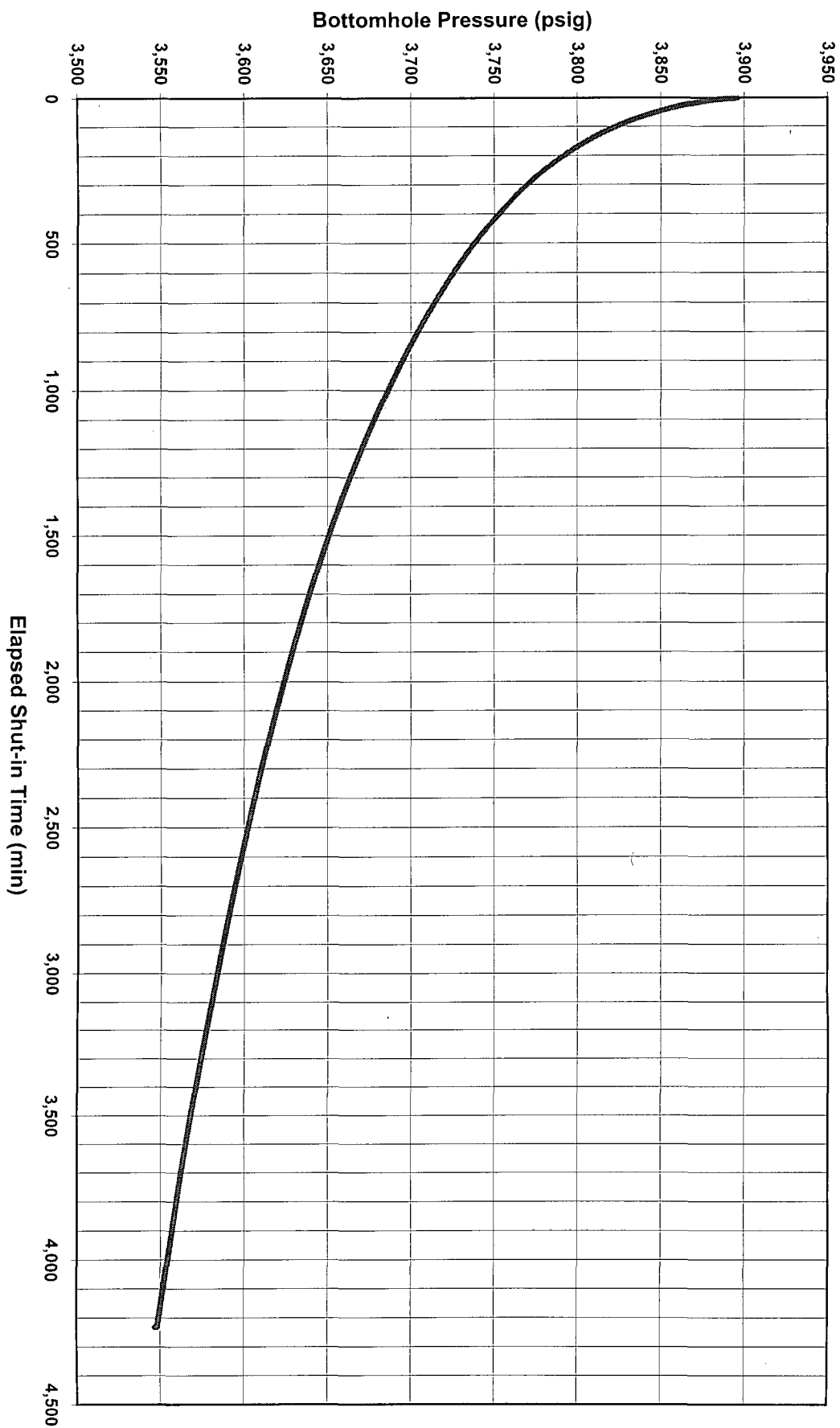
From: Terry M. Duffey [EverQuest@nts-online.net]
Sent: Friday, September 07, 2007 1:58 PM
To: Chavez, Carl J, EMNRD
Subject: Sunco SWD
Attachments: Fall-Off Data.xls

At your request...
Data file from Fall-off test in Excel format

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Key Energy - Sunco SWD
Fall-Off Test July 16-19, 2007



Minutes			Pressure	Temp	Remarks
Elapsed Time from Clock Start	Elapsed Time from Shut-in	Accum. Time from Shut-in			
2.25			0.01	123.94	RU lubricator, place pressure device in lubricator
2.50			0.01	123.89	
2.75			0.01	123.84	
3.00			0.01	123.80	
3.25			0.01	123.75	
3.50			0.01	123.71	
3.75			0.01	123.66	
4.00			0.01	123.62	
4.25			0.01	123.57	
4.50			0.01	123.53	
4.75			0.01	123.48	
5.00			0.01	123.44	
6.00			0.01	123.03	
7.00			0.01	122.62	
8.00			0.01	122.21	
9.00			0.01	121.80	
10.00			0.01	121.42	
11.00			0.01	121.06	
12.00			0.01	120.71	
13.00			0.01	120.35	
14.00			9.93	119.55	Open master valve and equalize pressure into lubricator with tubing pressure
14.25			16.21	118.96	
14.50			25.78	118.03	
14.75			42.33	117.11	
15.00			81.07	116.18	
15.25			318.49	115.25	
15.50			2136.17	114.33	Recording wellhead injection pressures
15.75			2116.49	113.40	
16.00			2144.60	112.47	
16.25			2127.76	111.55	
16.50			2140.13	110.63	
16.75			2135.45	109.71	
17.00			2121.91	108.78	
17.25			2157.28	107.73	Lowering pressure device on wireline down tubing
17.50			2150.19	106.61	
17.75			2182.53	105.49	
18.00			2195.95	104.37	
18.25			2224.57	103.26	
18.50			2236.00	102.14	
18.75			2272.95	101.03	
19.00			2287.98	99.91	
19.25			2314.05	98.80	
19.50			2351.03	97.69	
19.75			2370.66	96.58	
20.00			2402.36	95.47	
20.25			2420.43	94.53	
20.50			2466.22	93.84	
20.75			2473.86	93.14	
21.00			2527.56	92.45	
21.25			2546.10	91.76	
21.50			2588.04	91.07	
21.75			2609.48	90.37	
22.00			2645.84	89.68	
22.25			2688.95	89.00	
22.50			2703.90	88.31	
22.75			2747.89	87.62	
23.00			2768.19	86.93	
23.25			2812.07	86.47	
23.50			2816.67	86.14	
23.75			2863.18	85.82	

Minutes			Pressure	Temp	Remarks
Elapsed Time from Clock Start	Elapsed Time from Shut-in	Accum. Time from Shut-in			
24.00			2894.90	85.50	
24.25			2913.56	85.18	
24.50			2956.05	84.86	
24.75			2993.52	84.54	
25.00			3044.77	84.22	
25.25			3060.13	83.90	
25.50			3104.78	83.58	
25.75			3126.75	83.26	
26.00			3160.06	82.94	
26.25			3185.81	82.75	
26.50			3226.34	82.64	
26.75			3268.90	82.52	
27.00			3291.06	82.41	
27.25			3332.30	82.30	
27.50			3356.05	82.18	
27.75			3409.20	82.07	
28.00			3424.92	81.95	
28.25			3456.54	81.84	
28.50			3486.43	81.73	
28.75			3515.06	81.61	
29.00			3539.65	81.50	
29.25			3570.99	81.46	
29.50			3615.44	81.46	
29.75			3630.21	81.46	
30.00			3664.47	81.46	
30.25			3690.99	81.46	
30.50			3722.39	81.46	
30.75			3744.46	81.46	
31.00			3768.97	81.46	
31.25			3812.39	81.46	
31.50			3828.01	81.46	
31.75			3852.94	81.46	
32.00			3871.13	81.46	
32.25			3889.54	81.50	
32.50			3900.90	81.55	
32.75			3900.98	81.59	
33.00			3900.79	81.64	
33.25			3901.31	81.68	
33.50			3901.34	81.73	
33.75			3901.34	81.77	
34.00			3901.32	81.82	
34.25			3901.30	81.86	
34.50			3901.53	81.91	
34.75			3901.20	81.95	
35.00			3900.90	81.99	
35.25			3901.98	82.03	
35.50			3901.77	82.06	
35.75			3901.19	82.09	
36.00			3901.62	82.12	
36.25			3901.68	82.15	
36.50			3901.67	82.18	
36.75			3901.51	82.20	
37.00			3901.52	82.23	
37.25			3901.61	82.26	
37.50			3901.89	82.29	
37.75			3901.32	82.32	
38.00			3901.58	82.35	
38.25			3901.68	82.37	
38.50			3901.88	82.38	
38.75			3901.77	82.39	

Minutes			Pressure	Temp	Remarks
Elapsed Time from Clock Start	Elapsed Time from Shut-in	Accum. Time from Shut-in			
39.00			3901.30	82.41	
39.25			3901.88	82.42	
39.50			3902.05	82.43	
39.75			3901.57	82.45	
40.00			3901.58	82.47	
40.25			3901.67	82.48	
40.50			3901.96	82.50	
40.75			3901.81	82.51	
41.00			3901.23	82.52	
42.00			3901.31	82.57	
43.00			3901.30	82.59	
44.00			3901.57	82.61	
45.00			3901.69	82.63	
46.00			3901.87	82.64	
47.00			3902.02	82.66	
48.00			3902.15	82.67	
49.00			3902.30	82.68	
50.00			3902.11	82.69	
51.00			3902.12	82.70	
52.00			3902.15	82.71	
53.00			3902.23	82.72	
54.00			3902.11	82.73	
55.00			3902.06	82.74	
56.00			3902.00	82.75	
57.00			3902.37	82.75	
58.00			3902.57	82.76	
59.00			3902.16	82.77	
60.00			3902.07	82.78	
61.00			3902.14	82.79	
62.00			3902.45	82.80	
63.00			3902.54	82.81	
64.00			3902.63	82.81	
65.00			3902.67	82.82	
66.00			3902.67	82.83	
67.00			3902.69	82.84	
68.00			3902.57	82.85	
69.00			3902.53	82.86	
70.00			3902.56	82.87	
71.00			3902.63	82.88	
72.00			3902.76	82.88	
73.00			3902.54	82.89	
74.00			3902.68	82.90	
75.00			3902.99	82.91	
76.00			3902.74	82.92	
77.00			3902.98	82.92	
78.00			3903.09	82.93	
79.00			3902.69	82.94	
80.00			3902.57	82.95	
81.00			3903.08	82.96	
82.00			3903.12	82.97	
83.00			3903.21	82.98	
84.00			3902.96	82.99	
85.00			3902.90	83.00	
86.00			3902.72	83.00	
87.00			3902.96	83.02	
88.00			3903.12	83.03	
89.00			3903.22	83.04	
90.00			3903.44	83.05	
91.00			3903.18	83.06	
92.00			3903.12	83.07	

Minutes			Pressure	Temp	Remarks
Elapsed Time from Clock Start	Elapsed Time from Shut-in	Accum. Time from Shut-in			
93.00	1.00	1.00	3896.23	83.07	Shut down water injection into well, began fall-off test
93.25	0.25	1.25	3895.70	83.07	
93.50	0.25	1.50	3894.76	83.08	
93.75	0.25	1.75	3893.90	83.08	
94.00	0.25	2.00	3893.19	83.08	
94.25	0.25	2.25	3892.45	83.09	
94.50	0.25	2.50	3891.74	83.09	
94.75	0.25	2.75	3891.16	83.09	
95.00	0.25	3.00	3890.59	83.09	
95.25	0.25	3.25	3890.02	83.09	
95.50	0.25	3.50	3889.52	83.09	
95.75	0.25	3.75	3889.02	83.09	
96.00	0.25	4.00	3888.42	83.10	
96.25	0.25	4.25	3887.93	83.10	
96.50	0.25	4.50	3887.50	83.10	
96.75	0.25	4.75	3886.79	83.10	
97.00	0.25	5.00	3886.57	83.10	
97.25	0.25	5.25	3886.21	83.10	
97.50	0.25	5.50	3885.78	83.10	
97.75	0.25	5.75	3885.33	83.11	
98.00	0.25	6.00	3884.90	83.11	
98.25	0.25	6.25	3884.47	83.11	
98.50	0.25	6.50	3884.04	83.11	
98.75	0.25	6.75	3883.48	83.11	
99.00	0.25	7.00	3883.33	83.11	
99.25	0.25	7.25	3883.04	83.11	
99.50	0.25	7.50	3882.61	83.11	
99.75	0.25	7.75	3882.01	83.11	
100.00	0.25	8.00	3881.85	83.11	
100.25	0.25	8.25	3881.54	83.11	
100.50	0.25	8.50	3881.01	83.11	
100.75	0.25	8.75	3880.82	83.11	
101.00	0.25	9.00	3880.29	83.11	
101.25	0.25	9.25	3880.15	83.11	
101.50	0.25	9.50	3879.90	83.11	
101.75	0.25	9.75	3879.43	83.11	
102.00	0.25	10.00	3879.27	83.11	
102.25	0.25	10.25	3878.96	83.11	
102.50	0.25	10.50	3878.43	83.11	
102.75	0.25	10.75	3878.29	83.11	
103.00	0.25	11.00	3878.03	83.11	
103.25	0.25	11.25	3877.59	83.10	
103.50	0.25	11.50	3877.40	83.10	
103.75	0.25	11.75	3876.91	83.10	
104.00	0.25	12.00	3876.78	83.10	
104.25	0.25	12.25	3876.56	83.09	
104.50	0.25	12.50	3876.07	83.09	
104.75	0.25	12.75	3875.94	83.09	
105.00	0.25	13.00	3875.76	83.09	
105.25	0.25	13.25	3875.52	83.09	
105.50	0.25	13.50	3875.28	83.09	
105.75	0.25	13.75	3874.92	83.09	
106.00	0.25	14.00	3874.51	83.08	
106.25	0.25	14.25	3874.39	83.08	
106.50	0.25	14.50	3874.22	83.07	
106.75	0.25	14.75	3873.98	83.07	
107.00	0.25	15.00	3873.72	83.07	
107.25	0.25	15.25	3873.44	83.07	
107.50	0.25	15.50	3873.19	83.06	
107.75	0.25	15.75	3872.90	83.06	

Minutes			Pressure	Temp	Remarks
Elapsed Time from Clock Start	Elapsed Time from Shut-in	Accum. Time from Shut-in			
108.00	0.25	16.00	3872.63	83.05	
108.25	0.25	16.25	3872.38	83.05	
108.50	0.25	16.50	3872.15	83.05	
108.75	0.25	16.75	3871.92	83.04	
109.00	0.25	17.00	3871.70	83.04	
109.25	0.25	17.25	3871.50	83.03	
109.50	0.25	17.50	3871.28	83.03	
109.75	0.25	17.75	3871.06	83.03	
110.00	0.25	18.00	3870.80	83.03	
110.25	0.25	18.25	3870.53	83.02	
110.50	0.25	18.50	3870.27	83.02	
110.75	0.25	18.75	3870.06	83.01	
111.00	0.25	19.00	3869.83	83.01	
111.25	0.25	19.25	3869.63	83.00	
111.50	0.25	19.50	3869.39	83.00	
111.75	0.25	19.75	3869.15	82.99	
112.00	0.25	20.00	3868.89	82.99	
112.25	0.25	20.25	3868.69	82.98	
112.50	0.25	20.50	3868.50	82.98	
112.75	0.25	20.75	3868.28	82.98	
113.00	0.25	21.00	3868.07	82.98	
113.25	0.25	21.25	3867.87	82.97	
113.50	0.25	21.50	3867.62	82.97	
113.75	0.25	21.75	3867.41	82.96	
114.00	0.25	22.00	3867.19	82.96	
114.25	0.25	22.25	3866.98	82.96	
114.50	0.25	22.50	3866.76	82.95	
114.75	0.25	22.75	3866.53	82.94	
115.00	0.25	23.00	3866.31	82.94	
115.25	0.25	23.25	3866.09	82.94	
115.50	0.25	23.50	3865.90	82.93	
115.75	0.25	23.75	3865.72	82.93	
116.00	0.25	24.00	3865.52	82.92	
116.25	0.25	24.25	3865.27	82.92	
116.50	0.25	24.50	3865.01	82.92	
116.75	0.25	24.75	3864.80	82.91	
117.00	0.25	25.00	3864.59	82.90	
117.25	0.25	25.25	3864.37	82.91	
117.50	0.25	25.50	3864.22	82.90	
117.75	0.25	25.75	3864.04	82.90	
118.00	0.25	26.00	3863.83	82.90	
118.25	0.25	26.25	3863.61	82.89	
118.50	0.25	26.50	3863.41	82.88	
118.75	0.25	26.75	3863.20	82.88	
119.00	0.25	27.00	3862.99	82.88	
119.25	0.25	27.25	3862.84	82.87	
119.50	0.25	27.50	3862.67	82.87	
119.75	0.25	27.75	3862.49	82.86	
120.00	0.25	28.00	3862.31	82.86	
120.25	0.25	28.25	3862.10	82.86	
120.50	0.25	28.50	3861.91	82.86	
120.75	0.25	28.75	3861.72	82.85	
121.00	0.25	29.00	3861.50	82.85	
121.25	0.25	29.25	3861.28	82.84	
121.50	0.25	29.50	3861.06	82.84	
121.75	0.25	29.75	3860.86	82.83	
122.00	0.25	30.00	3860.66	82.83	
122.25	0.25	30.25	3860.49	82.83	
122.50	0.25	30.50	3860.31	82.83	
122.75	0.25	30.75	3860.14	82.82	

Minutes			Pressure	Temp	Remarks
Elapsed Time from Clock Start	Elapsed Time from Shut-in	Accum. Time from Shut-in			
123.00	0.25	31.00	3859.83	82.82	
124.00	1.00	32.00	3859.35	82.80	
125.00	1.00	33.00	3858.58	82.79	
126.00	1.00	34.00	3857.91	82.77	
127.00	1.00	35.00	3857.21	82.76	
128.00	1.00	36.00	3856.51	82.75	
129.00	1.00	37.00	3855.83	82.73	
130.00	1.00	38.00	3855.14	82.72	
131.00	1.00	39.00	3854.52	82.71	
132.00	1.00	40.00	3853.91	82.69	
133.00	1.00	41.00	3853.19	82.69	
134.00	1.00	42.00	3852.51	82.67	
135.00	1.00	43.00	3851.89	82.67	
136.00	1.00	44.00	3851.32	82.66	
137.00	1.00	45.00	3850.77	82.65	
138.00	1.00	46.00	3850.06	82.64	
139.00	1.00	47.00	3849.43	82.64	
140.00	1.00	48.00	3848.94	82.63	
141.00	1.00	49.00	3848.39	82.62	
142.00	1.00	50.00	3847.68	82.61	
143.00	1.00	51.00	3846.99	82.60	
144.00	1.00	52.00	3846.42	82.60	
145.00	1.00	53.00	3845.94	82.59	
146.00	1.00	54.00	3845.46	82.58	
147.00	1.00	55.00	3844.81	82.58	
148.00	1.00	56.00	3844.21	82.56	
149.00	1.00	57.00	3843.63	82.56	
150.00	1.00	58.00	3843.14	82.56	
151.00	1.00	59.00	3842.63	82.56	
152.00	1.00	60.00	3842.08	82.55	
153.00	1.00	61.00	3841.50	82.55	
154.00	1.00	62.00	3840.95	82.54	
155.00	1.00	63.00	3840.45	82.54	
156.00	1.00	64.00	3839.97	82.53	
157.00	1.00	65.00	3839.39	82.53	
158.00	1.00	66.00	3838.92	82.52	
159.00	1.00	67.00	3838.41	82.52	
160.00	1.00	68.00	3837.91	82.52	
161.00	1.00	69.00	3837.41	82.52	
162.00	1.00	70.00	3836.91	82.52	
163.00	1.00	71.00	3836.40	82.52	
164.00	1.00	72.00	3835.93	82.51	
165.00	1.00	73.00	3835.44	82.50	
166.00	1.00	74.00	3834.87	82.50	
167.00	1.00	75.00	3834.39	82.50	
168.00	1.00	76.00	3833.96	82.50	
169.00	1.00	77.00	3833.25	82.50	
170.00	1.00	78.00	3833.03	82.50	
171.00	1.00	79.00	3832.59	82.50	
172.00	1.00	80.00	3832.10	82.49	
173.00	1.00	81.00	3831.67	82.49	
174.00	1.00	82.00	3831.24	82.49	
175.00	1.00	83.00	3830.81	82.49	
176.00	1.00	84.00	3830.12	82.48	
177.00	1.00	85.00	3829.90	82.48	
178.00	1.00	86.00	3829.48	82.48	
179.00	1.00	87.00	3828.98	82.48	
180.00	1.00	88.00	3828.55	82.48	
181.00	1.00	89.00	3828.12	82.48	
182.00	1.00	90.00	3827.69	82.48	

Minutes			Pressure	Temp	Remarks
Elapsed Time from Clock Start	Elapsed Time from Shut-in	Accum. Time from Shut-in			
183.00	1.00	91.00	3827.26	82.48	
184.00	1.00	92.00	3826.67	82.48	
185.00	1.00	93.00	3826.48	82.47	
186.00	1.00	94.00	3826.04	82.47	
187.00	1.00	95.00	3825.57	82.46	
188.00	1.00	96.00	3824.95	82.48	
189.00	1.00	97.00	3824.76	82.48	
190.00	1.00	98.00	3824.16	82.48	
191.00	1.00	99.00	3823.98	82.48	
192.00	1.00	100.00	3823.41	82.48	
193.00	1.00	101.00	3823.19	82.47	
194.00	1.00	102.00	3822.82	82.47	
195.00	1.00	103.00	3822.41	82.46	
196.00	1.00	104.00	3821.96	82.47	
197.00	1.00	105.00	3821.39	82.46	
198.00	1.00	106.00	3821.20	82.46	
199.00	1.00	107.00	3820.86	82.45	
200.00	1.00	108.00	3820.41	82.46	
201.00	1.00	109.00	3819.81	82.46	
202.00	1.00	110.00	3819.65	82.46	
203.00	1.00	111.00	3819.34	82.46	
204.00	1.00	112.00	3818.97	82.46	
205.00	1.00	113.00	3818.38	82.46	
206.00	1.00	114.00	3818.19	82.46	
207.00	1.00	115.00	3817.83	82.46	
208.00	1.00	116.00	3817.23	82.46	
209.00	1.00	117.00	3817.04	82.46	
210.00	1.00	118.00	3816.51	82.46	
211.00	1.00	119.00	3816.33	82.46	
212.00	1.00	120.00	3815.97	82.46	
213.00	1.00	121.00	3815.39	82.45	
214.00	1.00	122.00	3815.24	82.45	
215.00	1.00	123.00	3814.99	82.45	
216.00	1.00	124.00	3814.42	82.45	
217.00	1.00	125.00	3814.24	82.45	
218.00	1.00	126.00	3813.91	82.45	
219.00	1.00	127.00	3813.55	82.45	
220.00	1.00	128.00	3812.95	82.45	
221.00	1.00	129.00	3812.77	82.45	
222.00	1.00	130.00	3812.24	82.45	
223.00	1.00	131.00	3812.07	82.45	
224.00	1.00	132.00	3811.85	82.45	
225.00	1.00	133.00	3811.48	82.45	
226.00	1.00	134.00	3810.95	82.45	
227.00	1.00	135.00	3810.79	82.45	
228.00	1.00	136.00	3810.47	82.45	
229.00	1.00	137.00	3809.94	82.45	
230.00	1.00	138.00	3809.78	82.45	
231.00	1.00	139.00	3809.49	82.44	
232.00	1.00	140.00	3808.94	82.45	
233.00	1.00	141.00	3808.80	82.45	
234.00	1.00	142.00	3808.54	82.45	
235.00	1.00	143.00	3808.08	82.45	
236.00	1.00	144.00	3807.91	82.44	
237.00	1.00	145.00	3807.36	82.45	
238.00	1.00	146.00	3807.20	82.45	
239.00	1.00	147.00	3806.98	82.45	
240.00	1.00	148.00	3806.61	82.45	
241.00	1.00	149.00	3806.07	82.45	
242.00	1.00	150.00	3805.93	82.45	

Minutes			Pressure	Temp	Remarks
Elapsed Time from Clock Start	Elapsed Time from Shut-in	Accum. Time from Shut-in			
243.00	1.00	151.00	3805.68	82.45	
244.00	1.00	152.00	3805.38	82.45	
245.00	1.00	153.00	3804.82	82.45	
246.00	1.00	154.00	3804.69	82.45	
247.00	1.00	155.00	3804.51	82.45	
248.00	1.00	156.00	3804.17	82.45	
249.00	1.00	157.00	3803.64	82.45	
250.00	1.00	158.00	3803.48	82.45	
251.00	1.00	159.00	3803.25	82.45	
252.00	1.00	160.00	3803.02	82.44	
253.00	1.00	161.00	3802.73	82.45	
254.00	1.00	162.00	3802.45	82.45	
255.00	1.00	163.00	3802.16	82.45	
256.00	1.00	164.00	3801.88	82.45	
257.00	1.00	165.00	3801.61	82.45	
258.00	1.00	166.00	3801.24	82.45	
259.00	1.00	167.00	3800.94	82.45	
260.00	1.00	168.00	3800.38	82.45	
261.00	1.00	169.00	3800.25	82.45	
262.00	1.00	170.00	3800.07	82.45	
263.00	1.00	171.00	3799.85	82.44	
264.00	1.00	172.00	3799.57	82.45	
265.00	1.00	173.00	3799.29	82.45	
266.00	1.00	174.00	3798.87	82.45	
267.00	1.00	175.00	3798.37	82.45	
268.00	1.00	176.00	3798.24	82.45	
269.00	1.00	177.00	3798.06	82.45	
270.00	1.00	178.00	3797.82	82.45	
271.00	1.00	179.00	3797.56	82.45	
272.00	1.00	180.00	3797.30	82.45	
273.00	1.00	181.00	3797.06	82.45	
274.00	1.00	182.00	3796.82	82.45	
275.00	1.00	183.00	3796.43	82.45	
276.00	1.00	184.00	3795.94	82.45	
277.00	1.00	185.00	3795.81	82.45	
278.00	1.00	186.00	3795.62	82.45	
279.00	1.00	187.00	3795.40	82.45	
280.00	1.00	188.00	3795.11	82.43	
281.00	1.00	189.00	3794.67	82.44	
282.00	1.00	190.00	3794.52	82.44	
283.00	1.00	191.00	3794.04	82.45	
284.00	1.00	192.00	3793.92	82.44	
285.00	1.00	193.00	3793.74	82.44	
286.00	1.00	194.00	3793.52	82.44	
287.00	1.00	195.00	3793.27	82.44	
288.00	1.00	196.00	3793.00	82.44	
289.00	1.00	197.00	3792.72	82.44	
290.00	1.00	198.00	3792.44	82.44	
291.00	1.00	199.00	3792.19	82.44	
292.00	1.00	200.00	3792.01	82.43	
293.00	1.00	201.00	3791.79	82.44	
294.00	1.00	202.00	3791.55	82.44	
295.00	1.00	203.00	3791.26	82.45	
296.00	1.00	204.00	3791.00	82.44	
297.00	1.00	205.00	3790.72	82.44	
298.00	1.00	206.00	3790.43	82.44	
299.00	1.00	207.00	3790.16	82.44	
300.00	1.00	208.00	3789.79	82.44	
301.00	1.00	209.00	3789.36	82.44	
302.00	1.00	210.00	3789.25	82.44	