

J. F. COOPER 19 ST. #1
96 HOUR BUILDUP
6/9/04



JOB INFORMATION SHEET



Company Information		
Company Name:	PATTERSON PETROLEUM LP.	
Address:		
Well Information		
Well Name:	J. F. COOPER 19 ST. #1	
Location:		
Field – Pool:		
Status:	FLOWING	
Test Information		
Type of Test:	FLOWING GRADIENT	
Gauge Depth:	13365 ft	
Production Interval:	13466 ft to 13563 ft	
Production Through:	2.875" TUBING	
Tubing Pressure:	172.1 psi	
Casing Pressure:	0 psi	
Shut In Time		
Status:	FLOWING	
Temperature @ Run Depth	175.5 degF	
Surface Temperature:	74.75 degF	
Gauge Information		
	Top Recorder	Bottom Recorder
Serial Number:	76119JJ	76233y
Calibration Date:	6/12/03	6/12/03
Pressure Range:	10000 psi	10000 psi
Comments		

Pro Well Testing & Wireline, Inc.
P.O. Box 791 Hobbs, NM 88241
(505) 397-3590

PRO WELL TESTING & **WIRELINE**

Analysis Summary

Depth ft	Gradient psi/ft
0.00	0.0249
4286.37	0.2046
13365.00	

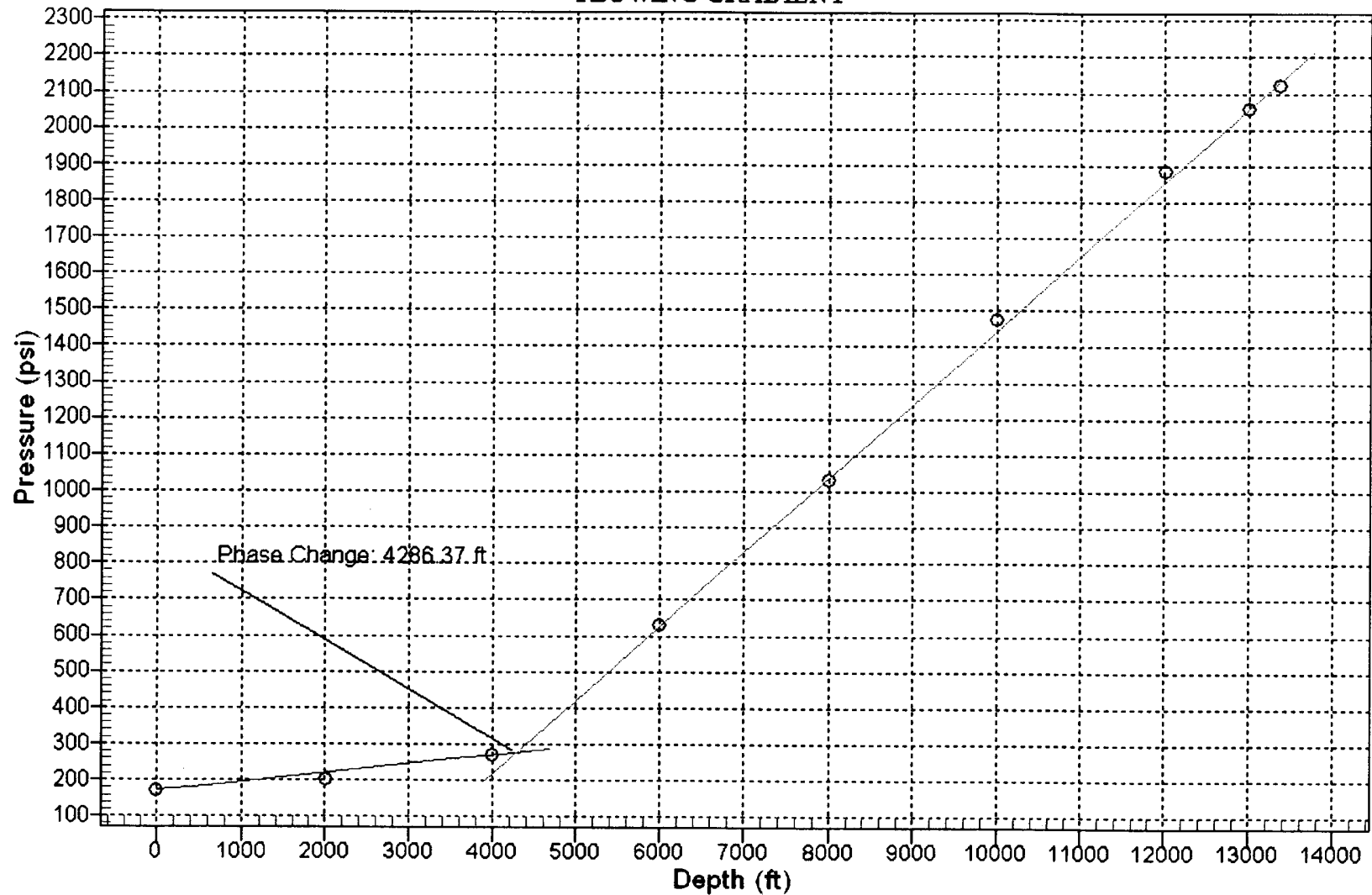
Pro Well Testing & Wireline, Inc.
P.O. Box 791 Hobbs, NM 88241
(505) 397-3590

PATTERSON PETROLEUM LP.

J. F. COOPER 19 ST. #1

Pressure vs. Depth

FLOWING GRADIENT



Pro Well Testing & Wireline, Inc.

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PRO WELL TESTING & **WIREFLINE**

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Company:	PATTERSON PETROLEUM LP.	Well Name:	J. F. COOPER 19 ST. #1
Location:		Field:	
Purpose:	96 HOUR BUILDUP	Gauge Depth:	13365.00 ft
Serial Number:	76233y		

Line No.	Date M/d/yyyy	Real Time hh:mm:ss	Delta Time hr	Pressure psi	Temperature degF	Differential psi
1	6/5/2004	10:31:34 AM	0.000000	2151.09	175.43	0.00
2	6/5/2004	10:32:34 AM	0.016667	2156.95	175.46	5.86
3	6/5/2004	10:33:34 AM	0.033333	2165.47	175.51	8.52
4	6/5/2004	10:34:34 AM	0.050000	2174.55	175.56	9.07
5	6/5/2004	10:35:34 AM	0.066667	2183.40	175.61	8.85
6	6/5/2004	10:36:34 AM	0.083333	2191.94	175.66	8.55
7	6/5/2004	10:37:34 AM	0.100000	2199.99	175.70	8.05
8	6/5/2004	10:38:34 AM	0.116667	2207.91	175.74	7.92
9	6/5/2004	10:39:34 AM	0.133333	2215.73	175.77	7.81
10	6/5/2004	10:40:34 AM	0.150000	2223.42	175.80	7.69
11	6/5/2004	10:41:34 AM	0.166667	2231.11	175.83	7.70
12	6/5/2004	10:42:34 AM	0.183333	2238.41	175.85	7.30
13	6/5/2004	10:43:34 AM	0.200000	2245.66	175.87	7.25
14	6/5/2004	10:44:34 AM	0.216667	2252.50	175.88	6.84
15	6/5/2004	10:45:34 AM	0.233333	2259.88	175.83	7.38
16	6/5/2004	10:46:34 AM	0.250000	2266.83	175.83	6.95
17	6/5/2004	10:47:34 AM	0.266667	2273.57	175.83	6.74
18	6/5/2004	10:48:34 AM	0.283333	2280.54	175.84	6.97
19	6/5/2004	10:49:34 AM	0.300000	2287.14	175.85	6.60
20	6/5/2004	10:50:34 AM	0.316667	2293.71	175.86	6.58
21	6/5/2004	10:51:34 AM	0.333333	2300.14	175.88	6.42
22	6/5/2004	10:52:34 AM	0.350000	2306.46	175.88	6.32
23	6/5/2004	10:53:34 AM	0.366667	2312.89	175.89	6.43
24	6/5/2004	10:54:34 AM	0.383333	2319.01	175.90	6.12
25	6/5/2004	10:55:34 AM	0.400000	2325.17	175.91	6.16
26	6/5/2004	10:56:34 AM	0.416667	2331.21	175.91	6.03
27	6/5/2004	10:57:34 AM	0.433333	2337.21	175.92	6.01
28	6/5/2004	10:58:34 AM	0.450000	2343.16	175.94	5.95
29	6/5/2004	10:59:34 AM	0.466667	2349.40	175.95	6.24
30	6/5/2004	11:00:34 AM	0.483333	2355.41	175.97	6.01
31	6/5/2004	11:01:34 AM	0.500000	2361.03	175.98	5.62
32	6/5/2004	11:06:34 AM	0.583333	2388.92	175.99	27.89
33	6/5/2004	11:11:34 AM	0.666667	2414.81	175.98	25.89
34	6/5/2004	11:16:34 AM	0.750000	2439.73	176.05	24.92
35	6/5/2004	11:21:34 AM	0.833333	2462.39	176.10	22.66
36	6/5/2004	11:26:34 AM	0.916667	2484.43	176.14	22.04
37	6/5/2004	11:31:34 AM	1.000000	2505.90	176.17	21.47
38	6/5/2004	11:36:34 AM	1.083333	2526.78	176.20	20.88
39	6/5/2004	11:41:34 AM	1.166667	2547.00	176.22	20.22
40	6/5/2004	11:46:34 AM	1.250000	2567.72	176.24	20.73
41	6/5/2004	11:51:34 AM	1.333333	2587.64	176.16	19.91
42	6/5/2004	11:56:34 AM	1.416667	2609.70	176.06	22.06
43	6/5/2004	12:01:34 PM	1.500000	2630.97	176.04	21.28
44	6/5/2004	12:06:34 PM	1.583333	2651.24	176.02	20.27
45	6/5/2004	12:11:34 PM	1.666667	2671.89	176.07	20.65
46	6/5/2004	12:16:34 PM	1.750000	2688.68	176.15	16.79
47	6/5/2004	12:21:34 PM	1.833333	2705.57	176.12	16.90
48	6/5/2004	12:26:34 PM	1.916667	2725.56	176.07	19.99
49	6/5/2004	12:31:34 PM	2.000000	2745.79	176.07	20.22
50	6/5/2004	12:36:34 PM	2.083333	2765.41	176.08	19.62

PRO WELL TESTING & WIRELINE, INC.
P.O. BOX 791 HOBBS, NEW MEXICO 88241 (505)-397-3590

Company:	PATTERSON PETROLEUM LP.	Well Name:	J. F. COOPER 19 ST. #1
Location:		Field:	
Purpose:	96 HOUR BUILDUP	Gauge Depth:	13365.00 ft
Serial Number:	76233y		

Line No.	Date M/d/yyyy	Real Time hh:mm:ss	Delta Time hr	Pressure psi	Temperature degF	Differential psi
51	6/5/2004	12:41:34 PM	2.166667	2784.56	176.09	19.16
52	6/5/2004	12:46:34 PM	2.250000	2803.82	176.11	19.26
53	6/5/2004	12:51:34 PM	2.333333	2823.21	176.13	19.39
54	6/5/2004	12:56:34 PM	2.416667	2841.82	176.15	18.61
55	6/5/2004	1:01:34 PM	2.500000	2859.80	176.16	17.98
56	6/5/2004	1:06:34 PM	2.583333	2878.51	176.18	18.71
57	6/5/2004	1:11:34 PM	2.666667	2897.13	176.20	18.62
58	6/5/2004	1:16:34 PM	2.750000	2915.38	176.22	18.25
59	6/5/2004	1:21:34 PM	2.833333	2933.71	176.25	18.34
60	6/5/2004	1:26:34 PM	2.916667	2951.72	176.26	18.01
61	6/5/2004	1:31:34 PM	3.000000	2968.66	176.28	16.94
62	6/5/2004	1:36:34 PM	3.083333	2986.77	176.30	18.11
63	6/5/2004	1:41:34 PM	3.166667	3005.13	176.33	18.36
64	6/5/2004	1:46:34 PM	3.250000	3023.86	176.35	18.73
65	6/5/2004	1:51:34 PM	3.333333	3042.36	176.38	18.50
66	6/5/2004	1:56:34 PM	3.416667	3060.53	176.40	18.17
67	6/5/2004	2:01:34 PM	3.500000	3078.74	176.42	18.21
68	6/5/2004	2:06:34 PM	3.583333	3096.55	176.45	17.81
69	6/5/2004	2:11:34 PM	3.666667	3114.58	176.47	18.03
70	6/5/2004	2:16:34 PM	3.750000	3133.04	176.49	18.46
71	6/5/2004	2:21:34 PM	3.833333	3152.01	176.52	18.97
72	6/5/2004	2:26:34 PM	3.916667	3171.25	176.55	19.24
73	6/5/2004	2:31:34 PM	4.000000	3190.51	176.58	19.26
74	6/5/2004	2:46:34 PM	4.250000	3248.34	176.66	57.83
75	6/5/2004	3:01:34 PM	4.500000	3305.71	176.74	57.37
76	6/5/2004	3:16:34 PM	4.750000	3361.79	176.82	56.08
77	6/5/2004	3:31:34 PM	5.000000	3417.51	176.90	55.72
78	6/5/2004	3:46:34 PM	5.250000	3474.01	176.99	56.50
79	6/5/2004	4:01:34 PM	5.500000	3527.77	177.07	53.76
80	6/5/2004	4:16:34 PM	5.750000	3578.93	177.14	51.16
81	6/5/2004	4:31:34 PM	6.000000	3629.90	177.22	50.97
82	6/5/2004	4:46:34 PM	6.250000	3680.64	177.30	50.74
83	6/5/2004	5:01:34 PM	6.500000	3730.91	177.38	50.26
84	6/5/2004	5:16:34 PM	6.750000	3780.24	177.46	49.33
85	6/5/2004	5:31:34 PM	7.000000	3829.61	177.54	49.37
86	6/5/2004	5:46:34 PM	7.250000	3878.44	177.62	48.83
87	6/5/2004	6:01:34 PM	7.500000	3926.62	177.69	48.17
88	6/5/2004	6:16:34 PM	7.750000	3973.69	177.77	47.08
89	6/5/2004	6:31:34 PM	8.000000	4019.81	177.84	46.12
90	6/5/2004	7:01:34 PM	8.500000	4108.62	177.97	88.81
91	6/5/2004	7:31:34 PM	9.000000	4192.76	178.09	84.14
92	6/5/2004	8:01:34 PM	9.500000	4272.57	178.21	79.81
93	6/5/2004	8:31:34 PM	10.000000	4348.82	178.33	76.25
94	6/5/2004	9:01:34 PM	10.500000	4421.79	178.43	72.98
95	6/5/2004	9:31:34 PM	11.000000	4491.59	178.54	69.80
96	6/5/2004	10:01:34 PM	11.500000	4558.27	178.63	66.68
97	6/5/2004	10:31:34 PM	12.000000	4621.81	178.72	63.54
98	6/5/2004	11:31:34 PM	13.000000	4739.77	178.88	117.96
99	6/6/2004	12:31:34 AM	14.000000	4846.44	179.02	106.67
100	6/6/2004	1:31:34 AM	15.000000	4940.45	179.15	94.01

PRO WELL TESTING & WIRELINE, INC.
P.O. BOX 791 HOBBS, NEW MEXICO 88241 (505)-397-3590

Company:		PATTERSON PETROLEUM LP.		Well Name:		J. F. COOPER 19 ST. #1	
Location:				Field:			
Purpose:		96 HOUR BUILDUP		Gauge Depth:		13365.00 ft	
Serial Number:		76233y					
Line No.	Date M/d/yyyy	Real Time hh:mm:ss	Delta Time hr	Pressure psi	Temperature degF	Differential psi	
101	6/6/2004	2:31:34 AM	16.000000	5023.49	179.25	83.04	
102	6/6/2004	3:31:34 AM	17.000000	5102.41	179.35	78.92	
103	6/6/2004	4:31:34 AM	18.000000	5173.95	179.45	71.54	
104	6/6/2004	5:31:34 AM	19.000000	5239.21	179.53	65.26	
105	6/6/2004	6:31:34 AM	20.000000	5298.41	179.60	59.20	
106	6/6/2004	7:31:34 AM	21.000000	5352.19	179.66	53.78	
107	6/6/2004	8:31:34 AM	22.000000	5400.73	179.70	48.54	
108	6/6/2004	9:31:34 AM	23.000000	5444.10	179.75	43.38	
109	6/6/2004	10:31:34 AM	24.000000	5483.40	179.79	39.30	
110	6/6/2004	11:31:34 AM	25.000000	5519.11	179.83	35.71	
111	6/6/2004	12:31:34 PM	26.000000	5551.80	179.86	32.69	
112	6/6/2004	1:31:34 PM	27.000000	5581.60	179.89	29.80	
113	6/6/2004	2:31:34 PM	28.000000	5609.86	179.92	28.27	
114	6/6/2004	3:31:34 PM	29.000000	5636.10	179.95	26.24	
115	6/6/2004	4:31:34 PM	30.000000	5660.61	179.97	24.51	
116	6/6/2004	5:31:34 PM	31.000000	5683.52	180.00	22.91	
117	6/6/2004	6:31:34 PM	32.000000	5704.99	180.02	21.47	
118	6/6/2004	7:31:34 PM	33.000000	5725.09	180.04	20.11	
119	6/6/2004	8:31:34 PM	34.000000	5743.84	180.06	18.75	
120	6/6/2004	9:31:34 PM	35.000000	5761.42	180.08	17.58	
121	6/6/2004	10:31:34 PM	36.000000	5778.10	180.10	16.68	
122	6/6/2004	11:31:34 PM	37.000000	5793.71	180.12	15.61	
123	6/7/2004	12:31:34 AM	38.000000	5808.56	180.14	14.85	
124	6/7/2004	1:31:34 AM	39.000000	5822.68	180.16	14.12	
125	6/7/2004	2:31:34 AM	40.000000	5836.26	180.18	13.58	
126	6/7/2004	3:31:34 AM	41.000000	5849.34	180.20	13.08	
127	6/7/2004	4:31:34 AM	42.000000	5861.76	180.22	12.42	
128	6/7/2004	5:31:34 AM	43.000000	5873.65	180.23	11.90	
129	6/7/2004	6:31:34 AM	44.000000	5884.99	180.24	11.34	
130	6/7/2004	7:31:34 AM	45.000000	5896.04	180.26	11.05	
131	6/7/2004	8:31:34 AM	46.000000	5906.58	180.29	10.54	
132	6/7/2004	9:31:34 AM	47.000000	5916.61	180.30	10.03	
133	6/7/2004	10:31:34 AM	48.000000	5926.14	180.31	9.53	
134	6/7/2004	11:31:34 AM	49.000000	5935.16	180.32	9.03	
135	6/7/2004	12:31:34 PM	50.000000	5943.78	180.34	8.62	
136	6/7/2004	1:31:34 PM	51.000000	5952.09	180.36	8.31	
137	6/7/2004	2:31:34 PM	52.000000	5960.04	180.37	7.95	
138	6/7/2004	3:31:34 PM	53.000000	5967.69	180.39	7.65	
139	6/7/2004	4:31:34 PM	54.000000	5974.99	180.40	7.30	
140	6/7/2004	5:31:34 PM	55.000000	5981.99	180.41	7.00	
141	6/7/2004	6:31:34 PM	56.000000	5988.71	180.43	6.72	
142	6/7/2004	7:31:34 PM	57.000000	5995.04	180.44	6.33	
143	6/7/2004	8:31:34 PM	58.000000	6001.09	180.45	6.06	
144	6/7/2004	9:31:34 PM	59.000000	6007.00	180.46	5.90	
145	6/7/2004	10:31:34 PM	60.000000	6012.68	180.47	5.69	
146	6/7/2004	11:31:34 PM	61.000000	6018.24	180.48	5.56	
147	6/8/2004	12:31:34 AM	62.000000	6023.70	180.50	5.46	
148	6/8/2004	1:31:34 AM	63.000000	6028.89	180.50	5.19	
149	6/8/2004	2:31:34 AM	64.000000	6033.89	180.52	5.00	
150	6/8/2004	3:31:34 AM	65.000000	6038.83	180.53	4.94	

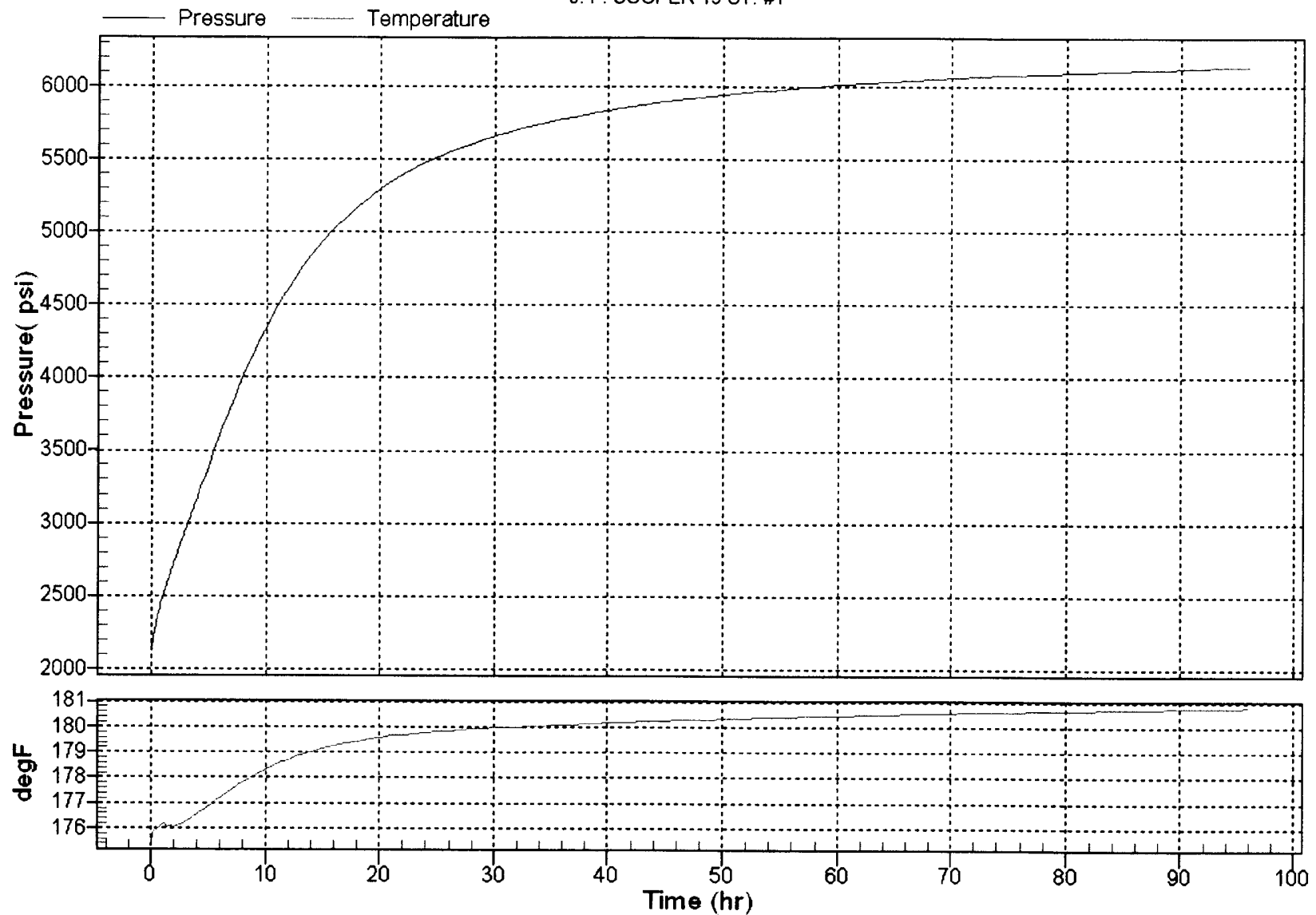
PRO WELL TESTING & WIRELINE, INC.
P.O. BOX 791 HOBBS, NEW MEXICO 88241 (505)-397-3590

Company:		PATTERSON PETROLEUM LP.		Well Name:		J. F. COOPER 19 ST. #1	
Location:				Field:			
Purpose:		96 HOUR BUILDUP		Gauge Depth:		13365.00 ft	
Serial Number:		76233y					
Line No.	Date M/d/yyyy	Real Time hh:mm:ss	Delta Time hr	Pressure psi	Temperature degF	Differential psi	
151	6/8/2004	4:31:34 AM	66.000000	6043.57	180.54	4.74	
152	6/8/2004	5:31:34 AM	67.000000	6048.15	180.55	4.58	
153	6/8/2004	6:31:34 AM	68.000000	6052.60	180.56	4.45	
154	6/8/2004	7:31:34 AM	69.000000	6057.00	180.58	4.41	
155	6/8/2004	8:31:34 AM	70.000000	6061.34	180.58	4.34	
156	6/8/2004	9:31:34 AM	71.000000	6065.58	180.59	4.24	
157	6/8/2004	10:31:34 AM	72.000000	6069.61	180.60	4.03	
158	6/8/2004	11:31:34 AM	73.000000	6073.53	180.61	3.93	
159	6/8/2004	12:31:34 PM	74.000000	6077.23	180.62	3.70	
160	6/8/2004	1:31:34 PM	75.000000	6080.78	180.64	3.55	
161	6/8/2004	2:31:34 PM	76.000000	6084.12	180.64	3.34	
162	6/8/2004	3:31:34 PM	77.000000	6087.46	180.65	3.33	
163	6/8/2004	4:31:34 PM	78.000000	6090.60	180.65	3.15	
164	6/8/2004	5:31:34 PM	79.000000	6093.78	180.67	3.18	
165	6/8/2004	6:31:34 PM	80.000000	6096.73	180.67	2.95	
166	6/8/2004	7:31:34 PM	81.000000	6099.63	180.69	2.90	
167	6/8/2004	8:31:34 PM	82.000000	6102.39	180.70	2.76	
168	6/8/2004	9:31:34 PM	83.000000	6105.17	180.71	2.78	
169	6/8/2004	10:31:34 PM	84.000000	6107.91	180.71	2.74	
170	6/8/2004	11:31:34 PM	85.000000	6110.64	180.72	2.74	
171	6/9/2004	12:31:34 AM	86.000000	6113.32	180.73	2.68	
172	6/9/2004	1:31:34 AM	87.000000	6115.91	180.73	2.59	
173	6/9/2004	2:31:34 AM	88.000000	6118.50	180.74	2.59	
174	6/9/2004	3:31:34 AM	89.000000	6121.03	180.75	2.53	
175	6/9/2004	4:31:34 AM	90.000000	6123.56	180.76	2.53	
176	6/9/2004	5:31:34 AM	91.000000	6126.09	180.77	2.52	
177	6/9/2004	6:31:34 AM	92.000000	6128.59	180.77	2.50	
178	6/9/2004	7:31:34 AM	93.000000	6131.02	180.78	2.43	
179	6/9/2004	8:31:34 AM	94.000000	6133.56	180.78	2.54	
180	6/9/2004	9:31:34 AM	95.000000	6135.98	180.80	2.41	
181	6/9/2004	10:31:34 AM	96.000000	6138.36	180.80	2.39	

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PATTERSON PETROLEUM LP.

J. F. COOPER 19 ST. #1



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JOB INFORMATION SHEET

Company Information		
Company Name:	PATTERSON PETROLEUM LP.	
Address:		
Well Information		
Well Name:	J. F. COOPER 19 ST. #1	
Location:		
Field – Pool:		
Status:	SHUT IN	
Test Information		
Type of Test:	STATIC GRADIENT	
Gauge Depth:	13365 ft	
Production Interval:	13466 ft to 13563 ft	
Production Through:	2.875" TUBING	
Tubing Pressure:	3270.15 psi	
Casing Pressure:	0 psi	
Shut In Time		
Status:	SHUT IN	
Temperature @ Run Depth	180.82 degF	
Surface Temperature:	85.52 degF	
Gauge Information		
	Top Recorder	Bottom Recorder
Serial Number:	76119JJ	76233y
Calibration Date:	6/12/03	6/12/03
Pressure Range:	10000 psi	10000 psi
Comments		

PRO WELL TESTING & **WIRELINE**

Analysis Summary

Depth ft	Gradient psi/ft
0.00	0.1899
12120.34	0.4096
13365.00	

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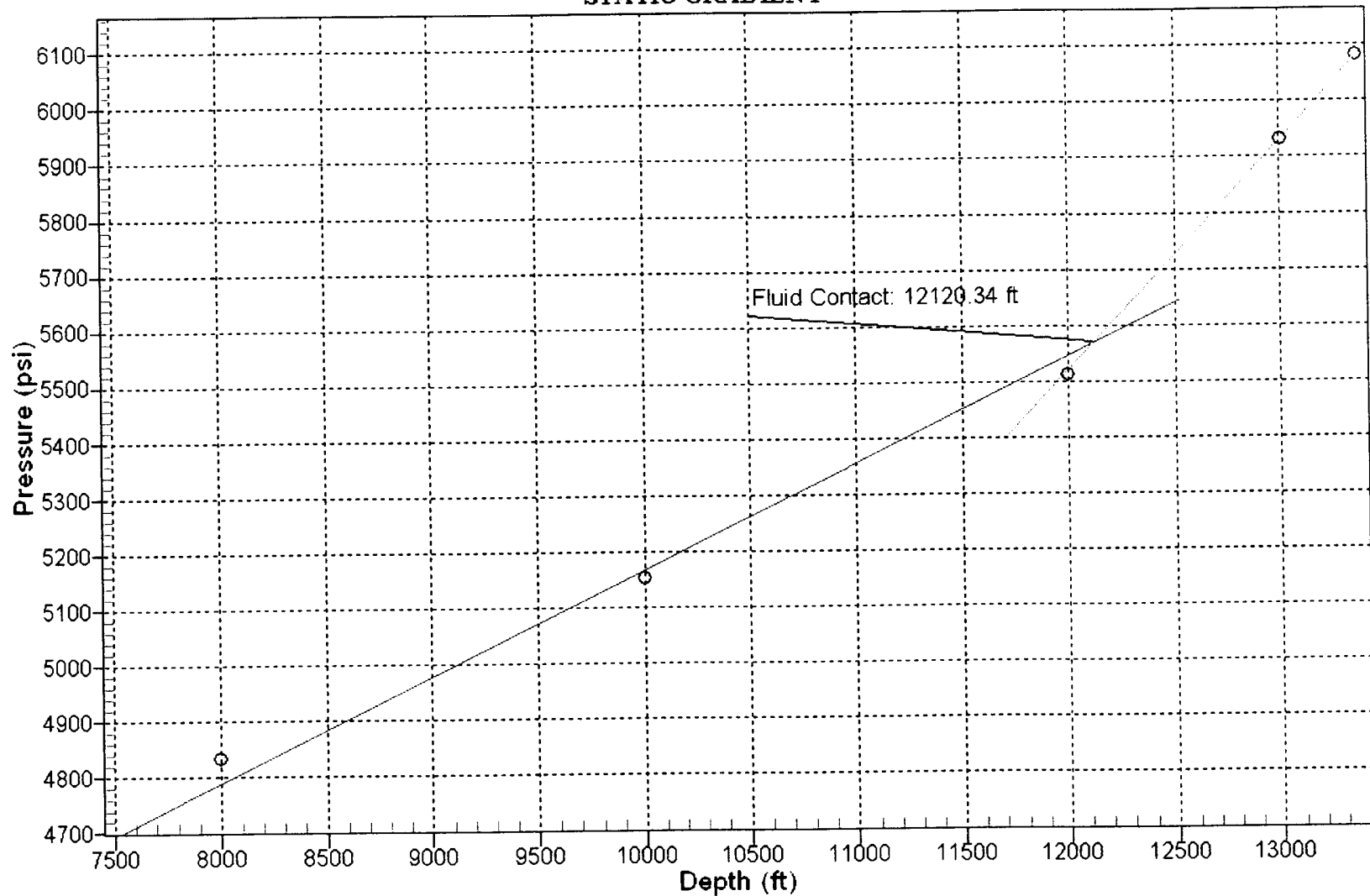
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PATTERSON PETROLEUM LP.

J. F. COOPER 19 ST. #1

Pressure vs. Depth

STATIC GRADIENT



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