

Company: Aztec
Address: P.O. Box 1020
: ElDorado KS 67042
:

Date: May 7 1998
to: May 7 1998

Well Name : Pressure Test Suiter "C-1"
Location : se/nw/se 24-24-15 Elev. : 2007.00 KB(ft) 0.00 GL(ft)
Field/Pool: Prod. Interval: 4110.00 to 4120.00 ft(CF)
Test Type : static BHP Mid-Point Perf: 4105.00 ft(CF)
Status : flowing Tubing: 2.00 inches @ 4086.00 ft(GL)

Wire Line Company : Trilobite

Top Recorder Serial # 3030 Run Depth: 4090.00 ft(CF)
Range : .1 DEG F, 4995 psig Sample Memory: 25000 Samples
Start Date/Time: May 7 1998 @ 10:31:55 End Date/Time: May 17 1998 @ 6:31:55
Date of Last Calibration: February 20 1998

Bottom Recorder Serial # Run Depth: 0.00 ft(CF)
Range : Sample Memory: 0 Samples
Start Date/Time: May 7 1998 @ 10:31:55 End Date/Time: May 7 1998 @ 10:31:55
Date of Last Calibration: 0 0

NOTE - 1 Sample = Time, Pressure, Temperature

Program: Duration:	59 Min.	Sample Rate:	30 Sec.	ΔP :	286.88 psi
	Duration: 2 Hr.	Sample Rate:	5 Min.	ΔP :	0.06 psi
	Duration: 4 Hr.	Sample Rate:	15 Min.	ΔP :	-17.12 psi
	Duration: 17 Hr.	Sample Rate:	1 Hr.	ΔP :	1.80 psi
	Duration: 69 Hr.	Sample Rate:	4 Hr.	ΔP :	10.05 psi

Tubing Pressure: Initial: 70.0 PSIG Final: 270.0 PSIG
Casing Pressure: Initial: Not Reported Final: Not Reported

Electronic Data supplied on disk in standard ASE format.

ALPINE SUBSURFACE ELECTRONICS PROBE DATA LISTING

TEST: Pressure Test Suiter "C"

DATE: 05/07/98

TIME: 10:31:55

PAGE: 001

Sample	Date	Time	Relative Seconds	Temperature DEG F	Pressure PSIG
1	98/05/07	10:31:56	000:00:01	65.23 DEG F	2.23 PSIG
started recorder					
Print every 20 samples					
21	98/05/07	10:32:16	000:00:21	65.17 DEG F	1.72 PSIG
41	98/05/07	10:32:36	000:00:41	65.11 DEG F	1.63 PSIG
61	98/05/07	10:33:55	000:02:00	64.63 DEG F	1.45 PSIG
68	98/05/07	10:37:25	000:05:30	64.46 DEG F	73.74 PSIG
started in hole					
88	98/05/07	10:47:25	000:15:30	62.49 DEG F	75.43 PSIG
A 90	98/05/07	10:48:25	000:16:30	62.19 DEG F	76.39 PSIG
** Flag Point A					
500'					
Print every sample					
91	98/05/07	10:48:55	000:17:00	62.03 DEG F	76.17 PSIG
92	98/05/07	10:49:25	000:17:30	61.92 DEG F	76.27 PSIG
93	98/05/07	10:49:55	000:18:00	61.87 DEG F	76.05 PSIG
94	98/05/07	10:50:25	000:18:30	61.89 DEG F	75.69 PSIG
95	98/05/07	10:50:55	000:19:00	62.00 DEG F	75.39 PSIG
96	98/05/07	10:51:25	000:19:30	62.17 DEG F	75.31 PSIG
97	98/05/07	10:51:55	000:20:00	62.37 DEG F	75.41 PSIG
98	98/05/07	10:52:25	000:20:30	62.59 DEG F	75.67 PSIG
99	98/05/07	10:52:55	000:21:00	62.82 DEG F	75.51 PSIG
100	98/05/07	10:53:25	000:21:30	63.06 DEG F	75.57 PSIG
101	98/05/07	10:53:55	000:22:00	63.31 DEG F	75.73 PSIG
102	98/05/07	10:54:25	000:22:30	63.60 DEG F	75.91 PSIG
B 103	98/05/07	10:54:55	000:23:00	63.94 DEG F	76.33 PSIG
** Flag Point B					
1000'					
104	98/05/07	10:55:25	000:23:30	64.35 DEG F	76.13 PSIG
105	98/05/07	10:55:55	000:24:00	64.83 DEG F	75.73 PSIG
106	98/05/07	10:56:25	000:24:30	65.41 DEG F	75.55 PSIG
107	98/05/07	10:56:55	000:25:00	66.04 DEG F	75.73 PSIG
108	98/05/07	10:57:25	000:25:30	66.69 DEG F	75.77 PSIG
109	98/05/07	10:57:55	000:26:00	67.33 DEG F	75.47 PSIG
110	98/05/07	10:58:25	000:26:30	67.93 DEG F	75.35 PSIG
111	98/05/07	10:58:55	000:27:00	68.50 DEG F	75.49 PSIG
112	98/05/07	10:59:25	000:27:30	69.01 DEG F	75.81 PSIG
113	98/05/07	10:59:55	000:28:00	69.49 DEG F	75.95 PSIG
C 114	98/05/07	11:00:25	000:28:30	69.97 DEG F	76.31 PSIG
** Flag Point C					
1500'					
115	98/05/07	11:00:55	000:29:00	70.49 DEG F	76.27 PSIG
116	98/05/07	11:01:25	000:29:30	71.10 DEG F	75.69 PSIG
117	98/05/07	11:01:55	000:30:00	71.77 DEG F	75.59 PSIG
118	98/05/07	11:02:25	000:30:30	72.47 DEG F	75.77 PSIG
119	98/05/07	11:02:55	000:31:00	73.16 DEG F	75.83 PSIG
120	98/05/07	11:03:25	000:31:30	73.82 DEG F	75.99 PSIG
121	98/05/07	11:03:55	000:32:00	74.42 DEG F	76.29 PSIG
D 122	98/05/07	11:04:25	000:32:30	74.98 DEG F	76.87 PSIG
** Flag Point D					
2000'					

ALPINE SUBSURFACE ELECTRONICS PROBE DATA LISTING

TEST: Pressure Test Suiter "C"

DATE: 05/07/98

TIME: 10:31:55

PAGE: 002

Sample	Date	Time	Relative Seconds	Temperature		Pressure	
				DEG F		PSIg	
123	98/05/07	11:04:55	000:33:00	75.52	DEG F	76.85	PSIg
124	98/05/07	11:05:25	000:33:30	76.09	DEG F	77.31	PSIg
125	98/05/07	11:05:55	000:34:00	76.68	DEG F	77.09	PSIg
126	98/05/07	11:06:25	000:34:30	77.30	DEG F	77.09	PSIg
127	98/05/07	11:06:55	000:35:00	77.91	DEG F	77.41	PSIg
E 128	98/05/07	11:07:25	000:35:30	78.48	DEG F	77.91	PSIg
** Flag Point E							
2500'							
129	98/05/07	11:07:55	000:36:00	79.01	DEG F	77.87	PSIg
130	98/05/07	11:08:25	000:36:30	79.51	DEG F	77.93	PSIg
131	98/05/07	11:08:55	000:37:00	80.02	DEG F	81.41	PSIg
132	98/05/07	11:09:25	000:37:30	80.63	DEG F	96.92	PSIg
133	98/05/07	11:09:55	000:38:00	81.52	DEG F	96.76	PSIg
134	98/05/07	11:10:25	000:38:30	82.73	DEG F	93.37	PSIg
135	98/05/07	11:10:55	000:39:00	84.08	DEG F	97.28	PSIg
136	98/05/07	11:11:25	000:39:30	85.42	DEG F	94.25	PSIg
F 137	98/05/07	11:11:55	000:40:00	86.64	DEG F	93.41	PSIg
** Flag Point F							
3000'							
138	98/05/07	11:12:25	000:40:30	87.69	DEG F	98.08	PSIg
139	98/05/07	11:12:55	000:41:00	88.58	DEG F	110.85	PSIg
140	98/05/07	11:13:25	000:41:30	89.40	DEG F	138.15	PSIg
141	98/05/07	11:13:55	000:42:00	90.30	DEG F	149.43	PSIg
142	98/05/07	11:14:25	000:42:30	91.44	DEG F	152.93	PSIg
143	98/05/07	11:14:55	000:43:00	92.81	DEG F	150.27	PSIg
G 144	98/05/07	11:15:25	000:43:30	94.24	DEG F	148.25	PSIg
** Flag Point G							
3500							
145	98/05/07	11:15:55	000:44:00	95.59	DEG F	148.83	PSIg
146	98/05/07	11:16:25	000:44:30	96.79	DEG F	149.95	PSIg
147	98/05/07	11:16:55	000:45:00	97.82	DEG F	154.53	PSIg
148	98/05/07	11:17:25	000:45:30	98.70	DEG F	164.11	PSIg
149	98/05/07	11:17:55	000:46:00	99.49	DEG F	194.63	PSIg
150	98/05/07	11:18:25	000:46:30	100.38	DEG F	214.46	PSIg
H 151	98/05/07	11:18:55	000:47:00	101.50	DEG F	213.15	PSIg
** Flag Point H							
3650'							
152	98/05/07	11:19:25	000:47:30	102.79	DEG F	213.79	PSIg
153	98/05/07	11:19:55	000:48:00	104.10	DEG F	215.78	PSIg
154	98/05/07	11:20:25	000:48:30	105.32	DEG F	215.16	PSIg
155	98/05/07	11:20:55	000:49:00	106.39	DEG F	216.70	PSIg
156	98/05/07	11:21:25	000:49:30	107.31	DEG F	233.30	PSIg
157	98/05/07	11:21:55	000:50:00	108.14	DEG F	235.14	PSIg
I 158	98/05/07	11:22:25	000:50:30	108.95	DEG F	235.60	PSIg
** Flag Point I							
3800'							
159	98/05/07	11:22:55	000:51:00	109.74	DEG F	235.72	PSIg
160	98/05/07	11:23:25	000:51:30	110.47	DEG F	235.86	PSIg
161	98/05/07	11:23:55	000:52:00	111.13	DEG F	236.19	PSIg
162	98/05/07	11:24:25	000:52:30	111.71	DEG F	254.59	PSIg
J 163	98/05/07	11:24:55	000:53:00	112.30	DEG F	256.21	PSIg

ALPINE SUBSURFACE ELECTRONICS PROBE DATA LISTING

TEST: Pressure Test Suiter "C"

DATE: 05/07/98

TIME: 10:31:55

PAGE: 003

Sample	Date	Time	Relative Seconds	Temperature DEG F	Pressure PSIg
** Flag Point J					
3950'					
164	98/05/07	11:25:25	000:53:30	112.98 DEG F	256.19 PSIG
165	98/05/07	11:25:55	000:54:00	113.71 DEG F	263.00 PSIG
166	98/05/07	11:26:25	000:54:30	114.42 DEG F	262.80 PSIG
167	98/05/07	11:26:55	000:55:00	115.04 DEG F	263.04 PSIG
168	98/05/07	11:27:25	000:55:30	115.59 DEG F	275.62 PSIG
K 169	98/05/07	11:27:55	000:56:00	116.12 DEG F	275.26 PSIG
** Flag Point K					
4100'					
170	98/05/07	11:28:25	000:56:30	116.67 DEG F	275.14 PSIG
171	98/05/07	11:28:55	000:57:00	117.22 DEG F	275.24 PSIG
172	98/05/07	11:29:25	000:57:30	117.73 DEG F	275.60 PSIG
173	98/05/07	11:29:55	000:58:00	118.18 DEG F	275.48 PSIG
174	98/05/07	11:30:25	000:58:30	118.57 DEG F	286.57 PSIG
175	98/05/07	11:30:55	000:59:00	118.95 DEG F	288.56 PSIG
176	98/05/07	11:31:25	000:59:30	119.38 DEG F	288.48 PSIG
L 177	98/05/07	11:36:55	001:05:00	122.44 DEG F	306.24 PSIG
** Flag Point L					
4149' TD					
178	98/05/07	11:41:55	001:10:00	122.97 DEG F	286.27 PSIG
M 179	98/05/07	11:46:55	001:15:00	122.36 DEG F	288.24 PSIG
** Flag Point M					
shutin well					
180	98/05/07	11:51:55	001:20:00	122.19 DEG F	287.98 PSIG
181	98/05/07	11:56:55	001:25:00	121.82 DEG F	287.23 PSIG
182	98/05/07	12:01:55	001:30:00	121.51 DEG F	286.89 PSIG
Print every 3 samples					
185	98/05/07	12:16:55	001:45:00	121.26 DEG F	285.21 PSIG
188	98/05/07	12:31:55	002:00:00	121.62 DEG F	287.25 PSIG
191	98/05/07	12:46:55	002:15:00	121.81 DEG F	288.02 PSIG
194	98/05/07	13:01:55	002:30:00	121.89 DEG F	288.12 PSIG
197	98/05/07	13:16:55	002:45:00	121.96 DEG F	288.22 PSIG
200	98/05/07	13:46:55	003:15:00	122.05 DEG F	288.42 PSIG
203	98/05/07	14:31:55	004:00:00	122.14 DEG F	288.60 PSIG
206	98/05/07	15:16:55	004:45:00	122.18 DEG F	288.76 PSIG
209	98/05/07	16:01:55	005:30:00	122.22 DEG F	288.88 PSIG
212	98/05/07	16:46:55	006:15:00	122.24 DEG F	289.04 PSIG
215	98/05/07	18:31:55	008:00:00	122.27 DEG F	289.38 PSIG
216	98/05/07	19:31:55	009:00:00	122.29 DEG F	289.50 PSIG
Print every sample					
217	98/05/07	20:31:55	010:00:00	122.29 DEG F	289.64 PSIG
218	98/05/07	21:31:55	011:00:00	122.30 DEG F	289.78 PSIG
219	98/05/07	22:31:55	012:00:00	122.31 DEG F	289.90 PSIG
220	98/05/07	23:31:55	013:00:00	122.32 DEG F	290.00 PSIG
221	98/05/08	00:31:55	014:00:00	122.32 DEG F	290.14 PSIG
222	98/05/08	01:31:55	015:00:00	122.32 DEG F	290.18 PSIG
223	98/05/08	02:31:55	016:00:00	122.33 DEG F	290.34 PSIG
224	98/05/08	03:31:55	017:00:00	122.34 DEG F	290.40 PSIG
225	98/05/08	04:31:55	018:00:00	122.34 DEG F	290.50 PSIG
226	98/05/08	05:31:55	019:00:00	122.34 DEG F	290.58 PSIG

ALPINE SUBSURFACE ELECTRONICS PROBE DATA LISTING

TEST: Pressure Test Suiter "C"

DATE: 05/07/98

TIME: 10:31:55

PAGE: 004

Sample	Date	Time	Relative Seconds	Temperature		Pressure	
				DEG F		PSIg	
227	98/05/08	06:31:55	020:00:00	122.34	DEG F	290.68	PSIg
228	98/05/08	07:31:55	021:00:00	122.35	DEG F	290.76	PSIg
229	98/05/08	08:31:55	022:00:00	122.35	DEG F	290.82	PSIg
230	98/05/08	09:31:55	023:00:00	122.35	DEG F	290.92	PSIg
231	98/05/08	14:31:55	028:00:00	122.35	DEG F	291.34	PSIg
232	98/05/08	18:31:55	032:00:00	122.36	DEG F	291.58	PSIg
233	98/05/08	22:31:55	036:00:00	122.37	DEG F	291.82	PSIg
234	98/05/09	02:31:55	040:00:00	122.37	DEG F	292.02	PSIg
235	98/05/09	06:31:55	044:00:00	122.48	DEG F	298.49	PSIg
236	98/05/09	10:31:55	048:00:00	122.47	DEG F	299.53	PSIg
237	98/05/09	14:31:55	052:00:00	122.48	DEG F	299.77	PSIg
238	98/05/09	18:31:55	056:00:00	122.48	DEG F	299.81	PSIg
239	98/05/09	22:31:55	060:00:00	122.49	DEG F	299.93	PSIg
240	98/05/10	02:31:55	064:00:00	122.49	DEG F	300.07	PSIg
241	98/05/10	06:31:55	068:00:00	122.48	DEG F	300.21	PSIg
242	98/05/10	10:31:55	072:00:00	122.49	DEG F	300.37	PSIg
243	98/05/10	14:31:55	076:00:00	122.49	DEG F	300.49	PSIg
244	98/05/10	18:31:55	080:00:00	122.50	DEG F	300.67	PSIg
245	98/05/10	22:31:55	084:00:00	122.50	DEG F	300.77	PSIg
246	98/05/11	02:31:55	088:00:00	122.50	DEG F	300.91	PSIg
N 247	98/05/11	06:31:55	092:00:00	122.50	DEG F	300.97	PSIg

** Flag Point N

end of test

End of File

***** STATIC GRADIENT DATA *****

Pressure Test Suiter "C"

Date: 05/07/98

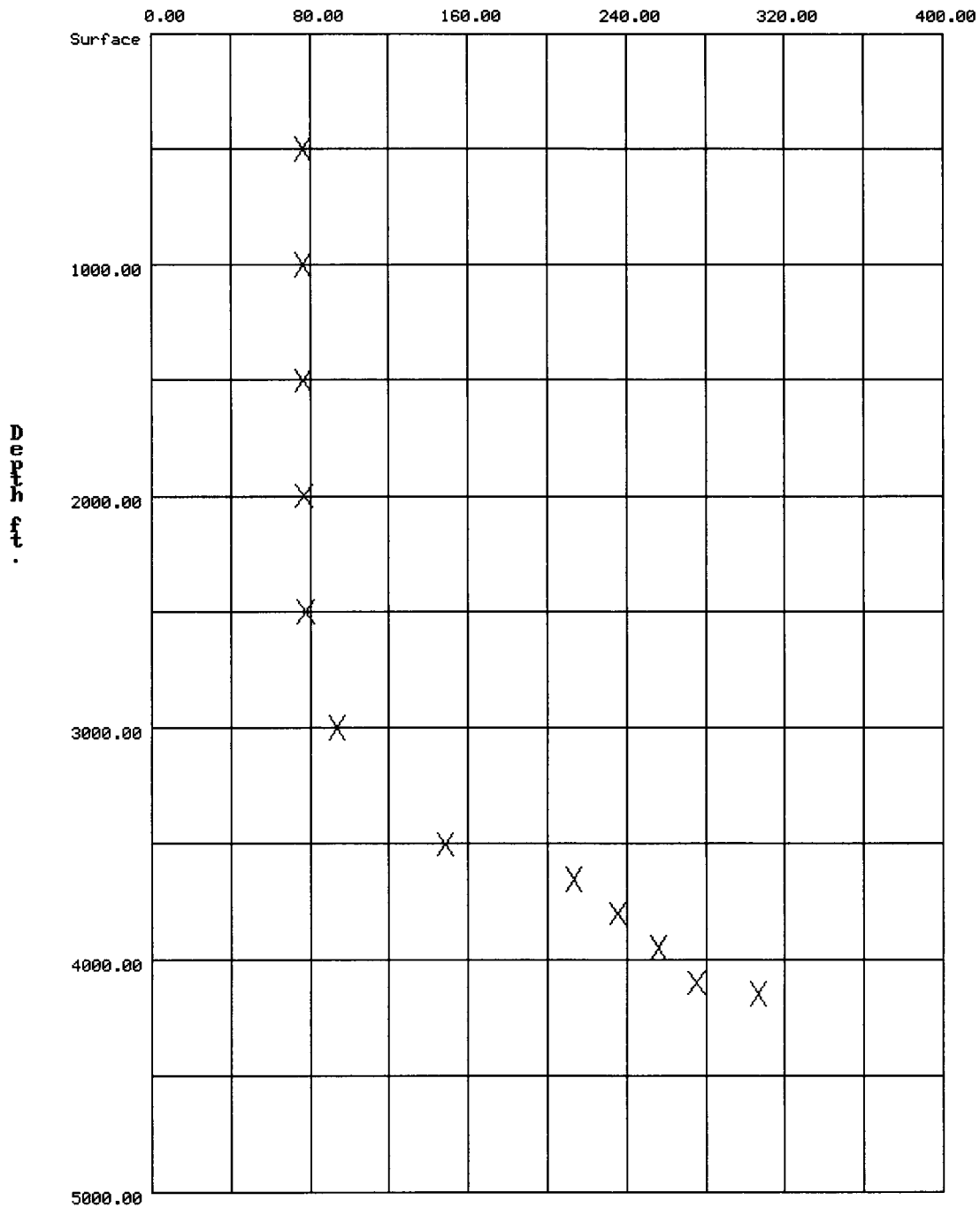
Time: 10:31:55

Depth ft.	Time From hh:mm:ss	Time To hh:mm:ss	Pressure PSIg	Gradient PSIg /ft.
500.00	10:37:25	10:39:25	76.39	0.0000
1000.00	10:48:25	10:54:55	76.33	-0.0001
1500.00	10:54:55	11:00:25	76.31	-0.0000
2000.00	11:00:25	11:04:25	76.87	0.0011
2500.00	11:04:25	11:07:25	77.91	0.0021
3000.00	11:07:25	11:11:55	93.41	0.0310
3500.00	11:11:55	11:11:55	148.25	0.1097
3650.00	11:15:25	11:18:55	213.15	0.4327
3800.00	11:18:55	11:22:25	235.60	0.1497
3950.00	11:22:25	11:24:55	256.21	0.1374
4100.00	11:24:55	11:27:55	275.26	0.1270
4149.00	11:27:55	11:36:55	306.24	0.6322

STATIC GRADIENT PLOT

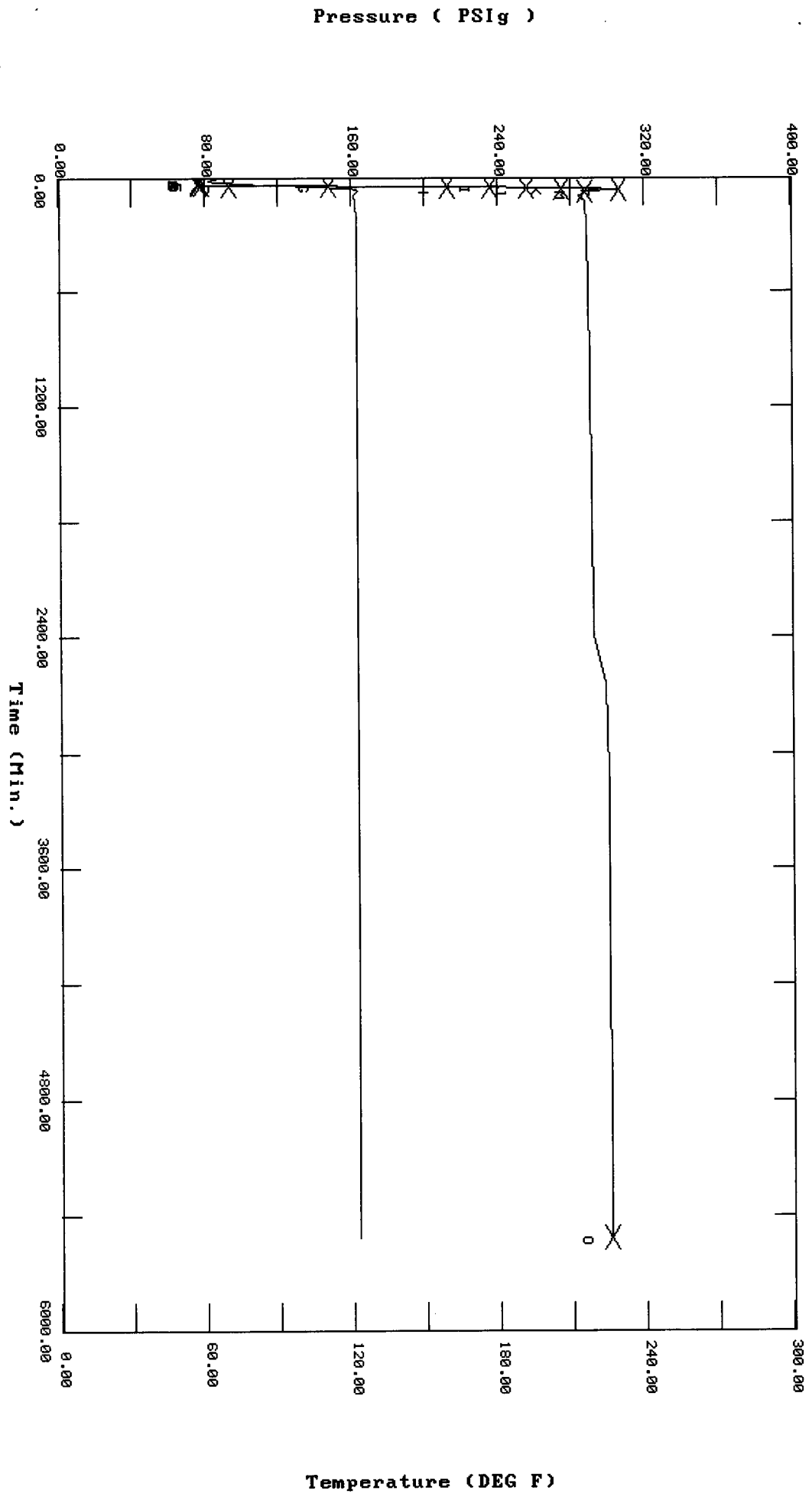
Pressure Test Suiter "C"

Pressure (PSig)



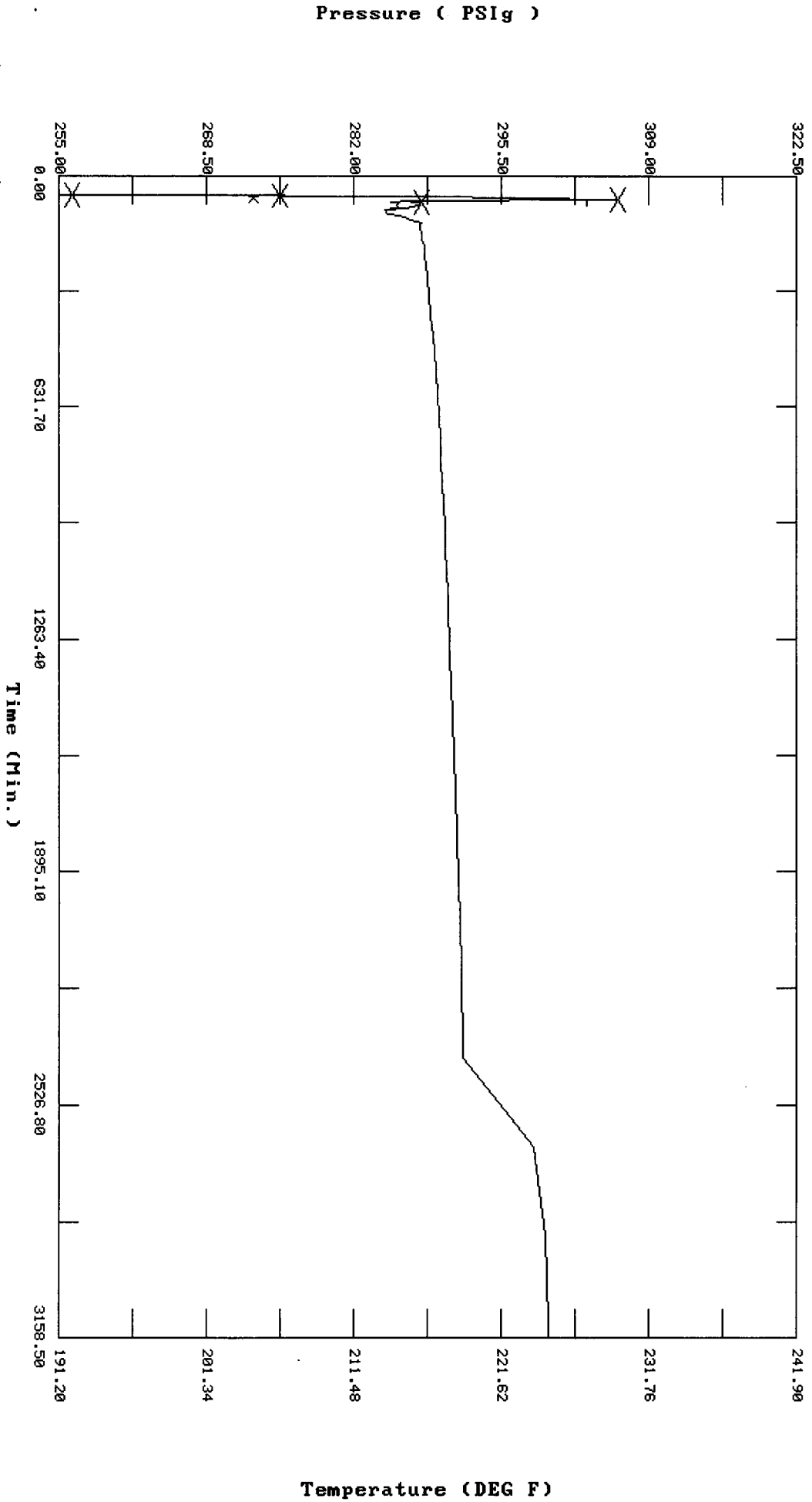
TEST HISTORY

Pressure Test Suiter "C"



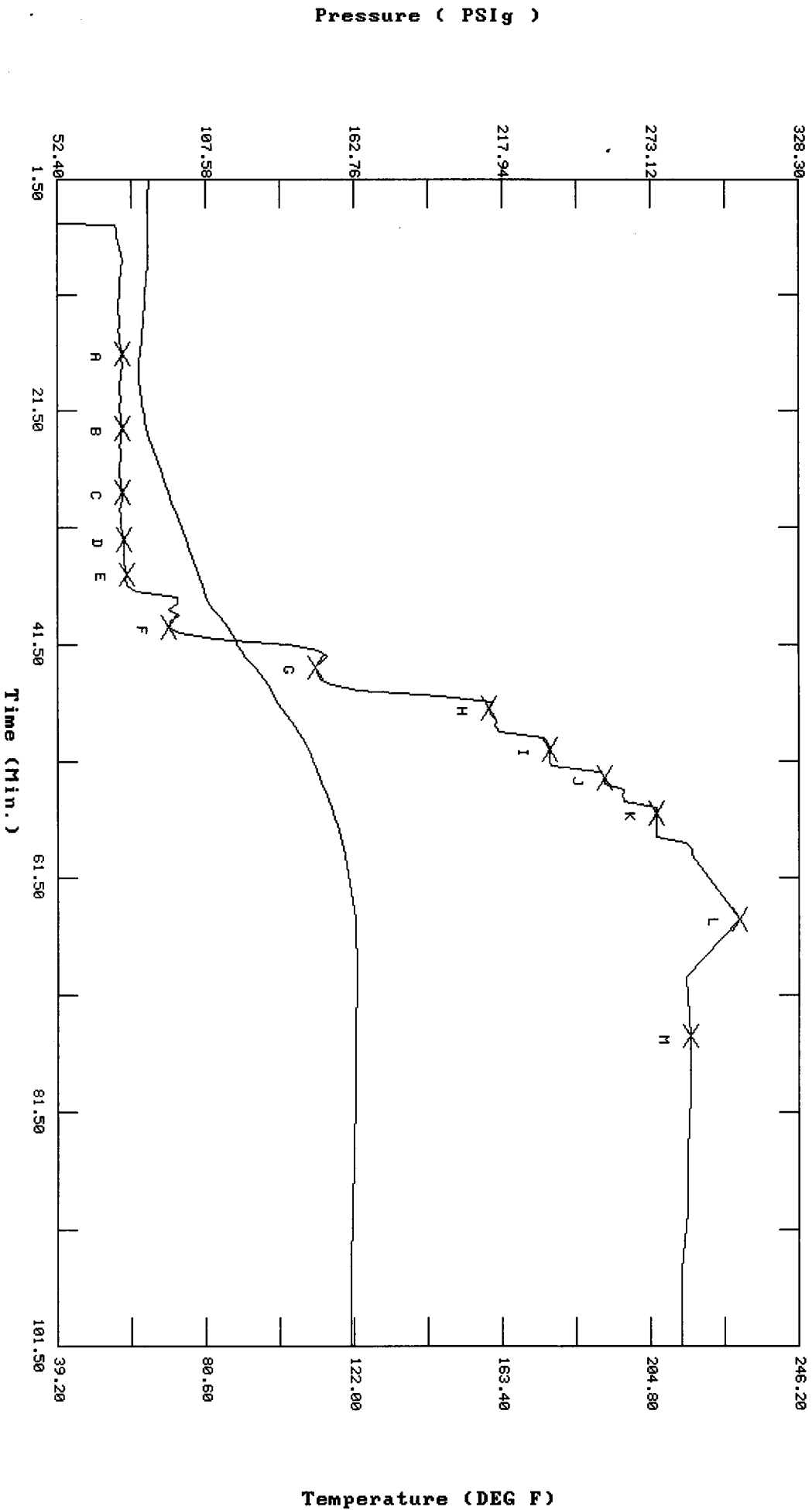
TEST HISTORY

Pressure Test Suiter "C"



TEST HISTORY

Pressure Test Suiter "C"



Horner Plot: shut-in #1

Pressure Test Suiter "C"

