

WELL NAME: Hamel #1-14
COMPANY : Griggs Oil Inc
LOCATION : Sec 14 Twp 25S Rge 09W
Reno County Kansas
DATE : 01/27/96

TRILOBITE TESTING L.L.C.

OPERATOR : Griggs Oil Inc.

DATE 01-27-96

WELL NAME: Hamel #1-14

KB 1665.00 ft

TICKET NO: 8908

DST #1

LOCATION : 14-25S-08W, Reno Cty KS

GR 1673.00 ft

FORMATION: Mississippian

INTERVAL : 3856.00 To 3876.00 ft

TD 3990.00 ft

TEST TYPE: CONV--STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	24174	24174	2351	10994		PF Fr. 0903 to 0948 hr
SI 60 Range(Psi)	3050.0	3050.0	4995.0	4200.0	0.0	IS Fr. 0948 to 1048 hr
SF 30 Clock(hrs)	AK-1	AK-1	Alpin	AK-1		SF Fr. 1048 to 1133 hr
FS 30 Depth(ft)	3870.0	3870.0	3858.0	3985.0	0.0	FS Fr. 1133 to 1233 hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	1859.0	0.0	0.0	T STARTED 0730 hr
B. First Flow	0.0	0.0	26.0	0.0	0.0	T ON BOTM 0901 hr
B1. Final Flow	0.0	0.0	67.0	0.0	0.0	T OPEN 0903 hr
C. In Shut-in	0.0	0.0	1148.0	0.0	0.0	T PULLED 1233 hr
D. Init Flow	0.0	0.0	73.0	0.0	0.0	T OUT 1430 hr
E. Final Flow	0.0	0.0	112.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	1121.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	0.0	0.0	1868.0	0.0	0.0	Tool Wt. 3000.00 lbs
Inside/Outside			I	O		Wt Set On Packer 22000.00 lbs
						Wt Pulled Loose 86000.00 lbs
						Initial Str Wt 79000.00 lbs
						Unseated Str Wt 80000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 485.00 ft
						D.P. Length 3380.00 ft

RECOVERY

Tot Fluid 185.00 ft of 185.00 ft in DC and 0.00 ft in DP
 310.00 ft of Gas in pipe
 65.00 ft of Oil specked mud
 120.00 ft of Muddy water - 85% water, 15% mud

SALINITY 41000.00 P.P.M. A.P.I. Gravity 36.00

BLOW DESCRIPTION

Initial Flow -
 .5" blow building to bottom of bucket
 in 32 minutes

Initial Shutin -
 No blow

Final Flow -
 Surface blow building to 3.5"

Final Shutin -
 No blow

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/c
Vis.	51.00 S/L
W.L.	7.00 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	121.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Paul Simpson
Co. Rep.	Kriss Kennedy
Contr.	Sterling
Rig #	4
Unit #	
Pump T.	

Test Successful: Y

TEST HISTORY

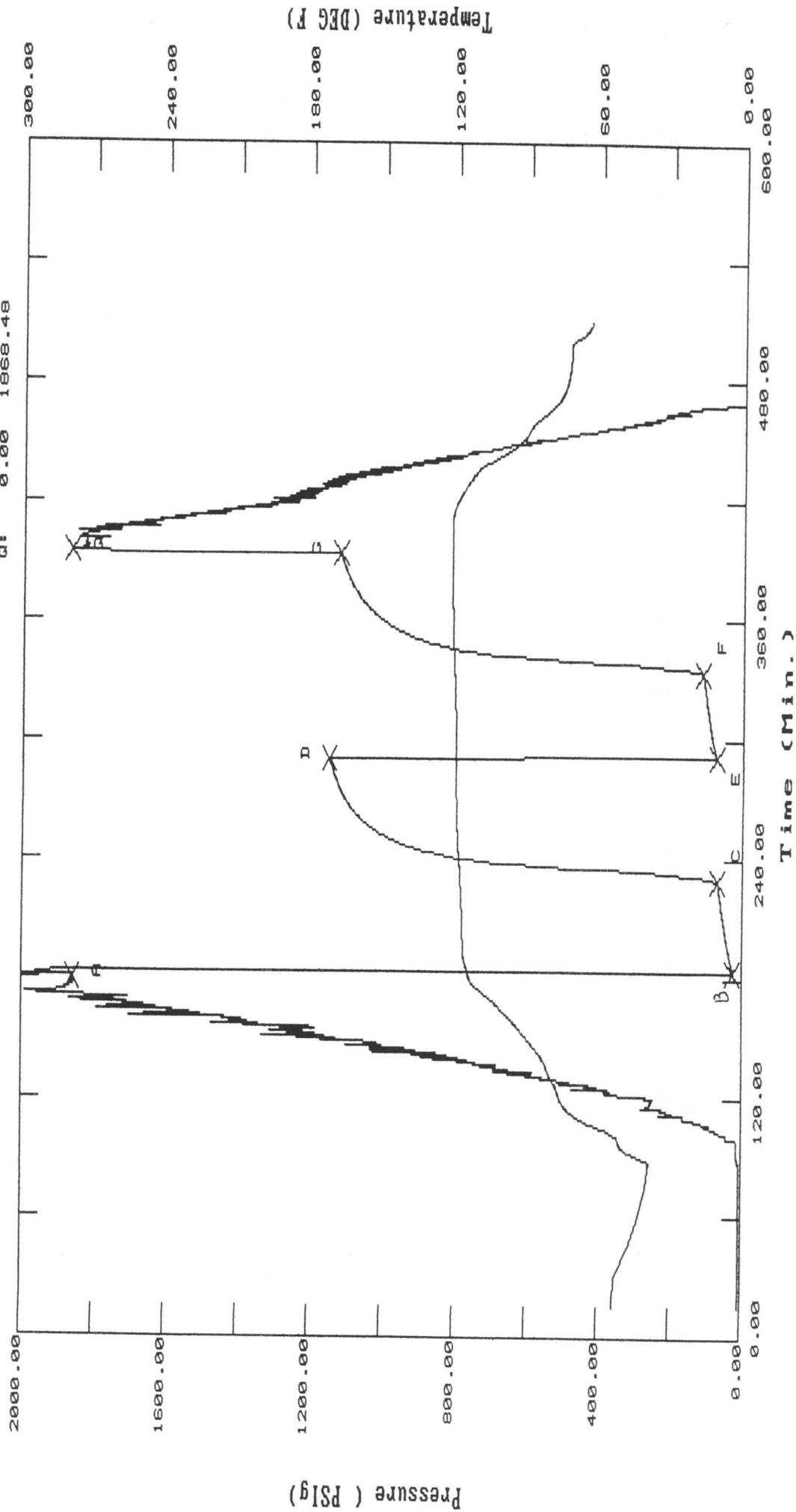
#8908 Griggs Oil Co INC. Hamel #1-14

DST #1

Flag Points

t<Min.> PC PSig>

A:	0.00	1859.08
B:	0.00	25.67
C:	45.50	67.39
D:	61.50	1148.29
E:	0.00	72.76
F:	43.00	111.53
G:	59.50	1120.76
Q:	0.00	1868.48



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: #8908 Griggs Oil Co INC. Hamel #1-14 DST #1

DATE: 01/27/96

TIME: 05:58:01

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	180.00	1859.1	0.0	113.80		
***** Start Flow 1	0.00	25.7	0.0	114.74		
	0.50	23.4	-2.3	114.85		
	1.00	23.7	-1.9	114.95		
	1.50	24.4	-1.3	115.06		
	2.00	25.2	-0.5	115.17		
	2.50	26.0	0.3	115.30		
	3.00	27.4	1.7	115.43		
	3.50	27.5	1.8	115.55		
	4.00	28.3	2.6	115.66		
	4.50	29.3	3.6	115.77		
	5.00	30.0	4.3	115.87		
	5.50	30.5	4.8	115.95		
	6.00	31.2	5.5	116.03		
	6.50	31.8	6.1	116.10		
	7.00	32.8	7.1	116.16		
	7.50	33.6	7.9	116.22		
	8.00	34.2	8.5	116.26		
	8.50	34.6	8.9	116.30		
	9.00	35.3	9.7	116.35		
	9.50	35.7	10.1	116.38		
	10.00	36.4	10.7	116.41		
	10.50	36.9	11.2	116.44		
	11.00	37.7	12.0	116.47		
	11.50	37.9	12.3	116.49		
	12.00	38.6	12.9	116.52		
	12.50	39.2	13.5	116.54		
	13.00	39.9	14.2	116.56		
	13.50	40.4	14.7	116.58		
	14.00	40.8	15.1	116.60		
	14.50	41.5	15.8	116.62		
	15.00	42.2	16.5	116.64		
	15.50	42.5	16.9	116.66		
	16.00	43.0	17.3	116.67		
	16.50	43.5	17.8	116.70		
	17.00	43.7	18.0	116.71		
	17.50	44.2	18.5	116.72		
	18.00	44.7	19.1	116.74		
	18.50	45.1	19.5	116.75		
	19.00	45.6	20.0	116.77		
	19.50	46.1	20.4	116.78		
	20.00	46.7	21.0	116.80		
	20.50	47.1	21.4	116.81		
	21.00	47.5	21.8	116.83		
	21.50	48.2	22.6	116.84		
	22.00	48.4	22.7	116.85		
	22.50	48.9	23.2	116.87		
	23.00	49.3	23.7	116.88		
	23.50	49.9	24.3	116.90		
	24.00	50.3	24.7	116.91		
	24.50	50.9	25.3	116.93		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

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	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	25.00	51.1	25.4	116.95		
	25.50	51.7	26.0	116.96		
	26.00	52.0	26.4	116.97		
	26.50	52.5	26.9	116.99		
	27.00	52.8	27.1	117.01		
	27.50	53.4	27.7	117.03		
	28.00	53.8	28.1	117.04		
	28.50	54.3	28.6	117.06		
	29.00	54.7	29.0	117.08		
	29.50	55.1	29.5	117.10		
	30.00	55.5	29.8	117.12		
	30.50	55.9	30.2	117.14		
	31.00	57.0	31.3	117.16		
	31.50	57.4	31.7	117.18		
	32.00	57.5	31.8	117.19		
	32.50	57.8	32.1	117.22		
	33.00	58.2	32.6	117.23		
	33.50	58.3	32.6	117.25		
	34.00	58.7	33.1	117.28		
	34.50	59.1	33.4	117.30		
	35.00	59.6	33.9	117.32		
	35.50	60.0	34.3	117.34		
	36.00	60.8	35.1	117.36		
	36.50	61.0	35.3	117.39		
	37.00	61.3	35.7	117.41		
	37.50	61.8	36.2	117.43		
	38.00	62.2	36.5	117.45		
	38.50	62.5	36.8	117.47		
	39.00	62.9	37.2	117.50		
	39.50	63.3	37.6	117.52		
	40.00	63.8	38.1	117.54		
	40.50	64.2	38.5	117.57		
	41.00	64.5	38.9	117.59		
	41.50	65.0	39.3	117.61		
	42.00	65.5	39.8	117.64		
	42.50	65.8	40.1	117.66		
	43.00	66.0	40.4	117.69		
	43.50	66.5	40.9	117.71		
	44.00	66.9	41.2	117.73		
	44.50	67.0	41.3	117.75		
	45.00	67.1	41.5	117.78		
***** End Flow 1	45.50	67.4	41.7	117.80		
***** Start Shutin 1	0.00	67.4	0.0	117.80	0.0000	0.005
	0.50	76.9	9.5	117.82	92.0000	0.006
	1.00	88.5	21.1	117.86	46.5000	0.008
	1.50	102.2	34.8	117.88	31.3333	0.010
	2.00	118.5	51.1	117.90	23.7500	0.014
	2.50	138.0	70.6	117.93	19.2000	0.019
	3.00	161.9	94.5	117.95	16.1667	0.026
	3.50	190.9	123.5	117.98	14.0000	0.036
	4.00	225.3	158.0	118.00	12.3750	0.051

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Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
4.50	266.8	199.4	118.03	11.1111	0.071
5.00	316.1	248.8	118.06	10.1000	0.10
5.50	372.3	304.9	118.09	9.2727	0.139
6.00	430.7	363.3	118.12	8.5833	0.186
6.50	487.7	420.3	118.15	8.0000	0.238
7.00	540.0	472.6	118.18	7.5000	0.292
7.50	585.8	518.4	118.21	7.0667	0.343
8.00	625.6	558.2	118.26	6.6875	0.391
8.50	660.8	593.4	118.29	6.3529	0.437
9.00	691.5	624.1	118.32	6.0556	0.478
9.50	718.3	650.9	118.36	5.7895	0.516
10.00	739.6	672.3	118.39	5.5500	0.547
10.50	759.5	692.2	118.42	5.3333	0.577
11.00	778.5	711.1	118.45	5.1364	0.606
11.50	795.8	728.4	118.49	4.9565	0.633
12.00	812.1	744.7	118.52	4.7917	0.659
12.50	827.0	759.6	118.56	4.6400	0.684
13.00	841.2	773.8	118.59	4.5000	0.708
13.50	854.5	787.1	118.62	4.3704	0.730
14.00	867.0	799.7	118.64	4.2500	0.752
14.50	878.9	811.5	118.67	4.1379	0.772
15.00	890.0	822.6	118.70	4.0333	0.792
15.50	900.3	832.9	118.73	3.9355	0.811
16.00	910.1	842.7	118.76	3.8438	0.828
16.50	919.3	851.9	118.78	3.7576	0.845
17.00	927.9	860.5	118.81	3.6765	0.861
17.50	936.1	868.7	118.84	3.6000	0.876
18.00	943.9	876.5	118.86	3.5278	0.891
18.50	951.2	883.8	118.89	3.4595	0.905
19.00	958.3	890.9	118.92	3.3947	0.918
19.50	964.9	897.5	118.94	3.3333	0.931
20.00	971.3	903.9	118.97	3.2750	0.943
20.50	977.4	910.0	118.99	3.2195	0.955
21.00	983.1	915.7	119.01	3.1667	0.967
21.50	988.7	921.3	119.02	3.1163	0.977
22.00	994.0	926.6	119.08	3.0682	0.988
22.50	999.1	931.7	119.08	3.0222	0.998
23.00	1003.9	936.6	119.10	2.9783	1.008
23.50	1008.6	941.3	119.11	2.9362	1.017
24.00	1013.2	945.8	119.14	2.8958	1.027
24.50	1017.5	950.1	119.16	2.8571	1.035
25.00	1021.7	954.3	119.18	2.8200	1.044
25.50	1025.8	958.4	119.20	2.7843	1.052
26.00	1029.7	962.3	119.21	2.7500	1.060
26.50	1033.5	966.1	119.23	2.7170	1.068
27.00	1037.1	969.7	119.26	2.6852	1.076
27.50	1040.6	973.2	119.27	2.6545	1.083
28.00	1044.1	976.7	119.29	2.6250	1.090
28.50	1047.2	979.9	119.31	2.5965	1.097
29.00	1050.4	983.0	119.33	2.5690	1.103
29.50	1053.5	986.2	119.34	2.5424	1.110

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: #8908 Griggs Oil Co INC. Hamel #1-14 DST #1

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Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
30.00	1056.5	989.1	119.36	2.5167	1.116
30.50	1059.4	992.0	119.36	2.4918	1.122
31.00	1062.2	994.8	119.40	2.4677	1.128
31.50	1065.0	997.6	119.41	2.4444	1.134
32.00	1067.6	1000.2	119.42	2.4219	1.140
32.50	1070.2	1002.8	119.44	2.4000	1.145
33.00	1072.7	1005.3	119.45	2.3788	1.151
33.50	1075.1	1007.7	119.47	2.3582	1.156
34.00	1077.4	1010.0	119.49	2.3382	1.161
34.50	1079.6	1012.3	119.49	2.3188	1.166
35.00	1081.9	1014.5	119.50	2.3000	1.171
35.50	1084.1	1016.7	119.53	2.2817	1.175
36.00	1086.2	1018.8	119.53	2.2639	1.180
36.50	1088.3	1020.9	119.55	2.2466	1.184
37.00	1090.3	1022.9	119.57	2.2297	1.189
37.50	1092.1	1024.7	119.58	2.2133	1.193
38.00	1093.7	1026.4	119.59	2.1974	1.196
38.50	1095.8	1028.4	119.60	2.1818	1.201
39.00	1097.7	1030.3	119.62	2.1667	1.205
39.50	1099.4	1032.1	119.64	2.1519	1.209
40.00	1101.1	1033.7	119.65	2.1375	1.212
40.50	1102.7	1035.3	119.65	2.1235	1.216
41.00	1104.4	1037.0	119.67	2.1098	1.220
41.50	1106.0	1038.6	119.67	2.0964	1.223
42.00	1107.5	1040.1	119.69	2.0833	1.227
42.50	1109.1	1041.7	119.70	2.0706	1.230
43.00	1110.5	1043.1	119.70	2.0581	1.233
43.50	1112.0	1044.6	119.72	2.0460	1.236
44.00	1113.4	1046.0	119.73	2.0341	1.240
44.50	1114.8	1047.4	119.75	2.0225	1.243
45.00	1116.1	1048.8	119.76	2.0111	1.246
45.50	1117.5	1050.1	119.77	2.0000	1.249
46.00	1118.7	1051.4	119.78	1.9891	1.252
46.50	1120.1	1052.7	119.79	1.9785	1.255
47.00	1121.2	1053.8	119.80	1.9681	1.257
47.50	1122.4	1055.1	119.80	1.9579	1.260
48.00	1123.7	1056.3	119.81	1.9479	1.263
48.50	1124.8	1057.4	119.82	1.9381	1.265
49.00	1126.0	1058.6	119.84	1.9286	1.268
49.50	1127.1	1059.8	119.87	1.9192	1.270
50.00	1128.1	1060.8	119.85	1.9100	1.273
50.50	1129.2	1061.9	119.85	1.9010	1.275
51.00	1130.2	1062.9	119.87	1.8922	1.277
51.50	1131.3	1063.9	119.88	1.8835	1.280
52.00	1132.3	1064.9	119.89	1.8750	1.282
52.50	1133.3	1065.9	119.90	1.8667	1.284
53.00	1134.3	1066.9	119.91	1.8585	1.287
53.50	1135.2	1067.8	119.91	1.8505	1.289
54.00	1136.2	1068.8	119.91	1.8426	1.291
54.50	1137.0	1069.7	119.93	1.8349	1.293
55.00	1137.9	1070.5	119.94	1.8273	1.295

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	55.50	1138.8	1071.4	119.95	1.8198	1.297
	56.00	1139.7	1072.3	119.96	1.8125	1.299
	56.50	1140.6	1073.2	119.97	1.8053	1.301
	57.00	1141.4	1074.0	119.97	1.7982	1.303
	57.50	1142.2	1074.9	119.99	1.7913	1.305
	58.00	1143.0	1075.6	119.99	1.7845	1.306
	58.50	1143.8	1076.4	120.01	1.7778	1.308
	59.00	1144.6	1077.2	120.01	1.7712	1.310
	59.50	1145.4	1078.0	120.01	1.7647	1.312
	60.00	1146.0	1078.6	120.02	1.7583	1.313
	60.50	1146.9	1079.5	120.02	1.7521	1.315
***** End Shut-in 1	61.00	1147.6	1080.2	120.03	1.7459	1.317
	61.50	1148.3	1080.9	120.04	1.7398	1.319
***** Start Flow 2	0.00	72.8	0.0	120.03		
	0.50	73.2	0.4	120.02		
	1.00	73.5	0.8	120.01		
	1.50	74.2	1.4	119.99		
	2.00	75.1	2.3	119.98		
	2.50	75.9	3.1	119.96		
	3.00	76.5	3.8	119.94		
	3.50	77.3	4.5	119.93		
	4.00	78.1	5.4	119.91		
	4.50	78.7	6.0	119.90		
	5.00	79.4	6.6	119.90		
	5.50	80.2	7.5	119.88		
	6.00	80.7	8.0	119.88		
	6.50	81.5	8.7	119.88		
	7.00	82.1	9.3	119.87		
	7.50	82.7	10	119.86		
	8.00	83.4	10.7	119.87		
	8.50	84.0	11.2	119.87		
	9.00	84.6	11.8	119.87		
	9.50	85.3	12.6	119.87		
	10.00	85.6	12.8	119.88		
	10.50	86.3	13.5	119.88		
	11.00	86.8	14.0	119.89		
	11.50	87.3	14.5	119.89		
	12.00	87.9	15.1	119.90		
	12.50	88.0	15.3	119.91		
	13.00	88.5	15.7	119.92		
	13.50	88.8	16.0	119.92		
	14.00	89.3	16.5	119.93		
	14.50	89.6	16.9	119.95		
	15.00	90.0	17.3	119.95		
	15.50	90.5	17.8	119.97		
	16.00	91.1	18.3	119.98		
	16.50	91.6	18.8	119.99		
	17.00	91.9	19.1	120.00		
	17.50	92.4	19.6	120.01		
	18.00	92.8	20.1	120.02		
	18.50	93.2	20.4	120.03		

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19.00	93.7	21.0	120.05		
19.50	94.2	21.4	120.06		
20.00	94.4	21.7	120.07		
20.50	95.0	22.2	120.08		
21.00	95.4	22.7	120.10		
21.50	95.8	23.0	120.11		
22.00	96.2	23.4	120.12		
22.50	96.5	23.8	120.14		
23.00	97.1	24.3	120.15		
23.50	97.4	24.7	120.17		
24.00	97.9	25.2	120.18		
24.50	98.3	25.5	120.20		
25.00	98.6	25.8	120.21		
25.50	99.0	26.3	120.22		
26.00	99.5	26.8	120.24		
26.50	99.9	27.2	120.26		
27.00	100.2	27.4	120.27		
27.50	100.6	27.9	120.28		
28.00	101.0	28.3	120.30		
28.50	101.3	28.5	120.31		
29.00	101.7	29.0	120.32		
29.50	102.0	29.3	120.34		
30.00	102.2	29.5	120.36		
30.50	102.6	29.9	120.37		
31.00	102.9	30.1	120.38		
31.50	103.3	30.5	120.40		
32.00	103.6	30.9	120.42		
32.50	103.9	31.1	120.43		
33.00	104.4	31.6	120.44		
33.50	104.7	32.0	120.46		
34.00	105.2	32.4	120.48		
34.50	105.5	32.7	120.49		
35.00	105.9	33.2	120.50		
35.50	106.1	33.3	120.52		
36.00	106.6	33.8	120.54		
36.50	106.9	34.2	120.55		
37.00	107.2	34.4	120.57		
37.50	107.6	34.8	120.58		
38.00	108.0	35.2	120.59		
38.50	108.3	35.6	120.61		
39.00	108.7	35.9	120.62		
39.50	109.0	36.3	120.64		
40.00	109.3	36.5	120.65		
40.50	109.9	37.1	120.67		
41.00	110.1	37.3	120.68		
41.50	110.4	37.7	120.69		
42.00	110.8	38.0	120.70		
42.50	111.1	38.4	120.71		
43.00	111.5	38.8	120.73		

***** End Flow 2

***** Start Shutin 2

0.00	111.5	0.0	120.73	0.0000	0.012
0.50	124.5	12.9	120.74	178.0000	0.015

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: #8908 Griggs Oil Co INC. Hamel #1-14 DST #1
 DATE: 01/27/96 TIME: 05:58:01

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
1.00	141.7	30.2	120.76	89.5000	0.020
1.50	161.6	50.0	120.77	60.0000	0.026
2.00	183.8	72.3	120.79	45.2500	0.034
2.50	209.3	97.8	120.80	36.4000	0.044
3.00	238.4	126.9	120.82	30.5000	0.057
3.50	271.7	160.1	120.84	26.2857	0.074
4.00	309.0	197.5	120.86	23.1250	0.095
4.50	350.9	239.4	120.87	20.6667	0.123
5.00	397.1	285.6	120.90	18.7000	0.158
5.50	446.2	334.6	120.92	17.0909	0.199
6.00	496.0	384.5	120.93	15.7500	0.246
6.50	544.2	432.6	120.96	14.6154	0.296
7.00	588.8	477.3	120.98	13.6429	0.347
7.50	628.9	517.3	121.00	12.8000	0.395
8.00	663.9	552.4	121.02	12.0625	0.441
8.50	694.2	582.6	121.04	11.4118	0.482
9.00	717.9	606.4	121.06	10.8333	0.515
9.50	737.8	626.3	121.09	10.3158	0.544
10.00	755.9	644.4	121.11	9.8500	0.571
10.50	772.9	661.4	121.14	9.4286	0.597
11.00	788.6	677.0	121.15	9.0455	0.622
11.50	803.1	691.6	121.17	8.6957	0.645
12.00	816.7	705.2	121.21	8.3750	0.667
12.50	829.5	718.0	121.21	8.0800	0.688
13.00	841.5	729.9	121.23	7.8077	0.708
13.50	852.7	741.2	121.25	7.5556	0.727
14.00	863.3	751.7	121.27	7.3214	0.745
14.50	873.2	761.6	121.29	7.1034	0.762
15.00	882.6	771.0	121.31	6.9000	0.779
15.50	891.4	779.9	121.33	6.7097	0.795
16.00	899.6	788.1	121.33	6.5312	0.809
16.50	907.5	796.0	121.36	6.3636	0.824
17.00	915.1	803.5	121.37	6.2059	0.837
17.50	922.2	810.7	121.38	6.0571	0.850
18.00	928.8	817.3	121.40	5.9167	0.863
18.50	935.3	823.8	121.41	5.7838	0.875
19.00	941.4	829.9	121.43	5.6579	0.886
19.50	947.3	835.8	121.44	5.5385	0.897
20.00	952.9	841.4	121.45	5.4250	0.908
20.50	958.2	846.7	121.47	5.3171	0.918
21.00	963.4	851.9	121.48	5.2143	0.928
21.50	968.4	856.8	121.49	5.1163	0.938
22.00	973.1	861.5	121.51	5.0227	0.947
22.50	977.7	866.1	121.51	4.9333	0.956
23.00	982.1	870.6	121.52	4.8478	0.965
23.50	986.3	874.8	121.53	4.7660	0.973
24.00	990.6	879.1	121.55	4.6875	0.981
24.50	994.5	883.0	121.56	4.6122	0.989
25.00	998.3	886.8	121.56	4.5400	0.997
25.50	1002.1	890.6	121.58	4.4706	1.004
26.00	1005.7	894.2	121.58	4.4038	1.011

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: #8908 Griggs Oil Co INC. Hamel #1-14 DST #1

DATE: 01/27/96

TIME: 05:58:01

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
26.50	1009.1	897.6	121.59	4.3396	1.018
27.00	1012.6	901.0	121.61	4.2778	1.025
27.50	1015.9	904.3	121.61	4.2182	1.032
28.00	1019.0	907.5	121.62	4.1607	1.038
28.50	1022.2	910.7	121.63	4.1053	1.045
29.00	1025.1	913.6	121.64	4.0517	1.051
29.50	1028.0	916.5	121.65	4.0000	1.057
30.00	1030.9	919.3	121.65	3.9500	1.063
30.50	1033.6	922.1	121.66	3.9016	1.068
31.00	1036.2	924.7	121.67	3.8548	1.074
31.50	1038.9	927.4	121.68	3.8095	1.079
32.00	1041.5	929.9	121.68	3.7656	1.085
32.50	1043.9	932.4	121.69	3.7231	1.090
33.00	1046.3	934.8	121.70	3.6818	1.095
33.50	1048.7	937.1	121.70	3.6418	1.100
34.00	1051.0	939.5	121.71	3.6029	1.105
34.50	1053.2	941.7	121.72	3.5652	1.109
35.00	1055.4	943.9	121.74	3.5286	1.114
35.50	1057.5	946.0	121.73	3.4930	1.118
36.00	1059.6	948.0	121.74	3.4583	1.123
36.50	1061.6	950.1	121.74	3.4247	1.127
37.00	1063.7	952.2	121.76	3.3919	1.131
37.50	1065.5	954.0	121.76	3.3600	1.135
38.00	1067.5	955.9	121.77	3.3289	1.139
38.50	1069.2	957.7	121.77	3.2987	1.143
39.00	1071.1	959.5	121.78	3.2692	1.147
39.50	1072.8	961.3	121.79	3.2405	1.151
40.00	1074.6	963.1	121.78	3.2125	1.155
40.50	1076.2	964.7	121.79	3.1852	1.158
41.00	1077.9	966.3	121.80	3.1585	1.162
41.50	1079.5	967.9	121.80	3.1325	1.165
42.00	1081.1	969.5	121.81	3.1071	1.169
42.50	1082.7	971.1	121.82	3.0824	1.172
43.00	1084.2	972.6	121.82	3.0581	1.175
43.50	1085.6	974.1	121.82	3.0345	1.179
44.00	1087.1	975.6	121.84	3.0114	1.182
44.50	1088.5	977.0	121.84	2.9888	1.185
45.00	1089.9	978.3	121.83	2.9667	1.188
45.50	1091.2	979.7	121.85	2.9451	1.191
46.00	1092.6	981.1	121.85	2.9239	1.194
46.50	1093.9	982.4	121.85	2.9032	1.197
47.00	1095.2	983.6	121.87	2.8830	1.199
47.50	1096.5	985.0	121.86	2.8632	1.202
48.00	1097.7	986.2	121.87	2.8438	1.205
48.50	1098.9	987.3	121.87	2.8247	1.207
49.00	1100.1	988.6	121.88	2.8061	1.210
49.50	1101.2	989.7	121.89	2.7879	1.213
50.00	1102.4	990.9	121.89	2.7700	1.215
50.50	1103.5	991.9	121.89	2.7525	1.218
51.00	1104.6	993.1	121.89	2.7353	1.220
51.50	1105.7	994.1	121.90	2.7184	1.222

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

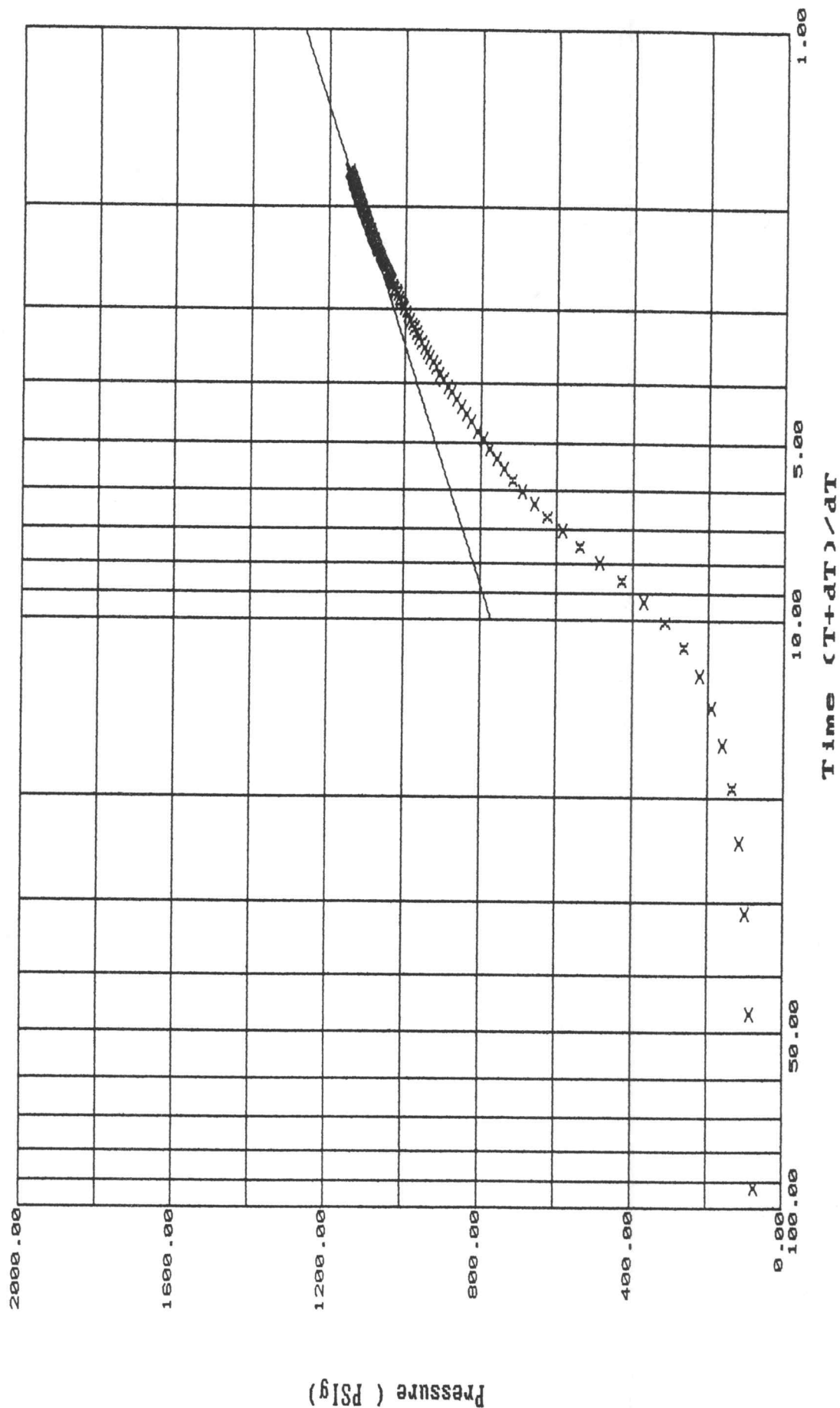
TEST: #8908 Griggs Oil Co INC. Hamel #1-14 DST #1

DATE: 01/27/96 TIME: 05:58:01

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	52.00	1106.7	995.2	121.90	2.7019	1.225
	52.50	1107.8	996.3	121.91	2.6857	1.227
	53.00	1108.8	997.3	121.91	2.6698	1.230
	53.50	1109.9	998.4	121.91	2.6542	1.232
	54.00	1110.9	999.3	121.92	2.6389	1.234
	54.50	1111.9	1000.3	121.93	2.6239	1.236
	55.00	1112.7	1001.2	121.93	2.6091	1.238
	55.50	1113.6	1002.1	121.92	2.5946	1.240
	56.00	1114.6	1003.1	121.92	2.5804	1.242
	56.50	1115.5	1003.9	121.93	2.5664	1.244
	57.00	1116.5	1005.0	121.94	2.5526	1.247
	57.50	1117.4	1005.9	121.94	2.5391	1.249
	58.00	1118.2	1006.6	121.95	2.5259	1.250
	58.50	1119.2	1007.6	121.95	2.5128	1.253
	59.00	1119.9	1008.4	122.05	2.5000	1.254
***** End Shut-in 2	59.50	1120.8	1009.2	121.95	2.4874	1.256
***** Final Hydro.	395.00	1868.5	0.0	122.00		

Horner Plot: shut-in #1 #8908 Griggs Oil Co INC. Hamel #1-14 DST #1

Slope: 495.1255 PSig/cycle
 Ext. Pressure: 1267.4988 PSig

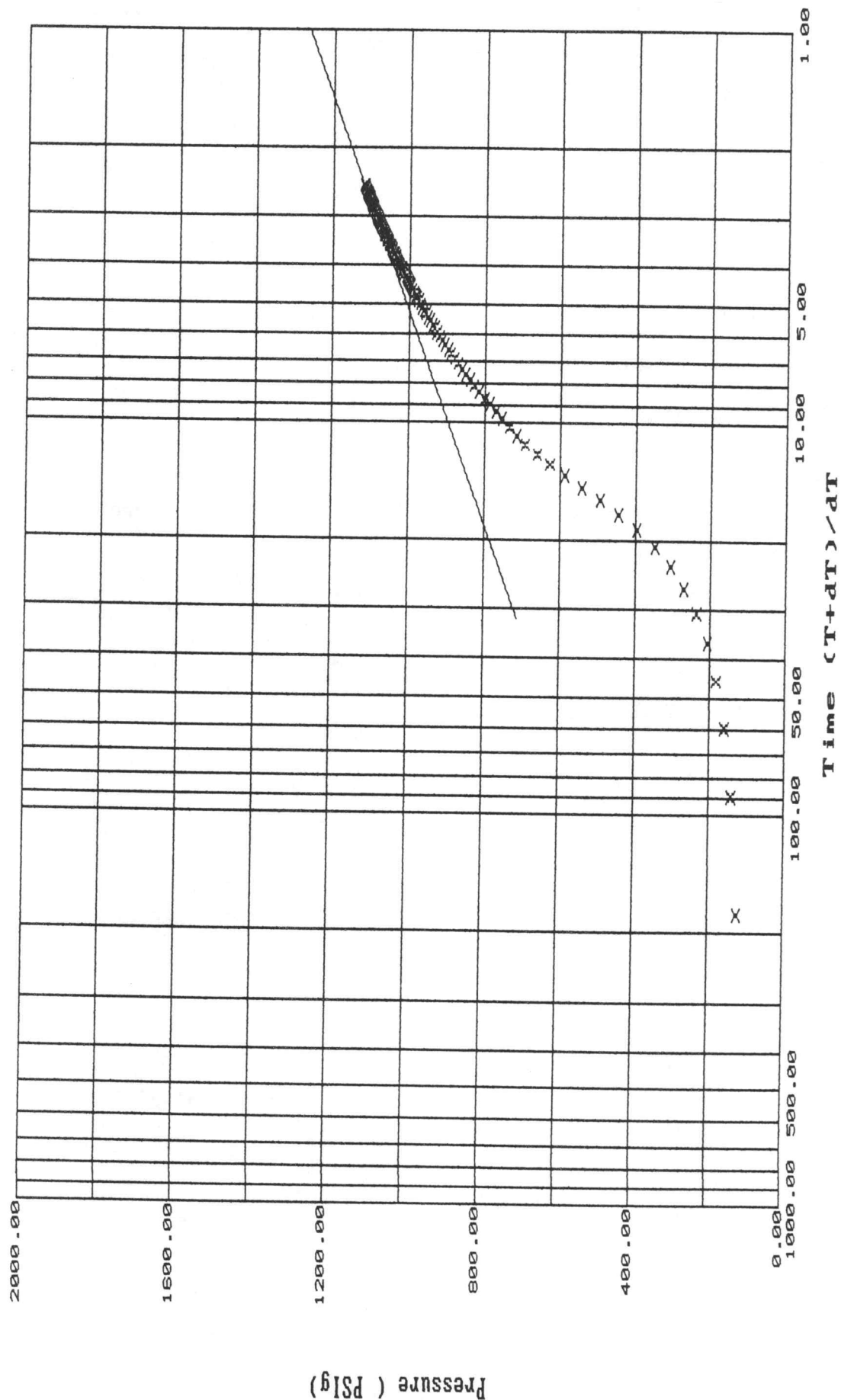


Horner Plot: shut-in #2

#8908 Griggs Oil Co INC. Hamel #1-14 DST #1

Slope: 367.9011 PSig/cycle

Ext. Pressure: 1266.3580 PSig



*** TOOL DIAGRAM *** CONV--STRADDLE

WELL NAME: Hamel #1-14

LOCATION : 14-25S-08W, Reno Cty KS

TICKET No. 8908 D.S.T. No. 1 DATE 01-27-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 22

INTERVAL TOOL 20

BOTTOM PACKERS AND ANCHOR 21

TOTAL TOOL 63

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 1 Single 1 Total 93

TOTAL ASSEMBLY 156

D.C. ABOVE TOOLS.Stands8 Single Total 485

D.P. ABOVE TOOLS.Stands54 Single 1 Total 3380

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4021

TOTAL DEPTH 3990

TOTAL DRILL PIPE ABOVE K.B. 31

REMARKS:

P.O. SUB	
C.O. SUB changeover sub	3834
S.I. TOOL Shutin tool	3840
HMV Hydraulic tool	3845
JARS Sterling	3850
SAFETY JOINT Bowen	3852
n/a	
PACKER Top Packer	3856
DEPTH 3856	
STUBB 3857	
ANCHOR	
1' perf	3858
Alpine recorder	3858
5' perf	3863
5' perf	3868
AK-1 recorder	3870
3' perf	3871
blank off sub	3872
T.C.	
DEPTH 3872	
PACKER straddle	3876
stub	3877
4' perf	3881
1 std & 1 jt pipe	
and subs to	3977
5' perf	3982
AK-1 recorder	3985
5' perf	3987
BULLNOSE 3' bull plug	
T.D.	3990

TRILOBITE TESTING L.L.C.

OPERATOR : Griggs Oil Inc.

DATE 01-27-96

WELL NAME: Hamel #1-14

KB 1665.00 ft TICKET NO: 8909 DST #2

LOCATION : 14-25S-08W, Reno Cty KS

GR 1673.00 ft FORMATION: Mississippian

INTERVAL : 3876.00 To 3896.00 ft

TD 3990.00 ft TEST TYPE: CONV--STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	24174	24174	2351	10994		PF Fr. 1658 to 1728 hr
SI 60 Range(Psi)	3050.0	3050.0	4995.0	4250.0	0.0	IS Fr. 1728 to 1758 hr
SF 30 Clock(hrs)	AK-1	AK-1	Alpin	AK-1		SF Fr. 1758 to 1828 hr
FS 30 Depth(ft)	3890.0	3890.0	3878.0	3985.0	0.0	FS Fr. 1828 to 1858 hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	1925.0	0.0	0.0	T STARTED 1530 hr
B. First Flow	0.0	0.0	20.0	0.0	0.0	T ON BOTM 1656 hr
B1. Final Flow	0.0	0.0	61.0	0.0	0.0	T OPEN 1658 hr
C. In Shut-in	0.0	0.0	1134.0	0.0	0.0	T PULLED 1858 hr
D. Init Flow	0.0	0.0	65.0	0.0	0.0	T OUT hr
E. Final Flow	0.0	0.0	94.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	1130.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	0.0	0.0	1877.0	0.0	0.0	Tool Wt. 3200.00 lbs
Inside/Outside			I	0		Wt Set On Packer 24000.00 lbs
						Wt Pulled Loose 86000.00 lbs
						Initial Str Wt 79000.00 lbs
						Unseated Str Wt 80000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 485.00 ft
						D.P. Length 3380.00 ft

RECOVERY

Tot Fluid 150.00 ft of 150.00 ft in DC and 0.00 ft in DP
 90.00 ft of Gas in pipe
 30.00 ft of Oil specked watery mud -
 3% oil, 7% water, 90% mud
 120.00 ft of Muddy water - 70% water, 30% mud

SALINITY 41000.00 P.P.M. A.P.I. Gravity 36.00

BLOW DESCRIPTION

Initial Flow -
 1" blow building to 9"

Initial Shutin -
 No blow

Final Flow -
 Surface blow building to 4"

Final Shutin -
 No blow

SAMPLES:
 SENT TO:

Test Successful: Y

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/cf
Vis.	51.00 S/L
W.L.	7.00 in3
F.C.	0.00 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	123.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Paul Simpson
Co. Rep.	Kriss Kennedy
Contr.	Sterling
Rig #	4
Unit #	
Pump T.	

TEST HISTORY

8909 Hamel #1-14 Griggs Oil Inc. DST #2

Flag Points
PC PSig>

t<Min.>	PC PSig>
A: 0.00	1925.21
B: 0.00	19.97
C: 33.00	60.84
D: 28.00	1134.28
E: 0.00	65.20
F: 28.00	94.24
G: 32.50	1129.66
Q: 0.00	1876.95

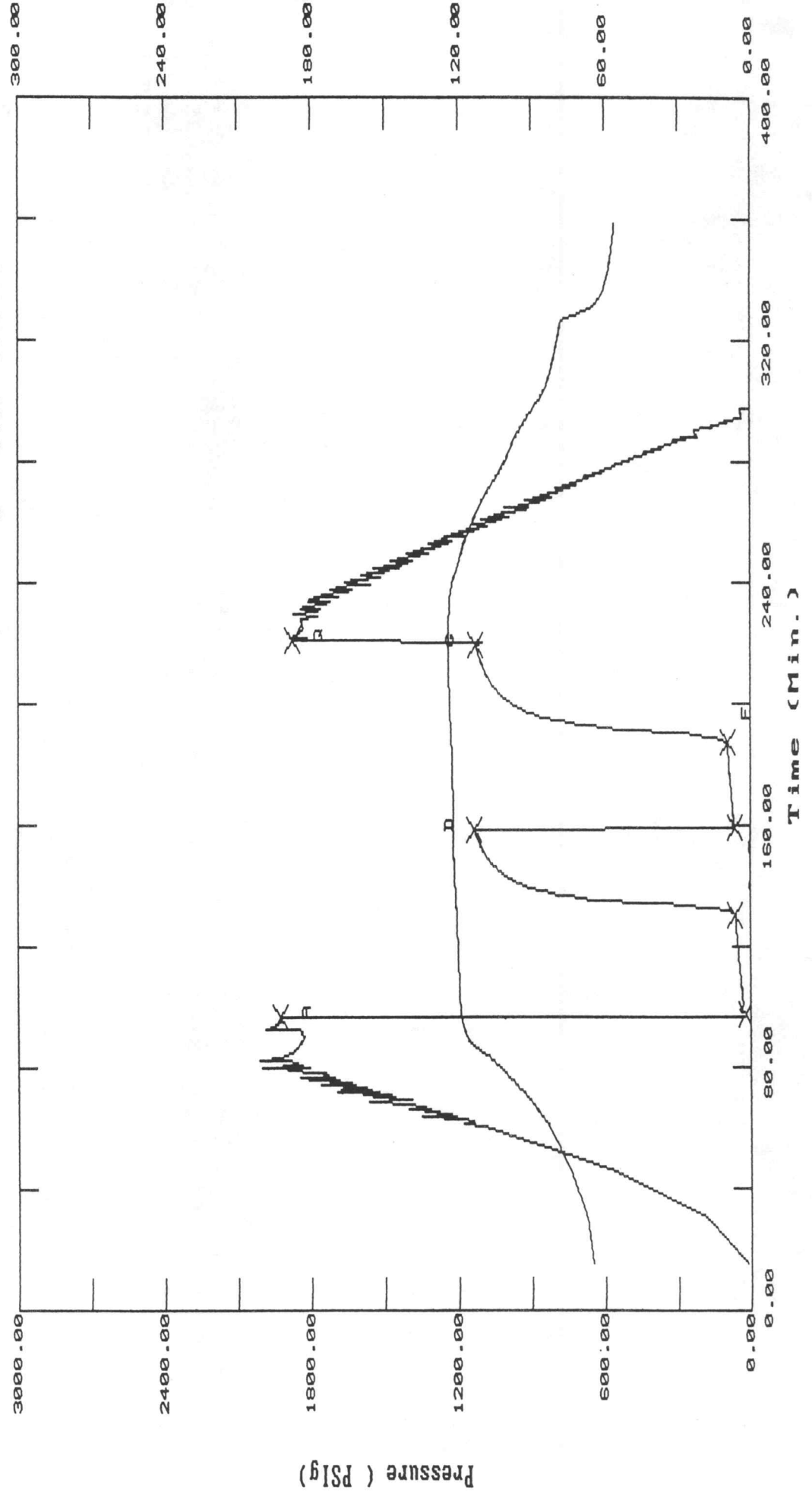
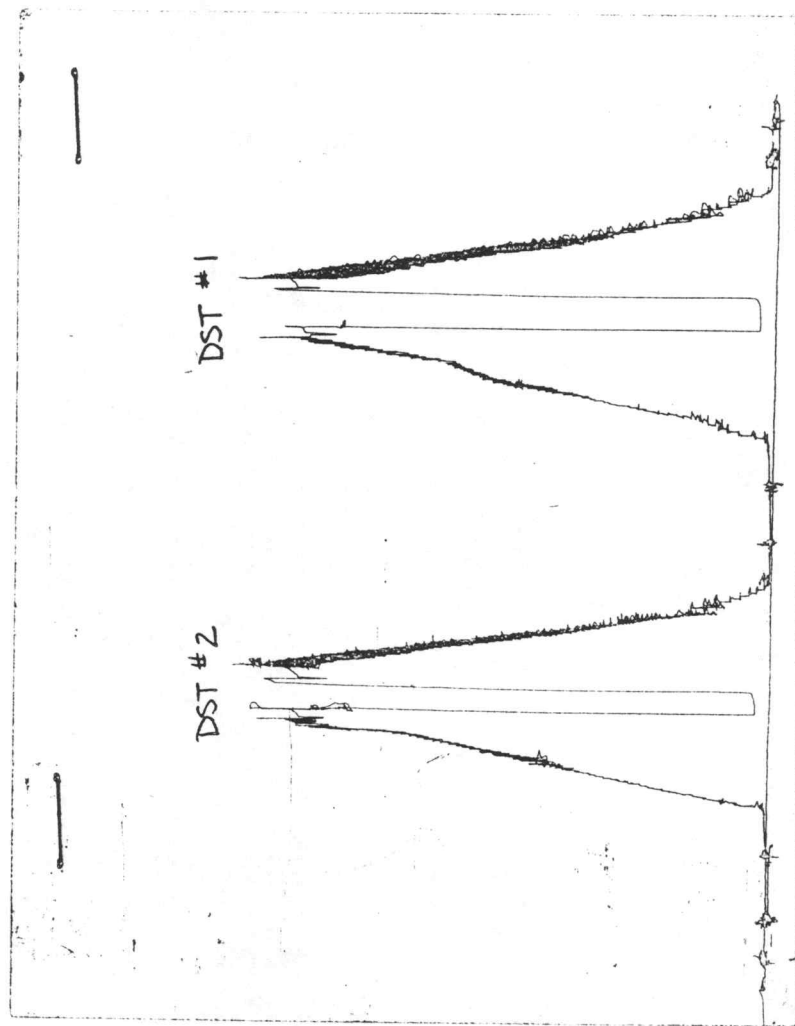
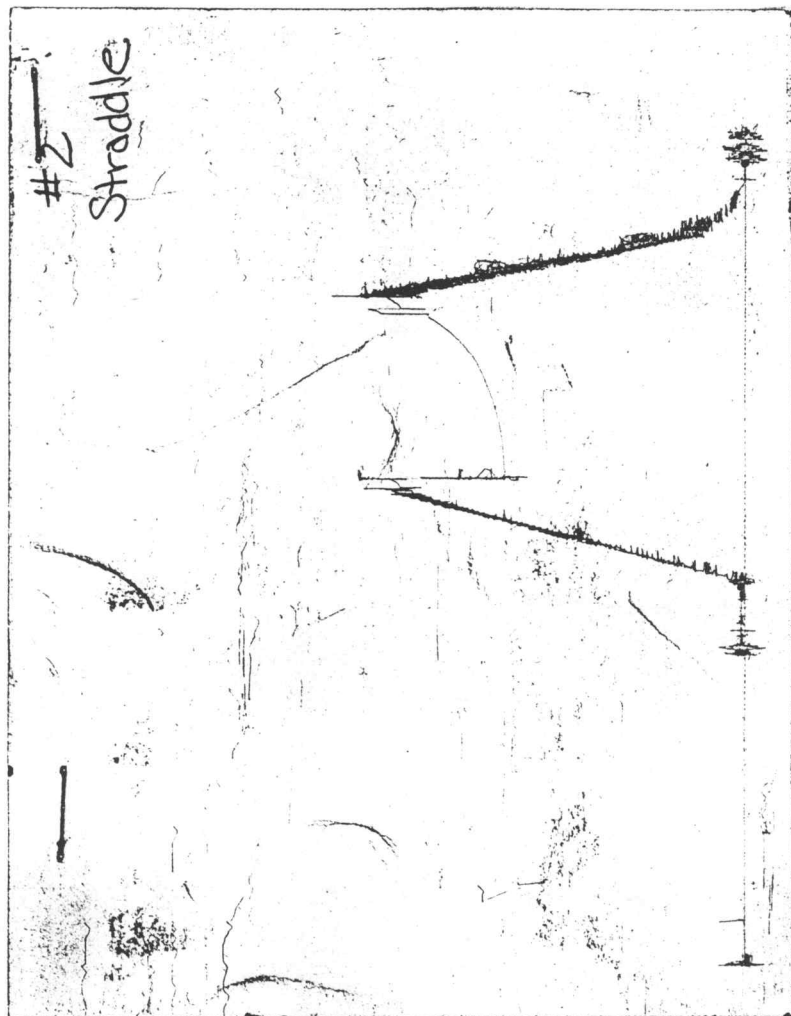


CHART PAGE



This is an actual photograph of recorder chart

CHART PAGE



This is an actual photograph of recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8909 Hamel #1-14 Griggs Oil Inc. DST #2

DATE: 01/27/96

TIME: 15:19:56

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	96.50	1925.2	0.0	118.61		
***** Start Flow 1	0.00	20.0	0.0	118.79		
	0.50	26.2	6.2	118.86		
	1.00	39.5	19.6	118.92		
	1.50	42.5	22.5	118.98		
	2.00	34.9	14.9	119.03		
	2.50	34.5	14.5	119.07		
	3.00	29.9	9.9	119.11		
	3.50	29.6	9.7	119.16		
	4.00	29.9	9.9	119.19		
	4.50	30.5	10.6	119.21		
	5.00	31.6	11.7	119.24		
	5.50	31.6	11.7	119.27		
	6.00	32.2	12.3	119.30		
	6.50	32.9	12.9	119.33		
	7.00	33.6	13.6	119.36		
	7.50	34.1	14.1	119.39		
	8.00	34.8	14.9	119.42		
	8.50	35.2	15.3	119.45		
	9.00	35.7	15.8	119.47		
	9.50	36.2	16.3	119.50		
	10.00	37.0	17.0	119.52		
	10.50	37.3	17.4	119.54		
	11.00	38.0	18.0	119.56		
	11.50	38.8	18.8	119.59		
	12.00	39.2	19.2	119.61		
	12.50	39.9	20.0	119.63		
	13.00	40.3	20.3	119.65		
	13.50	40.9	21.0	119.67		
	14.00	41.7	21.7	119.69		
	14.50	42.4	22.4	119.71		
	15.00	43.0	23.0	119.73		
	15.50	43.5	23.6	119.76		
	16.00	44.3	24.3	119.77		
	16.50	44.6	24.6	119.79		
	17.00	45.2	25.3	119.82		
	17.50	46.2	26.3	119.84		
	18.00	47.0	27.0	119.86		
	18.50	47.4	27.4	119.88		
	19.00	47.3	27.4	119.90		
	19.50	47.9	27.9	119.92		
	20.00	48.2	28.3	119.95		
	20.50	49.3	29.3	119.96		
	21.00	49.8	29.8	119.99		
	21.50	50.3	30.3	120.02		
	22.00	50.9	31.0	120.04		
	22.50	51.4	31.5	120.07		
	23.00	52.4	32.4	120.08		
	23.50	52.9	32.9	120.11		
	24.00	53.0	33.1	120.13		
	24.50	53.6	33.7	120.15		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8909 Hamel #1-14 Griggs Oil Inc. DST #2

DATE: 01/27/96

TIME: 15:19:56

	Time	Pressure PSIg	delta PSIg	P	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	25.00	54.0	34.0	120.18			
	25.50	54.5	34.5	120.20			
	26.00	55.0	35.0	120.23			
	26.50	55.6	35.6	120.25			
	27.00	56.0	36.0	120.27			
	27.50	56.4	36.4	120.30			
	28.00	56.7	36.8	120.32			
	28.50	57.3	37.3	120.34			
	29.00	57.6	37.6	120.37			
	29.50	58.0	38.0	120.39			
	30.00	58.1	38.1	120.43			
	30.50	58.5	38.5	120.44			
	31.00	59.0	39.0	120.47			
	31.50	59.6	39.6	120.50			
	32.00	59.8	39.9	120.52			
	32.50	60.3	40.4	120.55			
***** End Flow 1	33.00	60.8	40.9	120.57			
***** Start Shutin 1	0.00	60.8	0.0	120.57	0.0000	0.004	
	0.50	71.9	11.1	120.60	67.0000	0.005	
	1.00	88.1	27.3	120.63	34.0000	0.008	
	1.50	109.9	49.0	120.65	23.0000	0.012	
	2.00	141.6	80.7	120.67	17.5000	0.020	
	2.50	190.3	129.4	120.70	14.2000	0.036	
	3.00	265.7	204.9	120.73	12.0000	0.071	
	3.50	371.0	310.2	120.76	10.4286	0.138	
	4.00	478.9	418.0	120.79	9.2500	0.229	
	4.50	572.3	511.5	120.84	8.3333	0.328	
	5.00	643.6	582.8	120.87	7.6000	0.414	
	5.50	700.3	639.4	120.90	7.0000	0.490	
	6.00	745.9	685.1	120.94	6.5000	0.556	
	6.50	784.2	723.4	120.98	6.0769	0.615	
	7.00	817.2	756.4	121.02	5.7143	0.668	
	7.50	846.1	785.2	121.05	5.4000	0.716	
	8.00	870.5	809.7	121.09	5.1250	0.758	
	8.50	892.1	831.3	121.13	4.8824	0.796	
	9.00	910.8	849.9	121.16	4.6667	0.830	
	9.50	928.3	867.5	121.20	4.4737	0.862	
	10.00	943.9	883.1	121.24	4.3000	0.891	
	10.50	957.4	896.5	121.26	4.1429	0.917	
	11.00	970.5	909.7	121.29	4.0000	0.942	
	11.50	982.2	921.4	121.33	3.8696	0.965	
	12.00	992.8	931.9	121.36	3.7500	0.986	
	12.50	1002.5	941.7	121.39	3.6400	1.005	
	13.00	1011.5	950.7	121.41	3.5385	1.023	
	13.50	1019.9	959.0	121.44	3.4444	1.040	
	14.00	1027.1	966.3	121.47	3.3571	1.055	
	14.50	1033.2	972.4	121.50	3.2759	1.068	
	15.00	1041.1	980.3	121.53	3.2000	1.084	
	15.50	1047.7	986.9	121.55	3.1290	1.098	
	16.00	1053.8	992.9	121.58	3.0625	1.110	
	16.50	1059.4	998.6	121.60	3.0000	1.122	

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8909 Hamel #1-14 Griggs Oil Inc. DST #2

DATE: 01/27/96

TIME: 15:19:56

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	17.00	1064.8	1003.9	121.63	2.9412	1.134
	17.50	1069.7	1008.9	121.65	2.8857	1.144
	18.00	1074.4	1013.6	121.66	2.8333	1.154
	18.50	1078.9	1018.0	121.69	2.7838	1.164
	19.00	1083.1	1022.2	121.72	2.7368	1.173
	19.50	1087.1	1026.3	121.73	2.6923	1.182
	20.00	1091.1	1030.2	121.75	2.6500	1.190
	20.50	1094.7	1033.9	121.78	2.6098	1.198
	21.00	1098.3	1037.4	121.80	2.5714	1.206
	21.50	1101.6	1040.8	121.83	2.5349	1.214
	22.00	1104.7	1043.9	121.83	2.5000	1.220
	22.50	1107.8	1046.9	121.85	2.4667	1.227
	23.00	1110.7	1049.9	121.87	2.4348	1.234
	23.50	1113.5	1052.6	121.89	2.4043	1.240
	24.00	1116.1	1055.3	121.90	2.3750	1.246
	24.50	1118.7	1057.8	121.93	2.3469	1.251
	25.00	1121.3	1060.4	121.93	2.3200	1.257
	25.50	1123.6	1062.8	121.96	2.2941	1.263
	26.00	1125.9	1065.0	121.98	2.2692	1.268
	26.50	1128.1	1067.2	121.99	2.2453	1.273
	27.00	1130.2	1069.4	122.01	2.2222	1.277
	27.50	1132.3	1071.4	122.03	2.2000	1.282
***** End Shut-in 1	28.00	1134.3	1073.4	122.05	2.1786	1.287
***** Start Flow 2	0.00	65.2	0.0	122.03		
	0.50	66.0	0.8	122.04		
	1.00	66.3	1.1	122.04		
	1.50	67.0	1.8	122.05		
	2.00	67.7	2.5	122.05		
	2.50	68.3	3.1	122.05		
	3.00	69.0	3.8	122.05		
	3.50	69.7	4.4	122.05		
	4.00	70.3	5.1	122.06		
	4.50	70.9	5.7	122.06		
	5.00	71.4	6.2	122.06		
	5.50	71.9	6.7	122.06		
	6.00	72.5	7.3	122.07		
	6.50	72.9	7.7	122.07		
	7.00	73.8	8.6	122.07		
	7.50	74.4	9.1	122.08		
	8.00	74.9	9.7	122.09		
	8.50	75.5	10.3	122.10		
	9.00	75.9	10.7	122.10		
	9.50	76.5	11.3	122.11		
	10.00	77.2	12.0	122.13		
	10.50	77.5	12.3	122.13		
	11.00	78.3	13.1	122.14		
	11.50	78.8	13.6	122.15		
	12.00	79.4	14.2	122.17		
	12.50	79.9	14.7	122.18		
	13.00	80.5	15.3	122.19		
	13.50	81.1	15.9	122.20		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8909 Hamel #1-14 Griggs Oil Inc. DST #2

DATE: 01/27/96

TIME: 15:19:56

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
14.00	81.5	16.3	122.22		
14.50	82.2	17.0	122.23		
15.00	82.7	17.5	122.24		
15.50	82.9	17.7	122.26		
16.00	83.5	18.3	122.28		
16.50	84.2	19.0	122.29		
17.00	84.8	19.6	122.31		
17.50	85.3	20.1	122.33		
18.00	85.8	20.6	122.35		
18.50	86.3	21.1	122.37		
19.00	86.8	21.6	122.38		
19.50	87.3	22.1	122.40		
20.00	87.7	22.5	122.42		
20.50	88.0	22.8	122.45		
21.00	88.4	23.2	122.46		
21.50	88.8	23.6	122.48		
22.00	89.2	24.0	122.50		
22.50	89.6	24.4	122.53		
23.00	90.0	24.8	122.55		
23.50	90.5	25.3	122.56		
24.00	90.9	25.7	122.59		
24.50	91.2	26.0	122.60		
25.00	91.6	26.4	122.62		
25.50	92.1	26.9	122.64		
26.00	92.5	27.3	122.66		
26.50	92.9	27.7	122.67		
27.00	93.4	28.2	122.70		
27.50	93.7	28.5	122.71		
28.00	94.2	29.0	122.73		

***** End Flow 2

***** Start Shutin 2

0.00	94.2	0.0	122.73	0.0000	0.009
0.50	103.1	8.9	122.76	123.0000	0.011
1.00	122.0	27.8	122.78	62.0000	0.015
1.50	146.4	52.1	122.81	41.6667	0.021
2.00	178.6	84.3	122.84	31.5000	0.032
2.50	222.7	128.4	122.88	25.4000	0.050
3.00	282.9	188.7	122.91	21.3333	0.080
3.50	361.1	266.9	122.95	18.4286	0.130
4.00	449.8	355.5	122.98	16.2500	0.202
4.50	532.8	438.6	123.02	14.5556	0.284
5.00	601.5	507.3	123.07	13.2000	0.362
5.50	657.1	562.9	123.10	12.0909	0.432
6.00	704.4	610.2	123.14	11.1667	0.496
6.50	745.4	651.1	123.18	10.3846	0.556
7.00	780.4	686.2	123.21	9.7143	0.609
7.50	810.5	716.2	123.24	9.1333	0.657
8.00	836.7	742.4	123.28	8.6250	0.700
8.50	859.6	765.3	123.31	8.1765	0.739
9.00	879.9	785.6	123.34	7.7778	0.774
9.50	897.9	803.7	123.37	7.4211	0.806
10.00	914.0	819.8	123.40	7.1000	0.835
10.50	928.7	834.5	123.43	6.8095	0.863

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8909 Hamel #1-14 Griggs Oil Inc. DST #2

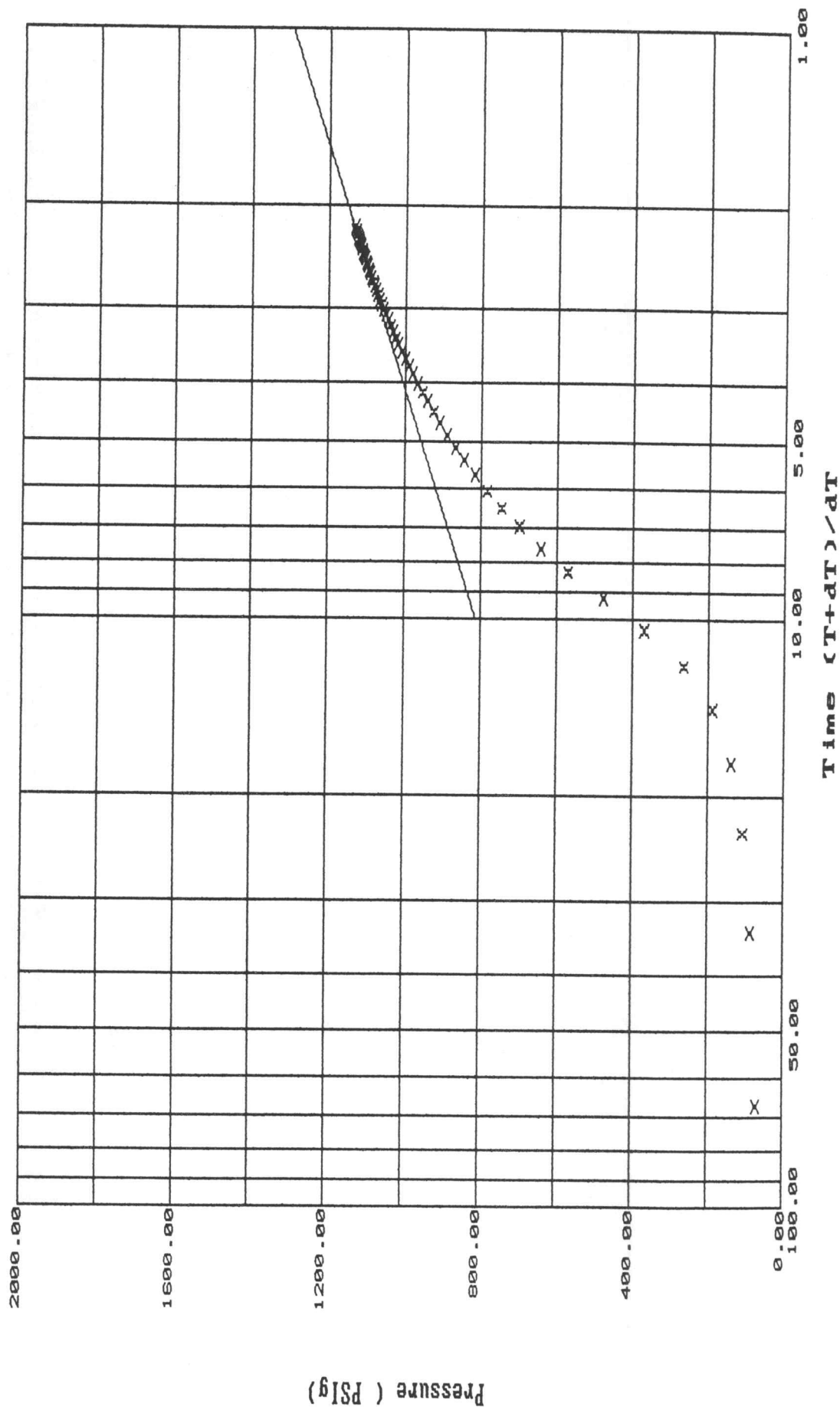
DATE: 01/27/96

TIME: 15:19:56

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	11.00	942.0	847.8	123.45	6.5455	0.887
	11.50	954.0	859.8	123.47	6.3043	0.910
	12.00	965.1	870.8	123.50	6.0833	0.931
	12.50	975.1	880.9	123.52	5.8800	0.951
	13.00	984.5	890.3	123.54	5.6923	0.969
	13.50	993.3	899.0	123.55	5.5185	0.987
	14.00	1001.3	907.1	123.57	5.3571	1.003
	14.50	1008.8	914.6	123.59	5.2069	1.018
	15.00	1015.9	921.6	123.61	5.0667	1.032
	15.50	1022.4	928.2	123.61	4.9355	1.045
	16.00	1028.6	934.4	123.63	4.8125	1.058
	16.50	1034.4	940.2	123.65	4.6970	1.070
	17.00	1039.9	945.7	123.66	4.5882	1.081
	17.50	1044.1	949.8	123.67	4.4857	1.090
	18.00	1049.3	955.1	123.69	4.3889	1.101
	18.50	1054.4	960.1	123.69	4.2973	1.112
	19.00	1059.0	964.8	123.71	4.2105	1.121
	19.50	1063.3	969.0	123.71	4.1282	1.131
	20.00	1067.3	973.1	123.73	4.0500	1.139
	20.50	1071.2	976.9	123.74	3.9756	1.147
	21.00	1074.8	980.5	123.75	3.9048	1.155
	21.50	1078.3	984.1	123.76	3.8372	1.163
	22.00	1081.7	987.5	123.77	3.7727	1.170
	22.50	1084.9	990.7	123.78	3.7111	1.177
	23.00	1088.1	993.9	123.78	3.6522	1.184
	23.50	1091.1	996.8	123.79	3.5957	1.190
	24.00	1093.9	999.7	123.80	3.5417	1.197
	24.50	1096.6	1002.4	123.81	3.4898	1.203
	25.00	1099.3	1005.0	123.83	3.4400	1.208
	25.50	1101.7	1007.5	123.82	3.3922	1.214
	26.00	1104.2	1010.0	123.83	3.3462	1.219
	26.50	1106.6	1012.3	123.83	3.3019	1.225
	27.00	1108.9	1014.7	123.85	3.2593	1.230
	27.50	1111.1	1016.9	123.85	3.2182	1.235
	28.00	1113.2	1019.0	123.93	3.1786	1.239
	28.50	1115.3	1021.1	123.86	3.1404	1.244
	29.00	1117.3	1023.1	123.87	3.1034	1.248
	29.50	1119.2	1024.9	123.88	3.0678	1.253
	30.00	1121.1	1026.9	123.89	3.0333	1.257
	30.50	1122.9	1028.7	123.89	3.0000	1.261
	31.00	1124.7	1030.5	123.90	2.9677	1.265
	31.50	1126.4	1032.1	123.90	2.9365	1.269
	32.00	1128.1	1033.8	123.91	2.9062	1.273
***** End Shut-in 2	32.50	1129.7	1035.4	123.92	2.8769	1.276
***** Final Hydro.	221.00	1877.0	0.0	123.97		

Horner Plot: shut-in #1 8909 Hamel #1-14 Griggs Oil Inc. DST #2

Slope: 485.7162 PSIG/cycle
 Ext. Pressure: 1298.6537 PSIG

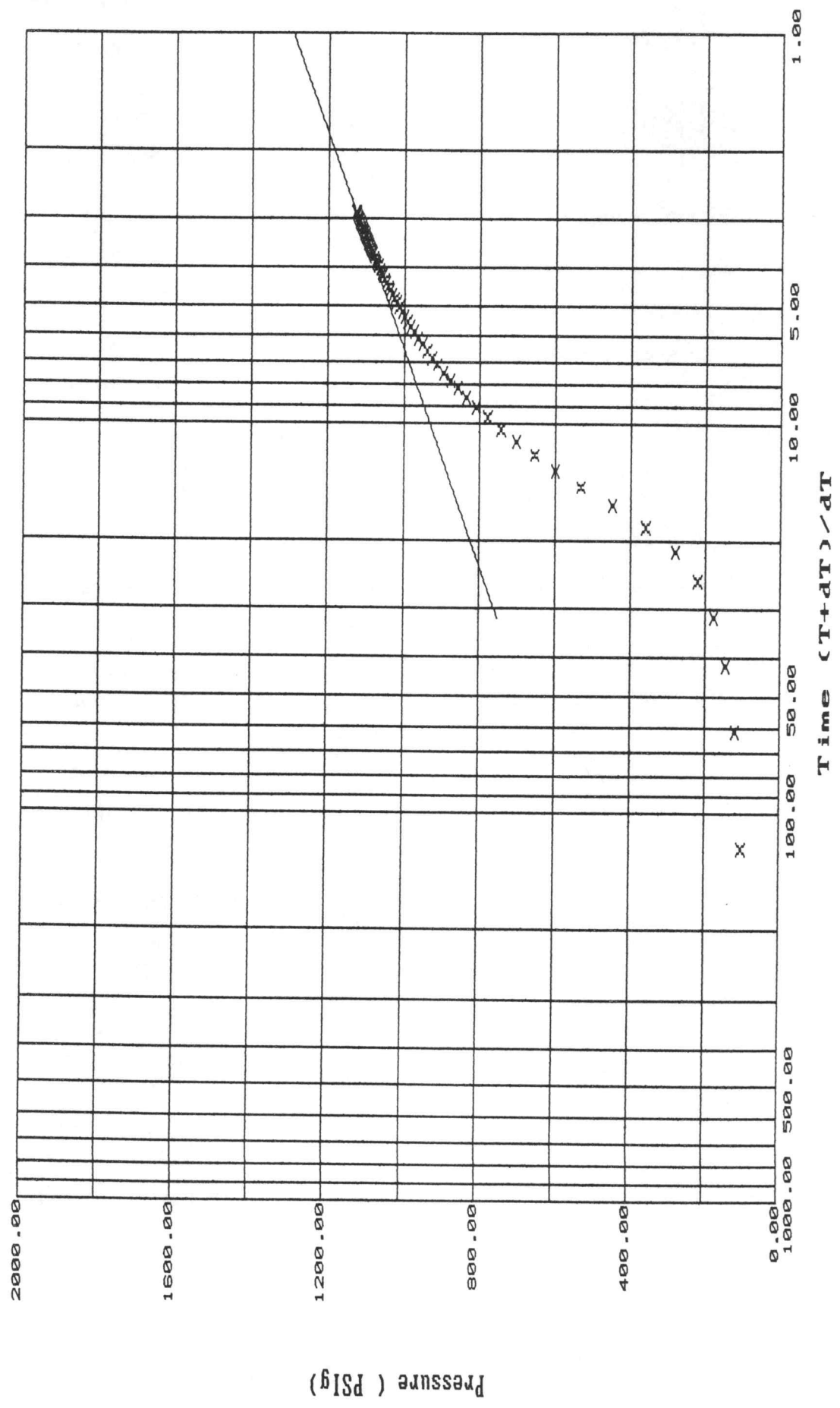


Horner Plot: shut-in #2

8909 Hamel #1-14 Griggs Oil Inc. DST #2

Slope: 361.3609 PSig/cycle

Ext. Pressure: 1295.4971 PSig



*** TOOL DIAGRAM *** CONV--STRADDLE

WELL NAME: Hame1 #1-14

LOCATION : 14-25S-08W, Reno Cty KS

TICKET No. 8909 D.S.T. No. 2 DATE 01-27-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 22

INTERVAL TOOL 20

BOTTOM PACKERS AND ANCHOR 32

TOTAL TOOL 74

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 1 Single Total 62

TOTAL ASSEMBLY 136

D.C. ABOVE TOOLS.Stands8 Single Total 485

D.P. ABOVE TOOLS.Stands53 Single 1 Total 3380

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4001

TOTAL DEPTH 3990

TOTAL DRILL PIPE ABOVE K.B. 11

REMARKS:

P.O. SUB	
C.O. SUB changeover sub	3854
S.I. TOOL Shutin tool	3860
HMV Hydraulic tool	3865
JARS Sterling	3870
SAFETY JOINT Bowen	3872
n/a	
PACKER Top Packer	3876
DEPTH 3876	
STUBB 1'	3877
ANCHOR	
1' perf	3878
Alpine recorder	3878
10' perf	3888
AK-1 recorder	3890
3' perf	3891
blank off sub	3892
T.C.	
DEPTH 3892	
PACKER straddle	3896
stubb	3897
4' perf	3901
1 std of pipe & subs to	3965
19' perf	3984
AK-1 recorder	3985
3' perf	3987
BULLNOSE 3' bullplug	
T.D.	3990