WELL NAME:	Moody #4
COMPANY:	Abercrombie Drilling
LOCATION:	Sec. 35 Twp.20S Rge. 35W Wichity County Kansas
DATE:	6/26/97

TRILOBITE TESTING L.L.C.

OPERATOR : Abercrombie Drilling — DATE 6-19-97
WELL NAME: Moody #4 — KB 3157.00 ft — TICKET NO: 9944 — DST #1
LOCATION : 35-20-35 — GR 3152.00 ft — FORMATION: Marmaton
INTERVAL : 4510.00 To 4525.00 ft — TD 4525.00 ft — TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4
PF 30	Rec.	11057	11057	2342		
SI 45	Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0
SF 60	Clock(hrs)	12 hr	12 hr	Elec		
FS 45	Depth(ft)	4520.0	4520.0	4511.0	0.0	0.0

TIME DATA----------
PF Fr. 1200 to 1230 hr
IS Fr. 1230 to 1315 hr
SF Fr. 1315 to 1415 hr
FS Fr. 1415 to 1500 hr

	Field	1	2	3	4
A. Init Hydro	2196.0	2171.0	2186.0	0.0	0.0
B. First Flow	44.0	17.0	17.0	0.0	0.0
B1. Final Flow	56.0	32.0	54.0	0.0	0.0
C. In Shut-in	1174.0	1142.0	1172.0	0.0	0.0
D. Init Flow	78.0	54.0	59.0	0.0	0.0
E. Final Flow	123.0	95.0	109.0	0.0	0.0
F. Fl Shut-in	1118.0	1099.0	1124.0	0.0	0.0
G. Final Hydro	2174.0	2148.0	2146.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 0935 hr
T ON BOTM 1157 hr
T OPEN 1200 hr
T PULLED 1500 hr
T OUT 1800 hr

RECOVERY
Tot Fluid 270.00 ft of 0.00 ft in DC and 270.00 ft in DP
90.00 ft of Clean Gassy Oil
0.00 ft of 20%gas 80%oil
180.00 ft of Gassy Mud Cut Oil
0.00 ft of 10%gas 20%mud 70%oil
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 0.00 P.P.M. A.P.I. Gravity 32.00

TOOL DATA----------

Tool Wt.	4000.00 lbs
Wt Set On Packer	26000.00 lbs
Wt Pulled Loose	72000.00 lbs
Initial Str Wt	50000.00 lbs
Unseated Str Wt	52000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	0.00 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	3925.00 ft
H.W. I.D	2.70 in
H.W. Length	590.00 ft

MUD DATA----------

Mud Type	Chemical
Weight	9.20 lb/
Vis.	46.00 S/L
W.L.	11.20 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	115.00 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	Shane McBride
Co. Rep.	Steve Davis
Contr.	Abercrombie
Rig #	8
Unit #	
Pump T.	

BLOW DESCRIPTION
Initial Flow:
Bottom of bucket in 19 mins

Initial Shut In:
Bled off blow return in 2 minutes
Built to 1.5", died back to 1"

Final Flow:
Bottom of bucket in 15 mins

Final Shut In:
Bled off blow return in 2 mins
Built to 2 "

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONV

ELL NAME: Moody #4

OCATION : 35-20-35

ICKET No. 9944 D.S.T. No. 1 DATE 6-19-97

OTAL TOOL TO BOTTOM OF TOP PACKERS 22

NTERVAL TOOL .....

OTTOM PACKERS AND ANCHOR 15

OTAL TOOL 37

RILL COLLAR ANCHOR IN INTERVAL .....

.C. ANCHOR STND.Stands Single Total

.P. ANCHOR STND.Stands Single Total

OTAL ASSEMBLY 37

.C. ABOVE TOOLS.Stands Single Total

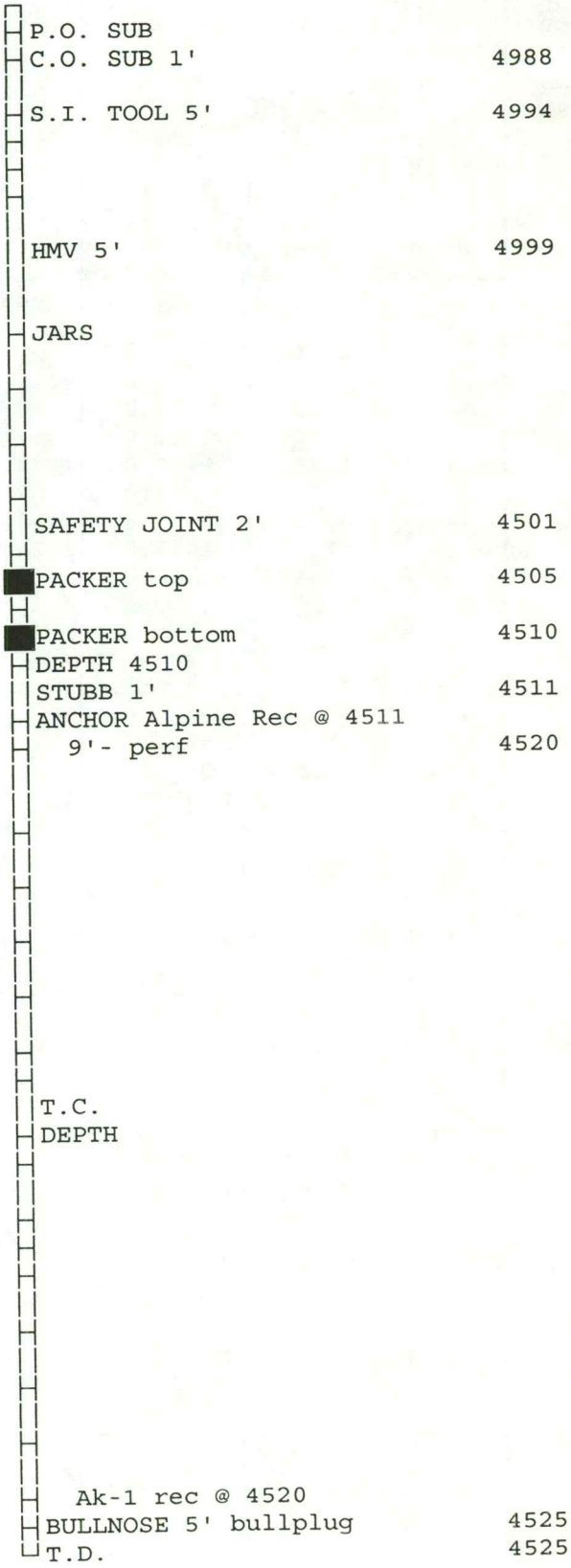
.P. ABOVE TOOLS.Stands73 Single Total 4515

OTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4552

OTAL DEPTH 4525

OTAL DRILL PIPE ABOVE K.B. 27

EMARKS:



Operator.....: Abercrombie Drilling
Well Name.....: Moody #4
DST Number.....: 1

Location.: 35-20S-35W
Test Type: conv
Formation: Marmaton

Recorder No...: 2342
Recorder Depth: 4511
Test Interval.: 4510-4525

RESERVOIR CALCULATIONS: Fluid calculations based on shut-in #2

RESERVOIR PARAMETERS USED:

Net Pay	4.00 ft
Porosity	18.00 %
Bottom Hole Temp	115.00 F
Specific Gravity	0.034
API Gravity	32.00
Compressibility	0.000015 /psi
Viscosity	8.4800 cp
Total Recovery	270.00 ft
Total Flowing Time	90.00 min.
Flow Rate	28.70 bbls/d
Final Flowing Pressure	109.00 psi
Horner Slope	237.6627 psi/cycle
Extrapolated Pressure	1237.57 psi
Formation Volume Factor	1.03 Reservoir/Surface
Well Bore Radius	3.94 in

RESULTS:

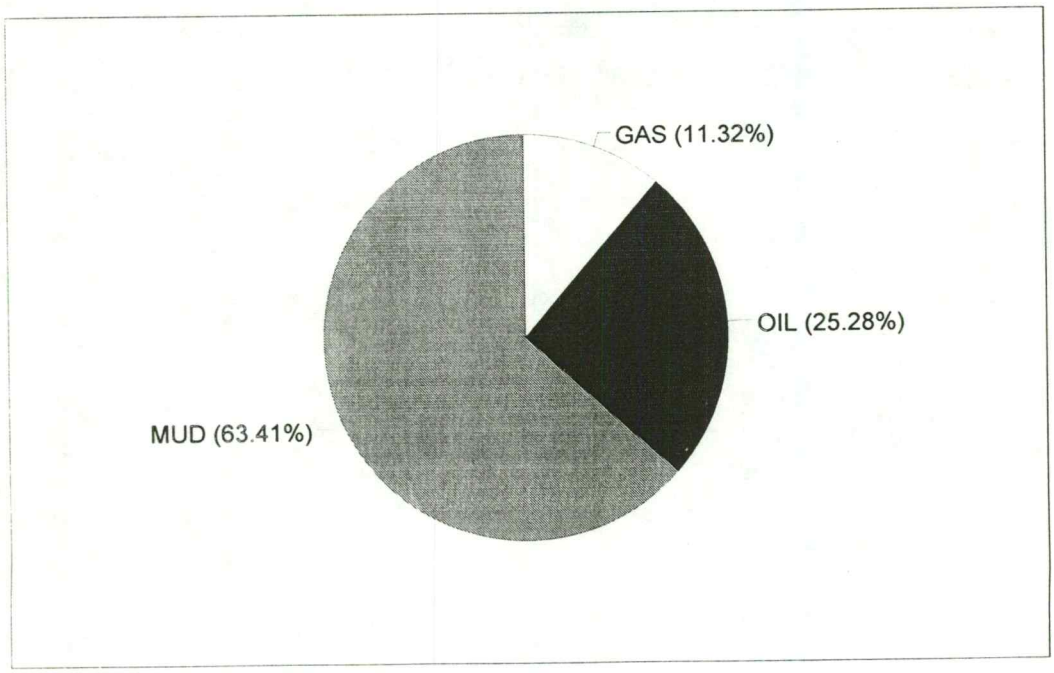
Effective Permeability	42.709514 md
Flow Capacity	170.8381 md.ft
Transmissibility	20.1460 md.ft/cp
Skin Factor	1.0845
Radius of Investigation	48.50943 ft
Damage Ratio	1.2475
Productivity Index	0.0254 bbls/psi.d
Productivity Index W/O Damage	0.0317 bbls/psi.d

CALCULATED RECOVERY ANALYSIS

DST 1 TICKET 9944

SAMPLE		TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
DRILL	1	90	20	30	80	0		0		120
PIPE	2	180	10	18	70	126		0	20	36
	3			0		0		0		0
	4			0		0		0		0
	5			0		0		0		0
	6			0		0		0		0
WEIGHT	1			0		0		0		0
PIPE	2			0		0		0		0
	3			0		0		0		0
	4			0		0		0		0
DRILL	1			24.5		0		0		465.5
COLLARS	2			0		0		0		0
	3			0		0		0		0
	4			0		0		0		0
	5			0		0		0		0
TOTAL		270		72.5		126		0		621.5

			HRS OPEN		BBL/DAY
BBL OIL=	1.79172	*	1.5	=	28.7
BBL WATER=	0	*		=	0
BBL MUD=	4.494615				
BBL GAS =	0.802365				



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9944 DST #1 Moody #4 AL Abercrombie

DATE: 06/19/97 TIME: 08:40:52

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	142.00	2186.3	0.0	109.24		
****** Start Flow 1	0.00	17.3	0.0	109.34		
	1.00	21.5	4.2	109.45		
	2.00	23.8	6.5	109.53		
	3.00	25.3	8.0	109.57		
	4.00	27.0	9.7	109.61		
	5.00	28.6	11.3	109.67		
	6.00	29.9	12.6	109.75		
	7.00	31.0	13.7	109.83		
	8.00	32.2	14.9	109.91		
	9.00	33.4	16.1	109.99		
	10.00	34.5	17.2	110.08		
	11.00	35.7	18.5	110.16		
	12.00	36.8	19.5	110.23		
	13.00	38.1	20.8	110.30		
	14.00	39.2	21.9	110.35		
	15.00	40.3	23.0	110.41		
	16.00	41.5	24.2	110.47		
	17.00	42.4	25.1	110.51		
	18.00	43.4	26.1	110.55		
	19.00	44.5	27.2	110.59		
	20.00	45.3	28.0	110.62		
	21.00	46.3	29.0	110.66		
	22.00	47.3	30.0	110.69		
	23.00	48.3	31.1	110.72		
	24.00	49.3	32.0	110.74		
	25.00	50.3	33.0	110.77		
	26.00	51.3	34.0	110.80		
	27.00	52.4	35.1	110.82		
	28.00	53.1	35.8	110.85		
****** End Flow 1	29.00	54.0	36.8	110.88		
****** Start Shutin 1	0.00	54.0	0.0	110.88	0.0000	0.003
	1.00	58.2	4.2	110.91	30.0000	0.003
	2.00	84.6	30.5	110.93	15.5000	0.007
	3.00	120.9	66.9	110.97	10.6667	0.015
	4.00	178.8	124.8	111.00	8.2500	0.032
	5.00	280.3	226.3	111.04	6.8000	0.079
	6.00	467.0	412.9	111.09	5.8333	0.218
	7.00	709.9	655.9	111.14	5.1429	0.504
	8.00	866.8	812.8	111.22	4.6250	0.751
	9.00	944.1	890.1	111.28	4.2222	0.891
	10.00	986.6	932.5	111.34	3.9000	0.973
	11.00	1013.8	959.8	111.41	3.6364	1.028
	12.00	1033.6	979.5	111.47	3.4167	1.068
	13.00	1048.8	994.7	111.54	3.2308	1.100
	14.00	1061.2	1007.1	111.60	3.0714	1.126
	15.00	1071.6	1017.5	111.64	2.9333	1.148
	16.00	1080.6	1026.5	111.70	2.8125	1.168
	17.00	1088.4	1034.3	111.74	2.7059	1.185
	18.00	1095.5	1041.5	111.78	2.6111	1.200
	19.00	1101.6	1047.6	111.82	2.5263	1.214

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9944 DST #1 Moody #4 AL Abercrombie

DATE: 06/19/97 TIME: 08:40:52

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	20.00	1107.3	1053.3	111.86	2.4500	1.226
	21.00	1112.5	1058.5	111.90	2.3810	1.238
	22.00	1117.3	1063.3	111.93	2.3182	1.248
	23.00	1121.8	1067.7	111.95	2.2609	1.258
	24.00	1125.6	1071.6	111.98	2.2083	1.267
	25.00	1129.3	1075.3	112.09	2.1600	1.275
	26.00	1132.8	1078.8	112.04	2.1154	1.283
	27.00	1136.0	1082.0	112.06	2.0741	1.291
	28.00	1139.1	1085.1	112.09	2.0357	1.298
	29.00	1142.0	1088.0	112.12	2.0000	1.304
	30.00	1144.6	1090.6	112.14	1.9667	1.310
	31.00	1147.2	1093.2	112.15	1.9355	1.316
	32.00	1149.5	1095.4	112.19	1.9062	1.321
	33.00	1151.7	1097.7	112.21	1.8788	1.326
	34.00	1153.9	1099.9	112.23	1.8529	1.332
	35.00	1155.8	1101.8	112.25	1.8286	1.336
	36.00	1157.8	1103.7	112.26	1.8056	1.340
	37.00	1159.7	1105.7	112.28	1.7838	1.345
	38.00	1161.4	1107.3	112.30	1.7632	1.349
	39.00	1163.0	1108.9	112.31	1.7436	1.353
	40.00	1164.6	1110.5	112.34	1.7250	1.356
	41.00	1166.1	1112.0	112.35	1.7073	1.360
	42.00	1167.5	1113.5	112.37	1.6905	1.363
	43.00	1168.9	1114.8	112.39	1.6744	1.366
	44.00	1170.3	1116.2	112.40	1.6591	1.370
	45.00	1171.5	1117.4	112.42	1.6444	1.372
***** End Shut-in 1	46.00	1172.7	1118.7	112.43	1.6304	1.375
***** Start Flow 2	0.00	59.8	0.0	112.41		
	1.00	60.2	0.3	112.38		
	2.00	60.5	0.7	112.37		
	3.00	62.2	2.3	112.37		
	4.00	64.6	4.8	112.39		
	5.00	66.0	6.2	112.43		
	6.00	67.0	7.1	112.51		
	7.00	67.9	8.1	112.60		
	8.00	69.0	9.1	112.70		
	9.00	70.2	10.3	112.82		
	10.00	71.4	11.6	112.93		
	11.00	66.0	6.1	113.03		
	12.00	67.2	7.4	113.13		
	13.00	68.4	8.6	113.21		
	14.00	69.3	9.5	113.30		
	15.00	70.5	10.7	113.38		
	16.00	71.5	11.7	113.44		
	17.00	72.4	12.6	113.51		
	18.00	73.3	13.5	113.57		
	19.00	74.3	14.4	113.62		
	20.00	74.8	14.9	113.66		
	21.00	75.8	15.9	113.71		
	22.00	77.0	17.2	113.75		
	23.00	77.3	17.5	113.79		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9944 DST #1 Moody #4 AL Abercrombie

DATE: 06/19/97 TIME: 08:40:52

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	24.00	78.5	18.6	113.82		
	25.00	78.9	19.1	113.85		
	26.00	79.7	19.9	113.89		
	27.00	80.4	20.6	113.92		
	28.00	81.4	21.6	113.95		
	29.00	82.2	22.4	113.98		
	30.00	83.1	23.2	114.01		
	31.00	83.8	23.9	114.05		
	32.00	84.6	24.8	114.09		
	33.00	85.4	25.6	114.12		
	34.00	86.4	26.5	114.16		
	35.00	87.1	27.3	114.19		
	36.00	88.0	28.2	114.22		
	37.00	89.0	29.1	114.24		
	38.00	89.8	30.0	114.26		
	39.00	90.7	30.9	114.29		
	40.00	91.6	31.8	114.31		
	41.00	92.7	32.9	114.33		
	42.00	93.3	33.5	114.35		
	43.00	94.3	34.5	114.37		
	44.00	95.2	35.4	114.39		
	45.00	96.0	36.2	114.39		
	46.00	96.9	37.1	114.41		
	47.00	97.8	37.9	114.42		
	48.00	99.0	39.2	114.43		
	49.00	99.7	39.9	114.44		
	50.00	100.5	40.7	114.46		
	51.00	101.6	41.8	114.46		
	52.00	102.5	42.6	114.47		
	53.00	103.3	43.5	114.48		
	54.00	104.2	44.4	114.48		
	55.00	105.3	45.5	114.49		
	56.00	106.2	46.3	114.50		
	57.00	107.0	47.2	114.51		
	58.00	108.0	48.2	114.51		
****** End Flow 2	59.00	109.0	49.2	114.52		
****** Start Shutin 2	0.00	109.0	0.0	114.52	0.0000	0.012
	1.00	130.3	21.3	114.53	89.0000	0.017
	2.00	171.7	62.7	114.54	45.0000	0.029
	3.00	242.6	133.6	114.55	30.3333	0.059
	4.00	367.3	258.3	114.57	23.0000	0.135
	5.00	546.4	437.4	114.61	18.6000	0.299
	6.00	719.6	610.6	114.65	15.6667	0.518
	7.00	831.3	722.3	114.70	13.5714	0.691
	8.00	894.7	785.6	114.76	12.0000	0.800
	9.00	933.3	824.3	114.82	10.7778	0.871
	10.00	959.0	850.0	114.88	9.8000	0.920
	11.00	978.1	869.1	114.93	9.0000	0.957
	12.00	993.1	884.1	114.98	8.3333	0.986
	13.00	1005.4	896.3	115.03	7.7692	1.011
	14.00	1015.9	906.8	115.07	7.2857	1.032

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9944 DST #1 Moody #4 AL Abercrombie

DATE: 06/19/97 TIME: 08:40:52

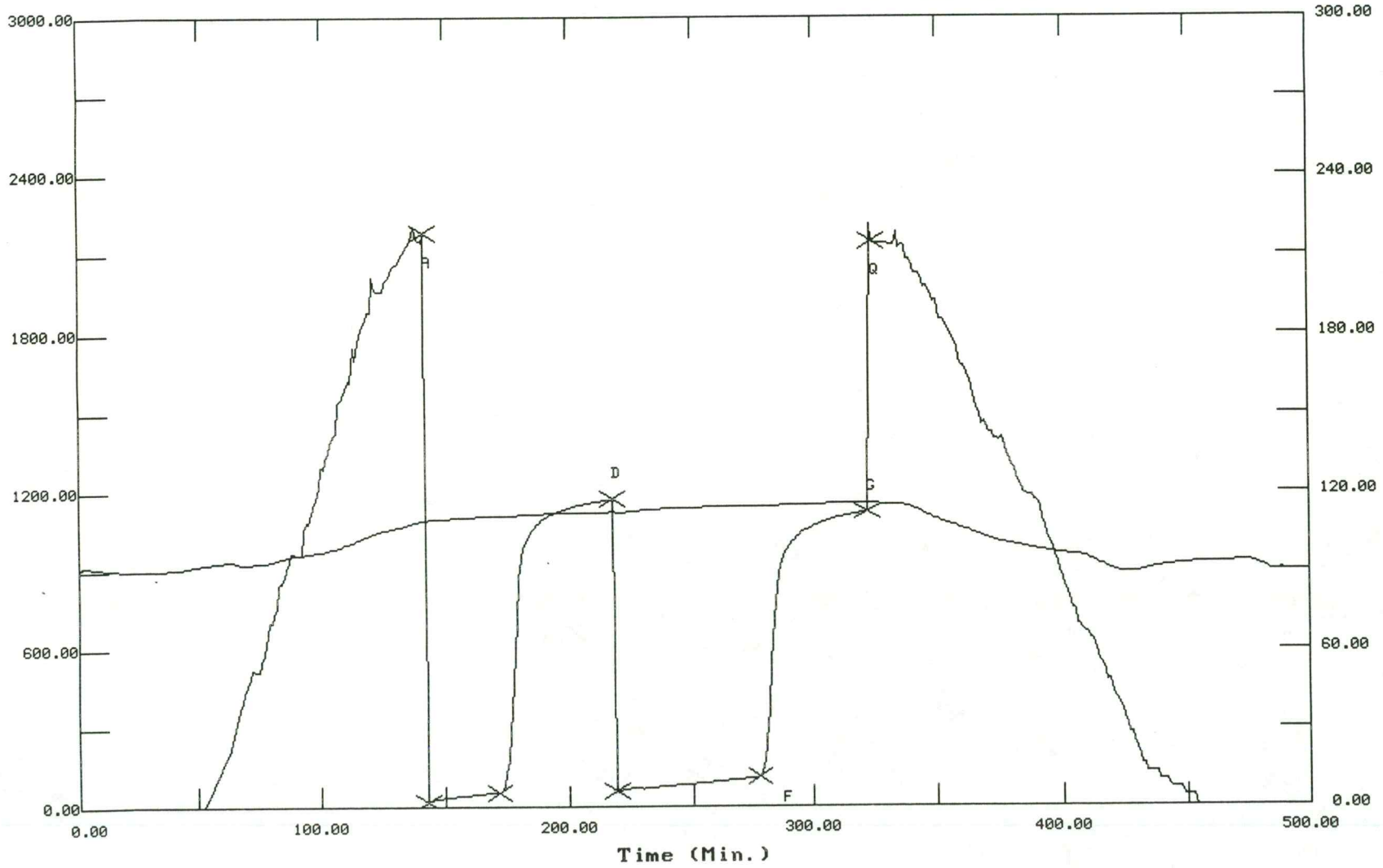
	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	15.00	1024.9	915.9	115.11	6.8667	1.050
	16.00	1032.9	923.9	115.14	6.5000	1.067
	17.00	1040.1	931.1	115.17	6.1765	1.082
	18.00	1046.5	937.5	115.21	5.8889	1.095
	19.00	1052.4	943.4	115.24	5.6316	1.108
	20.00	1057.9	948.9	115.26	5.4000	1.119
	21.00	1062.9	953.8	115.28	5.1905	1.130
	22.00	1067.4	958.4	115.31	5.0000	1.139
	23.00	1071.7	962.7	115.33	4.8261	1.149
	24.00	1075.9	966.8	115.35	4.6667	1.157
	25.00	1079.6	970.6	115.37	4.5200	1.166
	26.00	1083.2	974.2	115.38	4.3846	1.173
	27.00	1086.5	977.5	115.40	4.2593	1.181
	28.00	1089.7	980.7	115.43	4.1429	1.187
	29.00	1092.6	983.6	115.44	4.0345	1.194
	30.00	1095.6	986.6	115.45	3.9333	1.200
	31.00	1098.3	989.3	115.47	3.8387	1.206
	32.00	1100.8	991.8	115.49	3.7500	1.212
	33.00	1103.3	994.3	115.50	3.6667	1.217
	34.00	1105.6	996.6	115.52	3.5882	1.222
	35.00	1107.8	998.7	115.50	3.5143	1.227
	36.00	1109.9	1000.9	115.54	3.4444	1.232
	37.00	1112.0	1002.9	115.55	3.3784	1.236
	38.00	1113.9	1004.9	115.56	3.3158	1.241
	39.00	1115.7	1006.7	115.58	3.2564	1.245
	40.00	1117.6	1008.6	115.58	3.2000	1.249
	41.00	1119.3	1010.3	115.60	3.1463	1.253
	42.00	1120.9	1011.9	115.62	3.0952	1.256
	43.00	1122.5	1013.5	115.64	3.0465	1.260
***** End Shut-in 2	44.00	1124.1	1015.1	115.64	3.0000	1.264
***** Final Hydro.	324.00	2146.0	0.0	115.67		

TEST HISTORY

9944 DST #1 Moody #4 AL Abercrombie

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2186.31
B:	0.00	17.28
C:	29.00	54.04
D:	46.00	1172.71
E:	0.00	59.83
F:	59.00	109.01
G:	44.00	1124.12
Q:	0.00	2146.03



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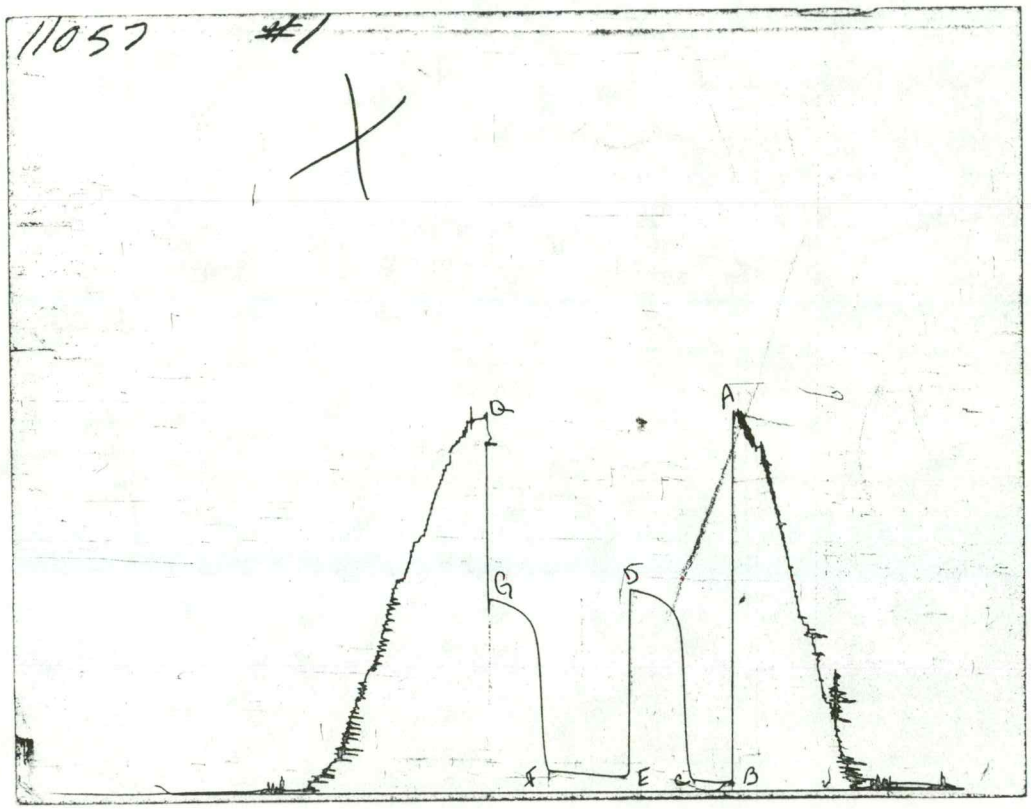


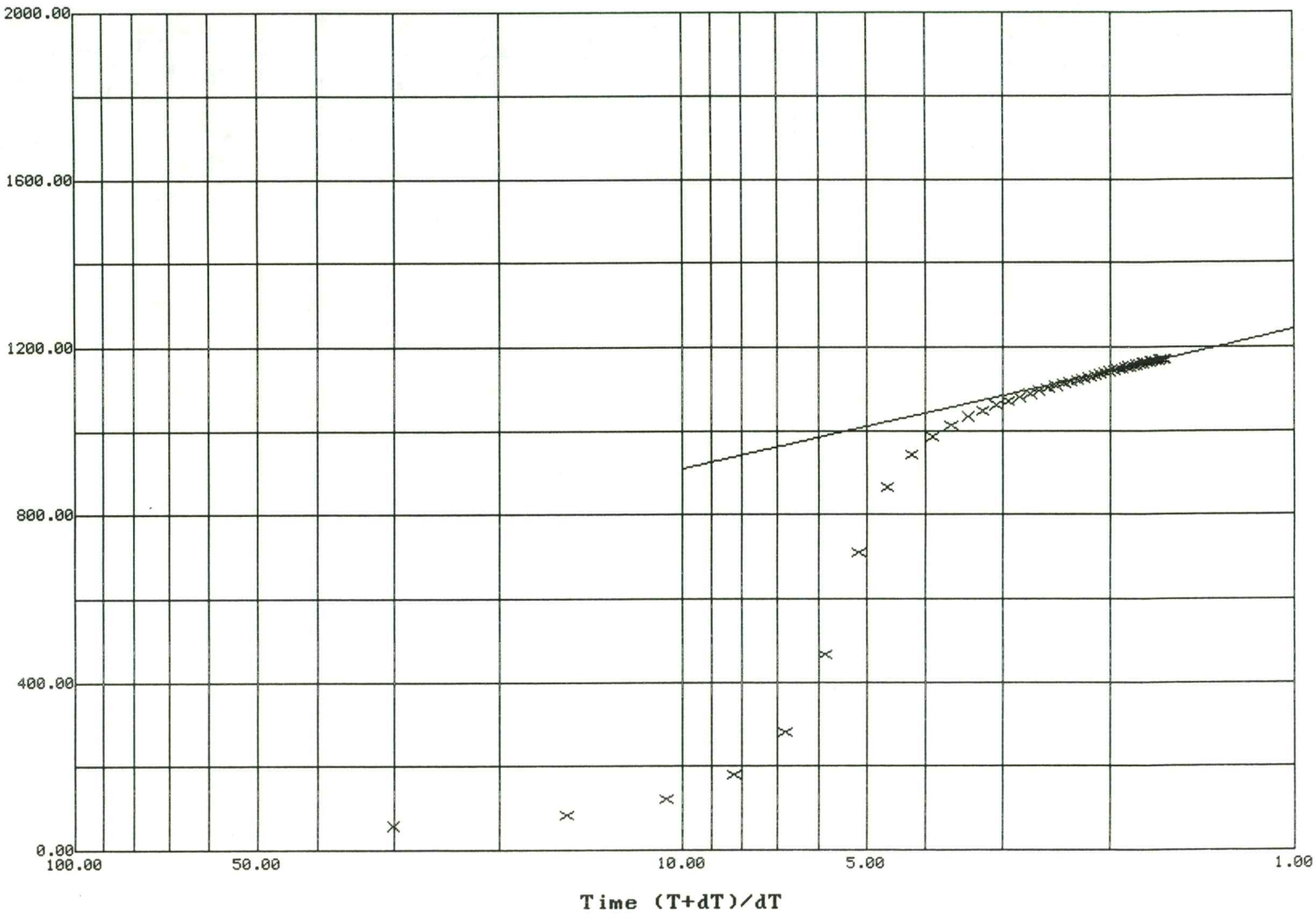
This is a photocopy of the actual AK-1 recorder chart

Horner Plot: shut-in #1

9944 DST #1 Moody #4 AL Abercrombie

Slope: 334.0434 PSIg/cycle

Ext. Pressure: 1243.6600 PSIg

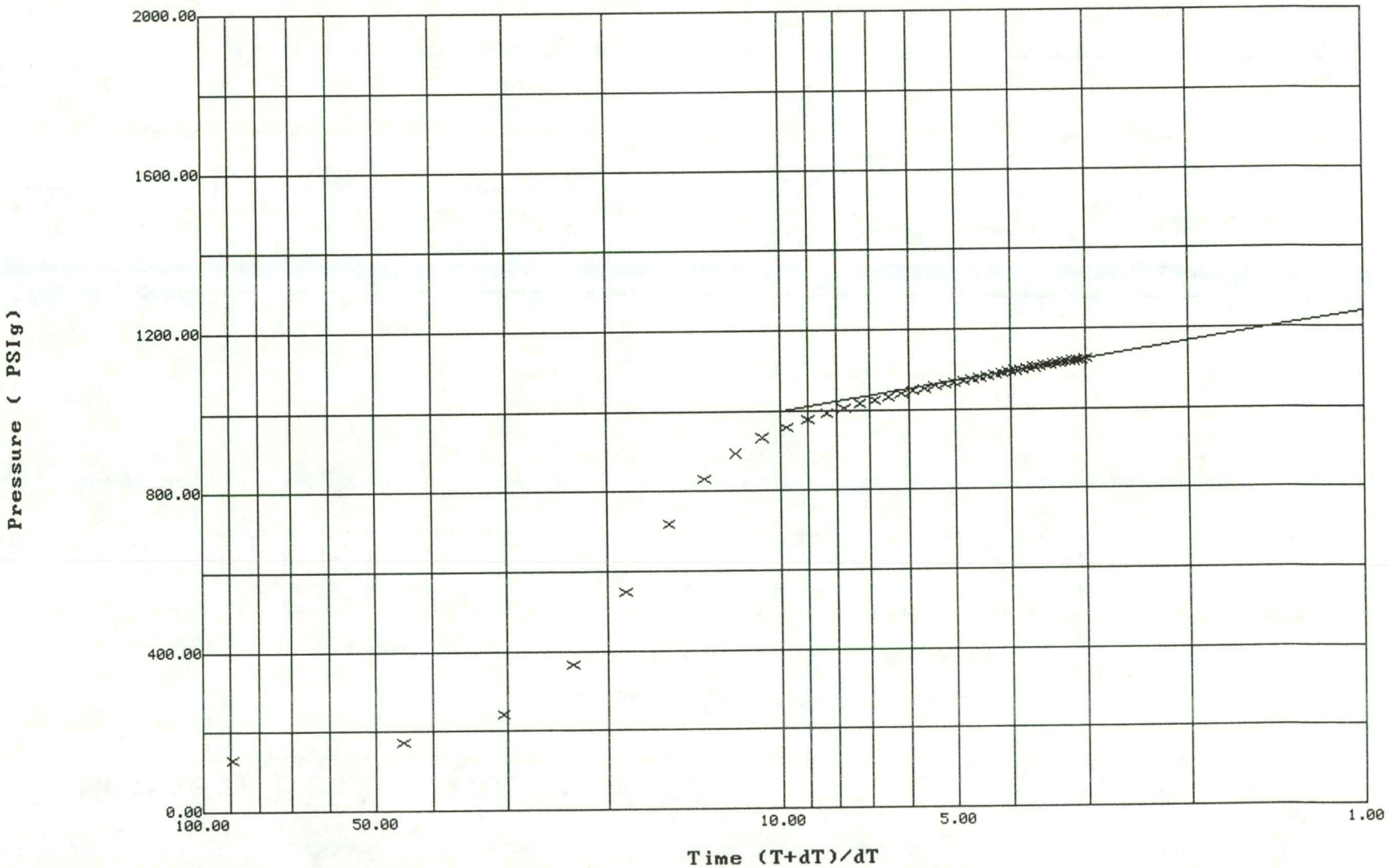


Horner Plot: shut-in #2

9944 DST #1 Moody #4 AL Abercrombie

Slope: 237.6627 PSIg/cycle

Ext. Pressure: 1237.5719 PSIg



TRILOBITE TESTING L.L.C.

OPERATOR : Abercrombie Drilg. Co. DATE 6-20-97
WELL NAME: Moody #4 KB 3157.00 ft TICKET NO: 9945 DST #2
LOCATION : 35-20-35 GR 3152.00 ft FORMATION: Marmaton
INTERVAL : 4525.00 To 4570.00 ft TD 4570.00 ft TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4
PF 30	Rec.	11057	11057	2342		
SI 30	Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0
SF 30	Clock(hrs)	12 hr	12 hr	Elec		
FS 30	Depth(ft)	4565.0	4565.0	4533.0	0.0	0.0

TIME DATA----------
PF Fr. 0730 to 0800 hr
IS Fr. 0800 to 0830 hr
SF Fr. 0830 to 0900 hr
FS Fr. 0900 to 0930 hr

	Field	1	2	3	4
A. Init Hydro	2230.0	2202.0	2197.0	0.0	0.0
B. First Flow	67.0	44.0	19.0	0.0	0.0
B1. Final Flow	56.0	42.0	24.0	0.0	0.0
C. In Shut-in	1029.0	1004.0	1034.0	0.0	0.0
D. Init Flow	78.0	54.0	25.0	0.0	0.0
E. Final Flow	67.0	54.0	30.0	0.0	0.0
F. Fl Shut-in	984.0	944.0	973.0	0.0	0.0
G. Final Hydro	2208.0	2215.0	2228.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 0500 hr
T ON BOTM 0726 hr
T OPEN 0730 hr
T PULLED 0930 hr
T OUT 1140 hr

RECOVERY
Tot Fluid 20.00 ft of 0.00 ft in DC and 20.00 ft in DP
20.00 ft of Drilling Mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

TOOL DATA----------

Tool Wt.	5000.00 lbs
Wt Set On Packer	26000.00 lbs
Wt Pulled Loose	73000.00 lbs
Initial Str Wt	52000.00 lbs
Unseated Str Wt	52000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.75 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	3944.00 ft
H.W. I.D	2.70 in
H.W. Length	590.00 ft

MUD DATA----------

Mud Type	Chemical
Weight	9.20 lb/c
Vis.	46.00 S/L
W.L.	11.20 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	111.00 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	Shane McBride
Co. Rep.	Steve Davis
Contr.	Abercrombie
Rig #	8
Unit #	
Pump T.	

BLOW DESCRIPTION
Initial Flow:
Blow died in 15 mins

Initial Shut In:
No return

Final Flow:
No blow, flush tool, good surge no blow

Final Shut In:
No return

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONV

ELL NAME: Moody #4

OCATION : 35-20-35

ICKET No. 9945 D.S.T. No. 2 DATE 6-20-97

OTAL TOOL TO BOTTOM OF TOP PACKERS 22

NTERVAL TOOL .....

OTTOM PACKERS AND ANCHOR 14

OTAL TOOL 37

RILL COLLAR ANCHOR IN INTERVAL .....

.C. ANCHOR STND.Stands Single Total

.P. ANCHOR STND.Stands Single 1 Total 31

OTAL ASSEMBLY 68

.C. ABOVE TOOLS.Stands Single Total

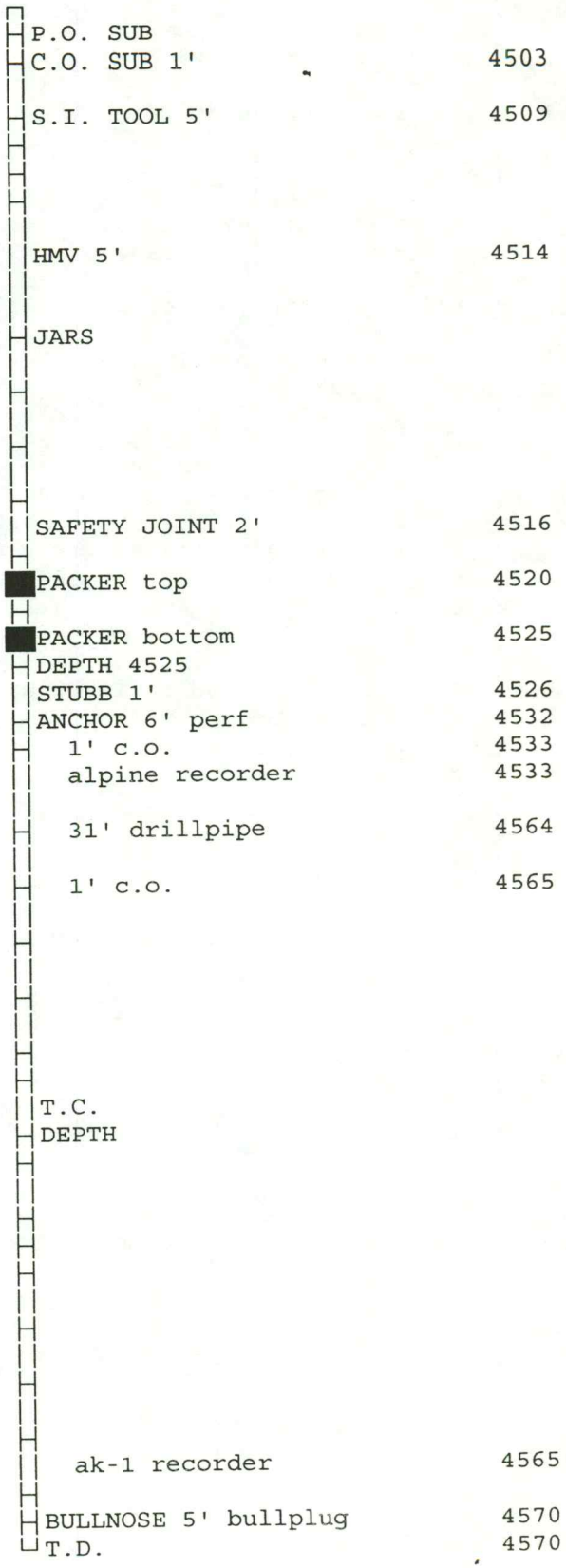
.P. ABOVE TOOLS.Stands73 Single Total 4544

OTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4581

OTAL DEPTH 4570

OTAL DRILL PIPE ABOVE K.B. 11

EMARKS:



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9945 DST #2 Moody #4 Abercrombie Drilg Co.

DATE: 06/20/97 TIME: 04:05:36

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	147.00	2197.6	0.0	106.62		
****** Start Flow 1	0.00	19.5	0.0	107.16		
	1.00	19.5	0.0	107.25		
	2.00	20.1	0.7	107.30		
	3.00	20.4	0.9	107.33		
	4.00	20.4	0.9	107.35		
	5.00	20.3	0.8	107.37		
	6.00	20.6	1.2	107.39		
	7.00	20.8	1.3	107.40		
	8.00	21.1	1.7	107.41		
	9.00	21.2	1.8	107.44		
	10.00	21.3	1.8	107.45		
	11.00	21.5	2.0	107.48		
	12.00	21.6	2.1	107.49		
	13.00	21.6	2.2	107.51		
	14.00	21.8	2.4	107.54		
	15.00	22.0	2.5	107.56		
	16.00	22.1	2.7	107.59		
	17.00	22.3	2.9	107.62		
	18.00	22.4	2.9	107.64		
	19.00	22.7	3.3	107.68		
	20.00	23.0	3.5	107.71		
	21.00	23.1	3.6	107.74		
	22.00	23.2	3.7	107.77		
	23.00	23.2	3.8	107.81		
	24.00	23.4	3.9	107.84		
	25.00	23.6	4.1	107.88		
	26.00	23.7	4.2	107.91		
	27.00	24.1	4.6	107.95		
	28.00	24.3	4.9	107.98		
****** End Flow 1	29.00	24.5	5.0	108.02		
****** Start Shutin 1	0.00	24.5	0.0	108.02	0.0000	0.001
	1.00	26.5	2.0	108.05	30.0000	0.001
	2.00	53.2	28.7	108.09	15.5000	0.003
	3.00	128.6	104.1	108.13	10.6667	0.017
	4.00	249.8	225.3	108.18	8.2500	0.062
	5.00	359.9	335.4	108.23	6.8000	0.130
	6.00	450.0	425.5	108.29	5.8333	0.203
	7.00	524.0	499.5	108.34	5.1429	0.275
	8.00	585.8	561.3	108.40	4.6250	0.343
	9.00	638.2	613.7	108.46	4.2222	0.407
	10.00	683.3	658.8	108.53	3.9000	0.467
	11.00	722.4	697.9	108.59	3.6364	0.522
	12.00	756.9	732.4	108.63	3.4167	0.573
	13.00	787.4	762.9	108.69	3.2308	0.620
	14.00	814.6	790.1	108.75	3.0714	0.664
	15.00	839.1	814.6	108.80	2.9333	0.704
	16.00	861.0	836.5	108.85	2.8125	0.741
	17.00	880.9	856.4	108.89	2.7059	0.776
	18.00	899.2	874.7	108.94	2.6111	0.809
	19.00	915.8	891.3	108.99	2.5263	0.839

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9945 DST #2 Moody #4 Abercrombie Drilg Co.

DATE: 06/20/97 TIME: 04:05:36

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	20.00	931.3	906.8	109.04	2.4500	0.867
	21.00	945.4	920.9	109.10	2.3810	0.894
	22.00	959.0	934.5	109.13	2.3182	0.920
	23.00	970.7	946.2	109.18	2.2609	0.942
	24.00	981.9	957.4	109.21	2.2083	0.964
	25.00	992.3	967.8	109.26	2.1600	0.985
	26.00	1001.9	977.4	109.30	2.1154	1.004
	27.00	1011.0	986.5	109.33	2.0741	1.022
	28.00	1019.5	995.0	109.38	2.0357	1.039
	29.00	1027.4	1002.9	109.42	2.0000	1.056
***** End Shut-in 1	30.00	1035.0	1010.5	109.44	1.9667	1.071
***** Start Flow 2	0.00	25.9	0.0	109.44		
	1.00	26.1	0.2	109.44		
	2.00	26.2	0.3	109.44		
	3.00	26.3	0.3	109.43		
	4.00	26.4	0.5	109.43		
	5.00	2185.6	2159.7	109.51		
	6.00	1678.1	1652.2	109.56		
	7.00	29.3	3.4	109.54		
	8.00	29.5	3.6	109.56		
	9.00	29.6	3.7	109.56		
	10.00	29.6	3.7	109.56		
	11.00	29.8	3.9	109.57		
	12.00	29.8	3.9	109.57		
	13.00	29.9	3.9	109.59		
	14.00	30.0	4.0	109.61		
	15.00	30.0	4.1	109.61		
	16.00	30.1	4.2	109.64		
	17.00	30.3	4.4	109.67		
	18.00	30.3	4.4	109.68		
	19.00	30.4	4.4	109.71		
	20.00	30.2	4.3	109.74		
	21.00	30.3	4.4	109.76		
	22.00	30.4	4.4	109.79		
	23.00	30.5	4.5	109.82		
	24.00	30.6	4.7	109.84		
	25.00	30.7	4.8	109.88		
	26.00	30.7	4.8	109.90		
	27.00	30.8	4.9	109.93		
****** End Flow 2	28.00	31.0	5.0	109.96		
****** Start Shutin 2	0.00	31.0	0.0	109.96	0.0000	0.001
	1.00	31.0	0.1	109.99	58.0000	0.001
	2.00	45.6	14.7	110.01	29.5000	0.002
	3.00	85.1	54.1	110.04	20.0000	0.007
	4.00	161.8	130.8	110.07	15.2500	0.026
	5.00	260.2	229.2	110.12	12.4000	0.068
	6.00	350.6	319.6	110.15	10.5000	0.123
	7.00	426.8	395.9	110.20	9.1429	0.182
	8.00	490.5	459.5	110.25	8.1250	0.241
	9.00	544.5	513.6	110.29	7.3333	0.296
	10.00	590.8	559.8	110.34	6.7000	0.349

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9945 DST #2 Moody #4 Abercrombie Drilg Co.

DATE: 06/20/97 TIME: 04:05:36

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	11.00	631.0	600.0	110.40	6.1818	0.398
	12.00	666.1	635.2	110.42	5.7500	0.444
	13.00	697.1	666.1	110.47	5.3846	0.486
	14.00	724.9	693.9	110.51	5.0714	0.525
	15.00	749.6	718.6	110.56	4.8000	0.562
	16.00	772.0	741.0	110.59	4.5625	0.596
	17.00	792.5	761.6	110.63	4.3529	0.628
	18.00	811.1	780.1	110.67	4.1667	0.658
	19.00	828.0	797.1	110.70	4.0000	0.686
	20.00	843.8	812.8	110.74	3.8500	0.712
	21.00	858.3	827.4	110.77	3.7143	0.737
	22.00	871.7	840.7	110.80	3.5909	0.760
	23.00	884.6	853.6	110.83	3.4783	0.783
	24.00	896.0	865.0	110.87	3.3750	0.803
	25.00	907.0	876.0	110.90	3.2800	0.823
	26.00	917.1	886.1	110.92	3.1923	0.841
	27.00	926.7	895.8	110.95	3.1111	0.859
	28.00	935.6	904.7	110.98	3.0357	0.875
	29.00	944.0	913.1	111.01	2.9655	0.891
	30.00	952.0	921.0	111.04	2.9000	0.906
	31.00	959.5	928.5	111.06	2.8387	0.921
	32.00	966.6	935.6	111.10	2.7812	0.934
****** End Shut-in 2	33.00	973.4	942.4	111.13	2.7273	0.947
****** Final Hydro.	272.00	2228.9	0.0	111.21		

TEST HISTORY

9945 DST #2 Moody #4 Abercrombie Drilg Co.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2197.64
B:	0.00	19.46
C:	29.00	24.50
D:	30.00	1034.99
E:	0.00	25.93
F:	28.00	30.96
G:	33.00	973.39
Q:	0.00	2228.86

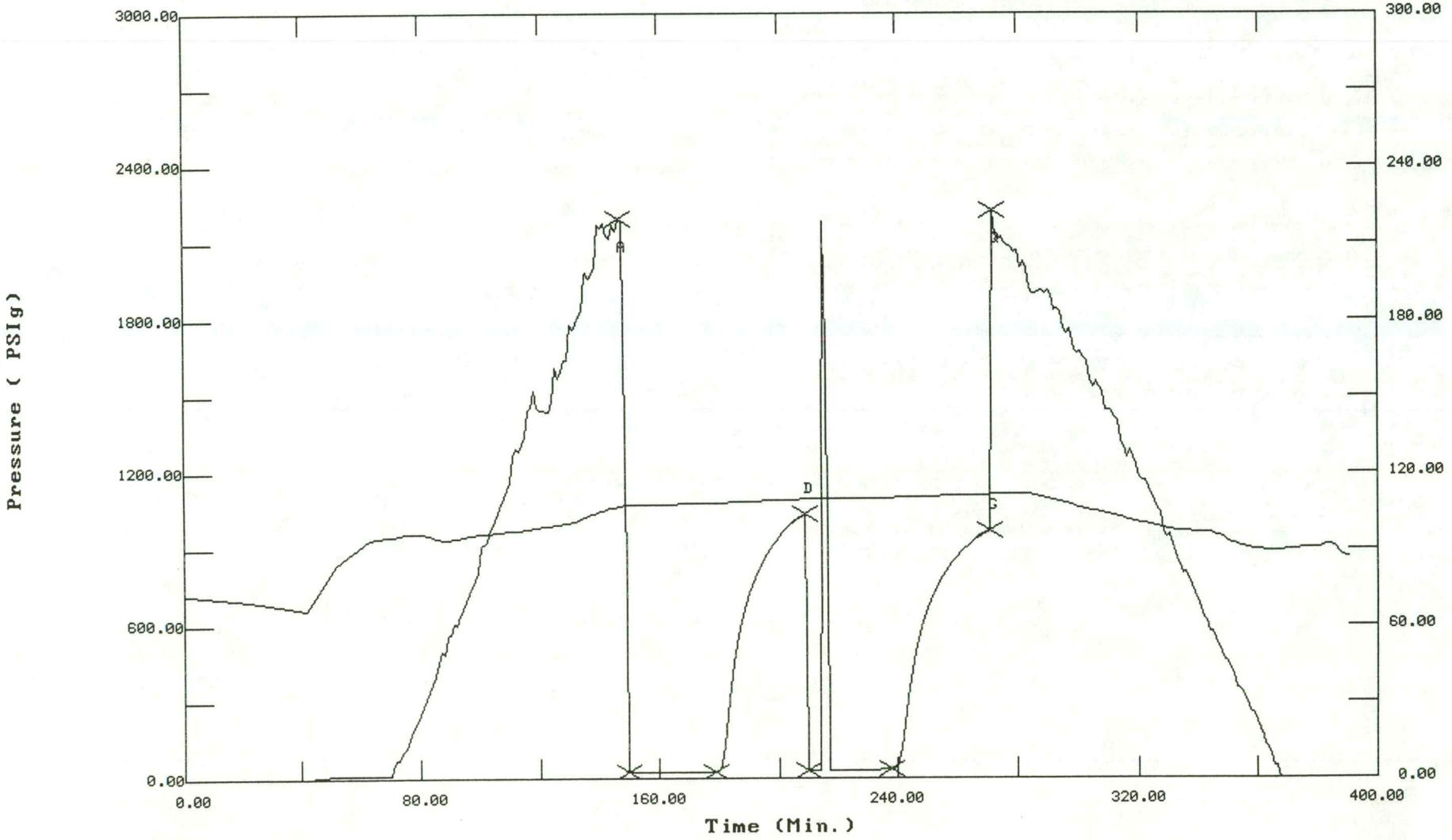
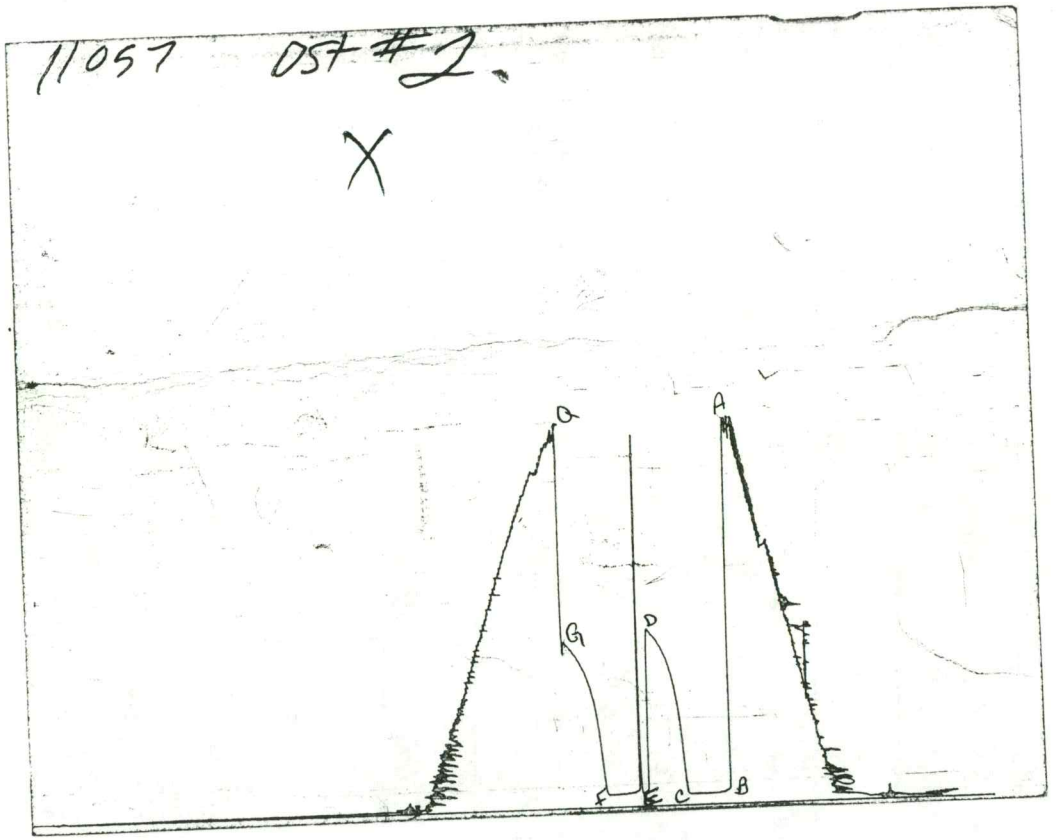


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : Abercrombie Drilling — DATE 6-20-97
WELL NAME: Moody #4 — KB 3157.00 ft — TICKET NO: 9946 — DST #3
LOCATION : 35-20-35 — GR 3152.00 ft — FORMATION: Beymer
INTERVAL : 4589.00 To 4606.00 ft — TD 4606.00 ft — TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4
PF 30	Rec.	11057	11057	2342		
SI 45	Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0
SF 60	Clock(hrs)	12 hr	12 hr	Elec		
FS 45	Depth(ft)	4601.0	4601.0	4595.0	0.0	0.0

TIME DATA----------
PF Fr. 2205 to 2235 hr
IS Fr. 2235 to 2320 hr
SF Fr. 2320 to 1220 hr
FS Fr. 1220 to 0105 hr

	Field	1	2	3	4
A. Init Hydro	2276.0	2278.0	2263.0	0.0	0.0
B. First Flow	89.0	77.0	28.0	0.0	0.0
B1. Final Flow	168.0	154.0	152.0	0.0	0.0
C. In Shut-in	649.0	632.0	610.0	0.0	0.0
D. Init Flow	213.0	204.0	158.0	0.0	0.0
E. Final Flow	347.0	330.0	311.0	0.0	0.0
F. Fl Shut-in	616.0	612.0	595.0	0.0	0.0
G. Final Hydro	2253.0	2222.0	2168.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 2018 hr
T ON BOTM 1002 hr
T OPEN 1005 hr
T PULLED 0105 hr
T OUT 0345 hr

RECOVERY
Tot Fluid 605.00 ft of 0.00 ft in DC and 605.00 ft in DP
65.00 ft of Slight Mud Cut Water with Oil scum
0.00 ft of 10%mud 90%water
540.00 ft of Salt Water
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 32000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION
Initial Flow:
Bottom of bucket in 19 mins

Initial Shut In:
No return

Final Flow:
Surface blow in 2 mins, built to 9"

Final Shut In;
No return

SAMPLES:
SENT TO:

Test Successful: Y

TOOL DATA----------

Tool Wt.	4000.00 lbs
Wt Set On Packer	26000.00 lbs
Wt Pulled Loose	74000.00 lbs
Initial Str Wt	52000.00 lbs
Unseated Str Wt	55000.00 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	0.00 ft
D.P. Length	0.00 ft
H.W. I.D	2.70 in
H.W. Length	590.00 ft

MUD DATA----------

Mud Type	Chemical
Weight	9.20 lb/c
Vis.	46.00 S/L
W.L.	11.20 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	Shane McBride
Co. Rep.	Steve Davis
Contr.	Abercrombie
Rig #	8
Unit #	
Pump T.	

*** TOOL DIAGRAM *** CONV

ELL NAME: Moody #4

OCATION : 35-20-35

ICKET No. 9946 D.S.T. No. 3 DATE 6-20-97

OTAL TOOL TO BOTTOM OF TOP PACKERS 22

NTERVAL TOOL .....

OTTOM PACKERS AND ANCHOR 17

OTAL TOOL 39

RILL COLLAR ANCHOR IN INTERVAL .....

.C. ANCHOR STND.Stands Single Total

.P. ANCHOR STND.Stands Single Total

OTAL ASSEMBLY 39

.C. ABOVE TOOLS.Stands Single Total

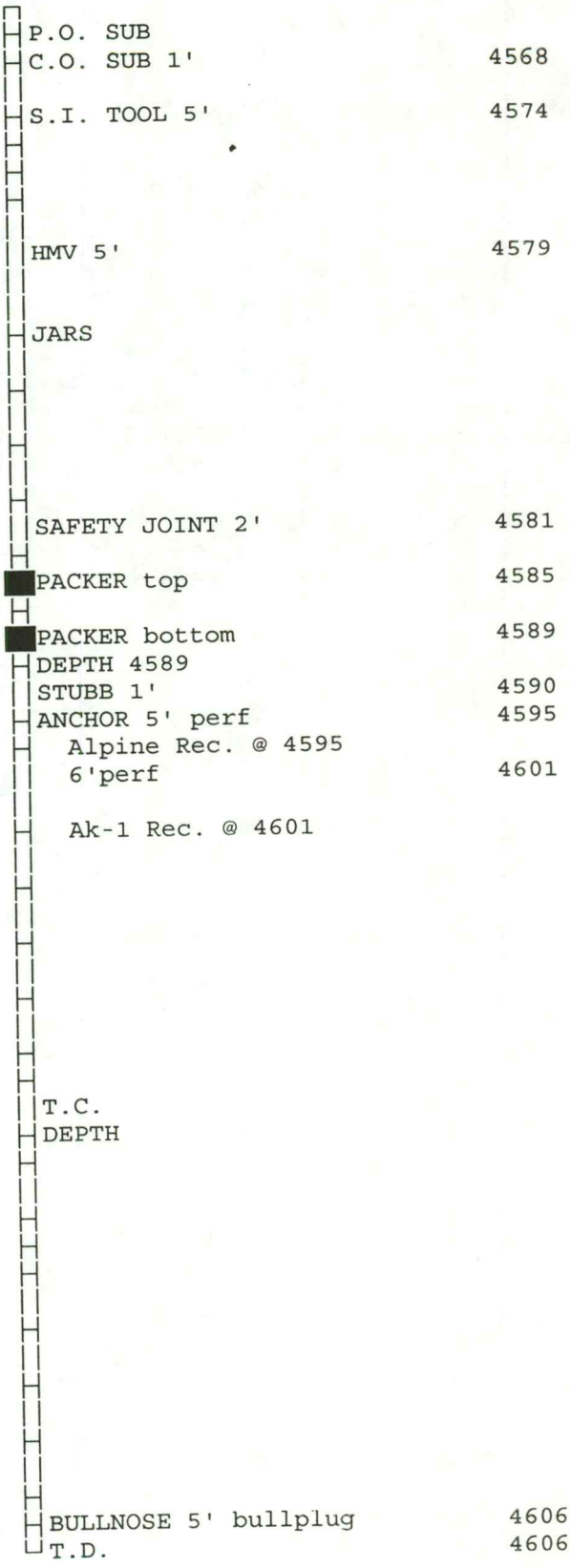
.P. ABOVE TOOLS.Stands74 Single 1 Total 4575

OTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4614

OTAL DEPTH 4606

OTAL DRILL PIPE ABOVE K.B. 8

EMARKS:



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9946 DST #3 Moody #4 Abercrombie Drilg. Co.

DATE: 06/20/97 TIME: 19:22:27

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	106.00	2263.2	0.0	107.49		
****** Start Flow 1	0.00	28.9	0.0	107.89		
	1.00	35.6	6.6	108.04		
	2.00	42.5	13.6	108.17		
	3.00	48.9	20.0	108.31		
	4.00	55.1	26.2	108.43		
	5.00	60.8	31.8	108.53		
	6.00	66.4	37.4	108.63		
	7.00	71.7	42.7	108.72		
	8.00	76.5	47.6	108.79		
	9.00	81.2	52.3	108.86		
	10.00	85.7	56.7	108.93		
	11.00	90.0	61.0	109.01		
	12.00	94.1	65.1	109.09		
	13.00	98.1	69.2	109.17		
	14.00	102.0	73.1	109.26		
	15.00	106.1	77.1	109.36		
	16.00	110.0	81.1	109.47		
	17.00	114.0	85.1	109.59		
	18.00	117.7	88.7	109.72		
	19.00	121.2	92.2	109.84		
	20.00	124.5	95.6	109.99		
	21.00	127.8	98.9	110.13		
	22.00	131.1	102.1	110.29		
	23.00	134.5	105.6	110.44		
	24.00	138.3	109.4	110.61		
	25.00	142.2	113.2	110.77		
	26.00	145.8	116.8	110.94		
	27.00	149.4	120.4	111.11		
****** End Flow 1	28.00	152.9	124.0	111.28		
****** Start Shutin 1	0.00	152.9	0.0	111.28	0.0000	0.023
	1.00	288.5	135.5	111.46	29.0000	0.083
	2.00	426.6	273.7	111.64	15.0000	0.182
	3.00	487.4	334.5	111.83	10.3333	0.238
	4.00	516.1	363.2	112.02	8.0000	0.266
	5.00	532.7	379.8	112.21	6.6000	0.284
	6.00	543.8	390.9	112.40	5.6667	0.296
	7.00	552.2	399.2	112.59	5.0000	0.305
	8.00	558.7	405.8	112.77	4.5000	0.312
	9.00	564.2	411.2	112.95	4.1111	0.318
	10.00	562.1	409.2	113.12	3.8000	0.316
	11.00	566.1	413.2	113.30	3.5455	0.320
	12.00	569.6	416.7	113.47	3.3333	0.324
	13.00	572.7	419.8	113.63	3.1538	0.328
	14.00	575.4	422.5	113.80	3.0000	0.331
	15.00	577.9	425.0	113.95	2.8667	0.334
	16.00	580.2	427.3	114.11	2.7500	0.337
	17.00	582.3	429.4	114.26	2.6471	0.339
	18.00	584.3	431.4	114.41	2.5556	0.341
	19.00	586.1	433.2	114.55	2.4737	0.343
	20.00	587.7	434.8	114.70	2.4000	0.345

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9946 DST #3 Moody #4 Abercrombie Drilg. Co.

DATE: 06/20/97 TIME: 19:22:27

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	21.00	589.3	436.4	114.82	2.3333	0.347
	22.00	590.8	437.9	114.96	2.2727	0.349
	23.00	592.1	439.2	115.08	2.2174	0.351
	24.00	593.4	440.5	115.21	2.1667	0.352
	25.00	594.6	441.7	115.33	2.1200	0.354
	26.00	595.7	442.8	115.45	2.0769	0.355
	27.00	596.8	443.9	115.57	2.0370	0.356
	28.00	597.9	445.0	115.67	2.0000	0.357
	29.00	598.8	445.9	115.78	1.9655	0.359
	30.00	599.7	446.8	115.88	1.9333	0.360
	31.00	600.7	447.8	115.98	1.9032	0.361
	32.00	601.6	448.7	116.07	1.8750	0.362
	33.00	602.4	449.5	116.17	1.8485	0.363
	34.00	603.2	450.3	116.25	1.8235	0.364
	35.00	603.9	451.0	116.34	1.8000	0.365
	36.00	604.6	451.7	116.44	1.7778	0.366
	37.00	605.4	452.5	116.50	1.7568	0.366
	38.00	606.0	453.1	116.58	1.7368	0.367
	39.00	606.7	453.8	116.66	1.7179	0.368
	40.00	607.2	454.3	116.74	1.7000	0.369
	41.00	607.9	455.0	116.79	1.6829	0.370
	42.00	608.4	455.5	116.86	1.6667	0.370
	43.00	609.0	456.1	116.92	1.6512	0.371
	44.00	609.5	456.6	116.99	1.6364	0.371
	45.00	610.1	457.2	117.05	1.6222	0.372
	46.00	610.5	457.6	117.10	1.6087	0.373
****** End Shut-in 1	47.00	610.7	457.8	117.16	1.5957	0.373
****** Start Flow 2	0.00	158.4	0.0	117.18		
	1.00	163.5	5.1	117.21		
	2.00	168.0	9.7	117.24		
	3.00	172.5	14.1	117.28		
	4.00	176.9	18.5	117.30		
	5.00	181.1	22.7	117.33		
	6.00	185.1	26.7	117.36		
	7.00	188.7	30.4	117.40		
	8.00	192.5	34.2	117.44		
	9.00	196.0	37.7	117.47		
	10.00	199.6	41.2	117.51		
	11.00	203.1	44.7	117.55		
	12.00	206.7	48.3	117.59		
	13.00	210.2	51.9	117.63		
	14.00	213.6	55.2	117.68		
	15.00	216.6	58.2	117.72		
	16.00	219.7	61.4	117.77		
	17.00	222.7	64.3	117.82		
	18.00	225.7	67.3	117.88		
	19.00	228.4	70.1	117.93		
	20.00	231.2	72.8	117.99		
	21.00	234.2	75.8	118.03		
	22.00	237.0	78.6	118.09		
	23.00	239.8	81.4	118.15		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9946 DST #3 Moody #4 Abercrombie Drilg. Co.

DATE: 06/20/97 TIME: 19:22:27

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	24.00	242.5	84.1	118.21		
	25.00	245.3	86.9	118.26		
	26.00	248.1	89.7	118.31		
	27.00	250.9	92.6	118.38		
	28.00	253.7	95.3	118.42		
	29.00	256.5	98.1	118.49		
	30.00	259.0	100.6	118.54		
	31.00	261.7	103.3	118.59		
	32.00	264.4	106.1	118.65		
	33.00	267.0	108.7	118.70		
	34.00	269.7	111.4	118.76		
	35.00	272.3	113.9	118.81		
	36.00	274.8	116.4	118.86		
	37.00	277.5	119.1	118.92		
	38.00	280.0	121.6	118.97		
	39.00	282.5	124.1	119.01		
	40.00	285.1	126.7	119.07		
	41.00	287.4	129.0	119.12		
	42.00	288.7	130.3	119.17		
	43.00	290.1	131.8	119.21		
	44.00	291.5	133.1	119.26		
	45.00	292.8	134.5	119.30		
	46.00	294.2	135.8	119.35		
	47.00	295.6	137.2	119.38		
	48.00	296.8	138.5	119.43		
	49.00	298.2	139.8	119.47		
	50.00	299.5	141.2	119.52		
	51.00	301.0	142.7	119.56		
	52.00	302.5	144.1	119.59		
	53.00	303.6	145.3	119.64		
	54.00	305.0	146.6	119.68		
	55.00	306.2	147.8	119.72		
	56.00	307.5	149.1	119.75		
	57.00	308.7	150.3	119.78		
	58.00	309.9	151.5	119.82		
****** End Flow 2	59.00	311.2	152.8	119.86		
****** Start Shutin 2	0.00	311.2	0.0	119.86	0.0000	0.097
	1.00	458.2	147.0	119.90	88.0000	0.210
	2.00	500.5	189.3	119.94	44.5000	0.250
	3.00	518.9	207.7	119.97	30.0000	0.269
	4.00	529.8	218.6	120.02	22.7500	0.281
	5.00	537.3	226.1	120.06	18.4000	0.289
	6.00	543.0	231.8	120.10	15.5000	0.295
	7.00	547.5	236.3	120.14	13.4286	0.300
	8.00	551.5	240.3	120.17	11.8750	0.304
	9.00	554.8	243.6	120.20	10.6667	0.308
	10.00	557.7	246.5	120.23	9.7000	0.311
	11.00	560.3	249.1	120.27	8.9091	0.314
	12.00	562.6	251.4	120.29	8.2500	0.317
	13.00	564.7	253.5	120.32	7.6923	0.319
	14.00	566.7	255.5	120.35	7.2143	0.321

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9946 DST #3 Moody #4 Abercrombie Drilg. Co.

DATE: 06/20/97 TIME: 19:22:27

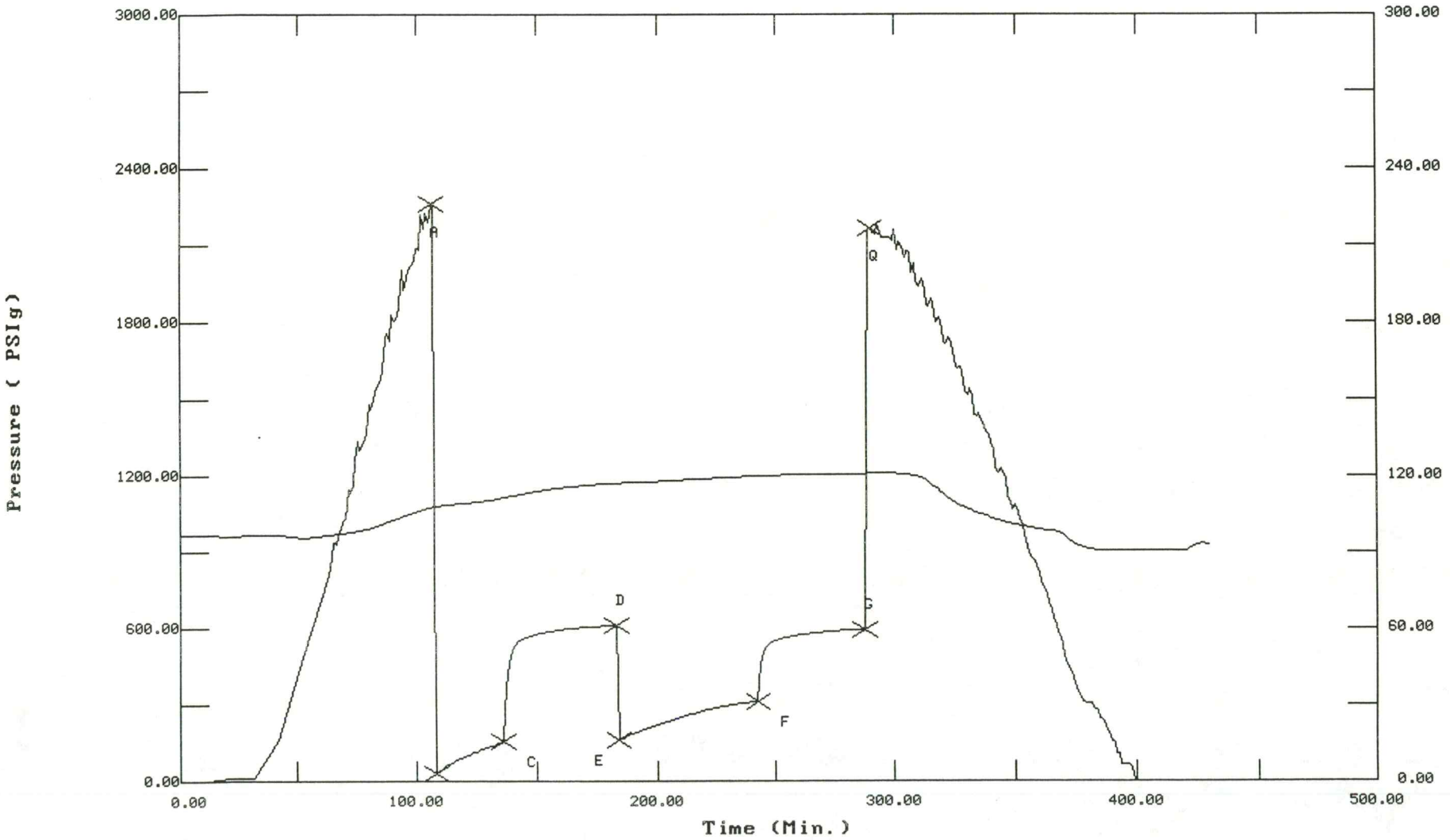
	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	15.00	568.6	257.4	120.38	6.8000	0.323
	16.00	570.2	259.0	120.40	6.4375	0.325
	17.00	571.8	260.6	120.43	6.1176	0.327
	18.00	573.2	262.0	120.45	5.8333	0.329
	19.00	574.6	263.4	120.48	5.5789	0.330
	20.00	575.9	264.7	120.49	5.3500	0.332
	21.00	577.2	266.0	120.51	5.1429	0.333
	22.00	578.3	267.1	120.53	4.9545	0.334
	23.00	579.4	268.2	120.55	4.7826	0.336
	24.00	580.4	269.2	120.57	4.6250	0.337
	25.00	581.4	270.2	120.57	4.4800	0.338
	26.00	582.5	271.3	120.60	4.3462	0.339
	27.00	583.4	272.2	120.60	4.2222	0.340
	28.00	584.3	273.1	120.62	4.1071	0.341
	29.00	585.1	273.9	120.64	4.0000	0.342
	30.00	585.9	274.7	120.65	3.9000	0.343
	31.00	586.7	275.5	120.66	3.8065	0.344
	32.00	587.5	276.3	120.67	3.7188	0.345
	33.00	588.2	277.0	120.69	3.6364	0.346
	34.00	588.9	277.7	120.69	3.5588	0.347
	35.00	589.6	278.4	120.70	3.4857	0.348
	36.00	590.3	279.1	120.71	3.4167	0.348
	37.00	590.8	279.6	120.71	3.3514	0.349
	38.00	591.5	280.3	120.71	3.2895	0.350
	39.00	592.0	280.8	120.73	3.2308	0.350
	40.00	592.6	281.4	120.74	3.1750	0.351
	41.00	593.2	282.0	120.74	3.1220	0.352
	42.00	593.8	282.6	120.74	3.0714	0.353
	43.00	594.3	283.1	120.74	3.0233	0.353
	44.00	594.8	283.6	120.75	2.9773	0.354
****** End Shut-in 2	45.00	595.3	284.1	120.75	2.9333	0.354
****** Final Hydro.	290.00	2168.7	0.0	120.90		

TEST HISTORY

9946 DST #3 Moody #4 Abercrombie Drilg. Co.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2263.19
B:	0.00	28.95
C:	28.00	152.91
D:	47.00	610.73
E:	0.00	158.36
F:	59.00	311.20
G:	45.00	595.29
Q:	0.00	2168.69



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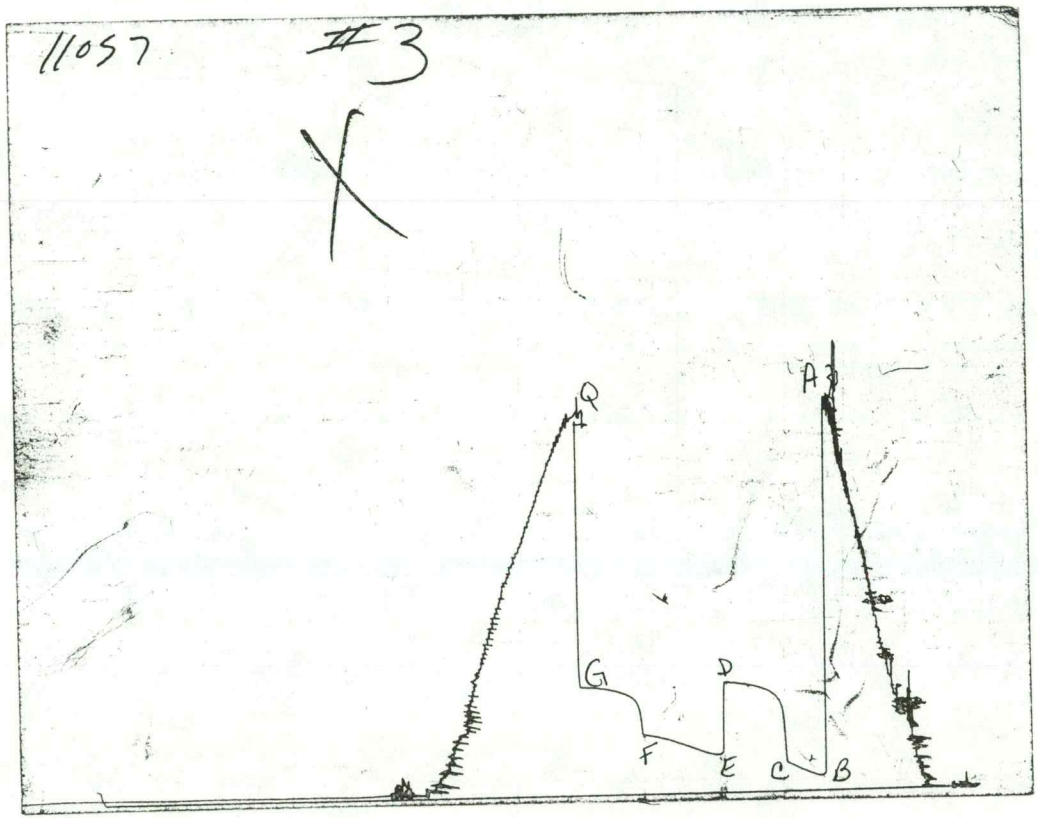


This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : Abercrombie Drillinc Co — DATE 6-21-97
WELL NAME: Moody #4 — KB 3157.00 ft — TICKET NO: 9947 — DST #4
LOCATION : 35-20-35 — GR 3152.00 ft — FORMATION: JOHNSON
INTERVAL : 4618.00 To 4635.00 ft — TD 4635.00 ft — TEST TYPE: CONV

RECORDER DATA

	Mins		Field	1	2	3	4
PF	30	Rec.	11057	11057	2342		
SI	30	Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0
SF	30	Clock(hrs)	12	12 hr	alpin		
FS	30	Depth(ft)	4630.0	4630.0	4624.0	0.0	0.0

TIME DATA----------
PF Fr. 1420 to 1450 hr
IS Fr. 1450 to 1520 hr
SF Fr. 1520 to 1550 hr
FS Fr. 1550 to 1620 hr

	Field	1	2	3	4
A. Init Hydro	2343.0	2335.0	2310.0	0.0	0.0
B. First Flow	44.0	42.0	16.0	0.0	0.0
B1. Final Flow	33.0	45.0	24.0	0.0	0.0
C. In Shut-in	347.0	353.0	369.0	0.0	0.0
D. Init Flow	44.0	53.0	28.0	0.0	0.0
E. Final Flow	56.0	62.0	30.0	0.0	0.0
F. Fl Shut-in	280.0	241.0	299.0	0.0	0.0
G. Final Hydro	2321.0	2277.0	2196.0	0.0	0.0
Inside/Outside	i	I	o		

T STARTED 1225 hr
T ON BOTM 1417 hr
T OPEN 1420 hr
T PULLED 1620 hr
T OUT 1845 hr

RECOVERY
Tot Fluid 30.00 ft of 0.00 ft in DC and 30.00 ft in DP
30.00 ft of Slightly Gassy Watery Oil Cut Mud
0.00 ft of 10%water 10%gas 20%oil 60%mud
0.00 ft of
30.00 ft of Gas in pipe
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 29000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION
Initial Flow:
Weak surface blow died in 13 mins

Initial Shut In:
No return

Final Flow:
Bubble to open tool, no blow, flushed tool, good surge, weak surface blow for rest of blow

Final Shut In:
No return

SAMPLES:
SENT TO:

Test Successful: Y

TOOL DATA----------

Tool Wt.	4000.00 lbs
Wt Set On Packer	26000.00 lbs
Wt Pulled Loose	76000.00 lbs
Initial Str Wt	54000.00 lbs
Unseated Str Wt	54000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.70 in
D.C. Length	0.00 ft
D.P. Length	4606.00 ft
H.W. I.D	2.70 in
H.W. Length	590.00 ft

MUD DATA----------

Mud Type	Chemical
Weight	9.20 lb/c
Vis.	47.00 S/L
W.L.	11.20 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	114.00 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	Shane McBride
Co. Rep.	Steve Davis
Contr.	Abercrombie
Rig #	8
Unit #	
Pump T.	

*** TOOL DIAGRAM *** CONV

ELL NAME: Moody #4

OCATION : 35-20-35

ICKET No. 9947 D.S.T. No. 4 DATE 6-21-97

OTAL TOOL TO BOTTOM OF TOP PACKERS 22

NTERVAL TOOL .....

OTTOM PACKERS AND ANCHOR 17

OTAL TOOL 39

RILL COLLAR ANCHOR IN INTERVAL .....

.C. ANCHOR STND.Stands Single Total

.P. ANCHOR STND.Stands Single Total

OTAL ASSEMBLY 39

.C. ABOVE TOOLS.Stands Single Total

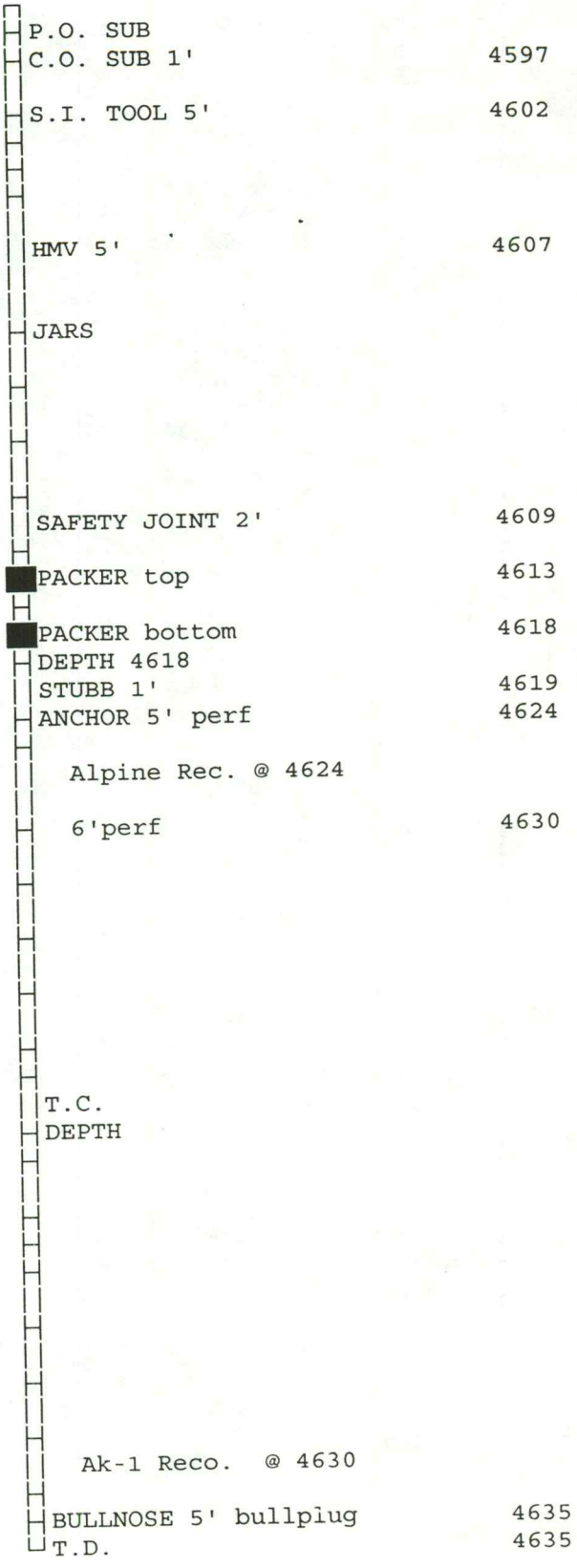
.P. ABOVE TOOLS.Stands75 Single Total 4606

OTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4645

OTAL DEPTH 4635

OTAL DRILL PIPE ABOVE K.B. 10

EMARKS:



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9947 DST #4 Moody #4 Abercrombie Drilg. Co.

DATE: 06/21/97 TIME: 11:28:58

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	114.00	2310.9	0.0	106.98		
****** Start Flow 1	0.00	16.9	0.0	107.58		
	1.00	18.6	1.8	107.83		
	2.00	17.9	1.0	108.09		
	3.00	18.5	1.6	108.36		
	4.00	19.3	2.4	108.58		
	5.00	19.7	2.9	108.77		
	6.00	19.8	2.9	108.93		
	7.00	20.4	3.5	109.05		
	8.00	21.0	4.1	109.14		
	9.00	21.2	4.4	109.22		
	10.00	21.2	4.4	109.27		
	11.00	21.5	4.6	109.31		
	12.00	21.9	5.0	109.35		
	13.00	22.1	5.2	109.38		
	14.00	21.8	5.0	109.42		
	15.00	22.3	5.5	109.46		
	16.00	22.6	5.7	109.51		
	17.00	22.8	6.0	109.59		
	18.00	22.8	6.0	109.67		
	19.00	23.0	6.1	109.79		
	20.00	23.2	6.3	109.92		
	21.00	23.2	6.4	110.07		
	22.00	23.5	6.6	110.22		
	23.00	23.8	7.0	110.36		
	24.00	24.0	7.1	110.49		
	25.00	24.2	7.4	110.61		
	26.00	24.6	7.7	110.72		
	27.00	24.7	7.8	110.83		
****** End Flow 1	28.00	24.8	8.0	110.92		
****** Start Shutin 1	0.00	24.8	0.0	110.92	0.0000	0.001
	1.00	25.1	0.3	111.03	29.0000	0.001
	2.00	27.3	2.4	111.13	15.0000	0.001
	3.00	31.6	6.8	111.23	10.3333	0.001
	4.00	36.2	11.3	111.33	8.0000	0.001
	5.00	41.1	16.3	111.43	6.6000	0.002
	6.00	46.5	21.7	111.52	5.6667	0.002
	7.00	52.3	27.4	111.61	5.0000	0.003
	8.00	58.7	33.9	111.69	4.5000	0.003
	9.00	66.0	41.2	111.78	4.1111	0.004
	10.00	74.4	49.6	111.85	3.8000	0.006
	11.00	84.1	59.3	111.94	3.5455	0.007
	12.00	94.9	70.1	112.00	3.3333	0.009
	13.00	107.5	82.7	112.07	3.1538	0.012
	14.00	121.8	96.9	112.15	3.0000	0.015
	15.00	137.9	113.1	112.22	2.8667	0.019
	16.00	155.9	131.1	112.29	2.7500	0.024
	17.00	176.2	151.3	112.34	2.6471	0.031
	18.00	198.2	173.4	112.40	2.5556	0.039
	19.00	221.2	196.4	112.45	2.4737	0.049
	20.00	244.2	219.4	112.50	2.4000	0.060

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9947 DST #4 Moody #4 Abercrombie Drilg. Co.

DATE: 06/21/97 TIME: 11:28:58

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	21.00	266.2	241.4	112.54	2.3333	0.071
	22.00	286.3	261.4	112.56	2.2727	0.082
	23.00	303.9	279.1	112.59	2.2174	0.092
	24.00	318.9	294.1	112.61	2.1667	0.102
	25.00	331.4	306.6	112.62	2.1200	0.110
	26.00	341.8	317.0	112.64	2.0769	0.117
	27.00	350.7	325.9	112.64	2.0370	0.123
	28.00	358.2	333.4	112.65	2.0000	0.128
	29.00	364.5	339.7	112.65	1.9655	0.133
***** End Shut-in 1	30.00	369.9	345.1	112.68	1.9333	0.137
***** Start Flow 2	0.00	28.2	0.0	112.66		
	1.00	28.2	0.0	112.67		
	2.00	28.6	0.4	112.69		
	3.00	28.9	0.8	112.72		
	4.00	29.3	1.1	112.76		
	5.00	29.5	1.3	112.80		
	6.00	29.7	1.5	112.84		
	7.00	29.9	1.7	112.90		
	8.00	30.0	1.8	112.94		
	9.00	2160.8	2132.6	113.09		
	10.00	29.0	0.8	113.08		
	11.00	27.8	-0.4	113.12		
	12.00	28.1	-0.1	113.15		
	13.00	28.2	-0.0	113.18		
	14.00	28.2	-0.0	113.21		
	15.00	28.3	0.1	113.25		
	16.00	28.3	0.1	113.29		
	17.00	28.4	0.3	113.32		
	18.00	28.7	0.5	113.36		
	19.00	28.9	0.8	113.39		
	20.00	29.0	0.8	113.43		
	21.00	29.2	1.0	113.46		
	22.00	29.2	1.0	113.49		
	23.00	29.5	1.3	113.52		
	24.00	29.5	1.3	113.54		
	25.00	29.8	1.6	113.57		
	26.00	29.9	1.7	113.60		
	27.00	30.0	1.8	113.61		
	28.00	30.1	1.9	113.64		
	29.00	30.4	2.2	113.67		
***** End Flow 2	30.00	30.6	2.4	113.69		
***** Start Shutin 2	0.00	30.6	0.0	113.69	0.0000	0.001
	1.00	34.0	3.4	113.72	59.0000	0.001
	2.00	38.4	7.8	113.74	30.0000	0.001
	3.00	43.0	12.4	113.76	20.3333	0.002
	4.00	47.7	17.0	113.79	15.5000	0.002
	5.00	52.5	21.9	113.81	12.6000	0.003
	6.00	57.6	27.0	113.83	10.6667	0.003
	7.00	63.1	32.5	113.86	9.2857	0.004
	8.00	68.8	38.2	113.89	8.2500	0.005
	9.00	75.0	44.4	113.92	7.4444	0.006

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9947 DST #4 Moody #4 Abercrombie Drilg. Co.

DATE: 06/21/97 TIME: 11:28:58

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	10.00	81.7	51.0	113.93	6.8000	0.007
	11.00	88.7	58.1	113.95	6.2727	0.008
	12.00	96.3	65.6	113.96	5.8333	0.009
	13.00	104.2	73.6	113.99	5.4615	0.011
	14.00	112.9	82.2	114.01	5.1429	0.013
	15.00	122.2	91.6	114.03	4.8667	0.015
	16.00	132.2	101.6	114.05	4.6250	0.017
	17.00	142.8	112.1	114.08	4.4118	0.020
	18.00	153.9	123.3	114.11	4.2222	0.024
	19.00	165.7	135.0	114.13	4.0526	0.027
	20.00	177.8	147.1	114.16	3.9000	0.032
	21.00	190.1	159.5	114.18	3.7619	0.036
	22.00	202.7	172.1	114.19	3.6364	0.041
	23.00	215.3	184.6	114.21	3.5217	0.046
	24.00	227.8	197.1	114.22	3.4167	0.052
	25.00	239.9	209.3	114.23	3.3200	0.058
	26.00	251.6	221.0	114.24	3.2308	0.063
	27.00	262.5	231.9	114.24	3.1481	0.069
	28.00	272.9	242.3	114.26	3.0714	0.074
	29.00	282.4	251.8	114.26	3.0000	0.080
	30.00	291.1	260.5	114.27	2.9333	0.085
****** End Shut-in 2	31.00	299.3	268.7	114.28	2.8710	0.090
****** Final Hydro.	239.00	2196.2	0.0	114.47		

TEST HISTORY

9947 DST #4 Moody #4 Abercrombie Drilg. Co.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2310.86
B:	0.00	16.86
C:	28.00	24.83
D:	30.00	369.95
E:	0.00	28.19
F:	30.00	30.63
G:	31.00	299.28
Q:	0.00	2196.21

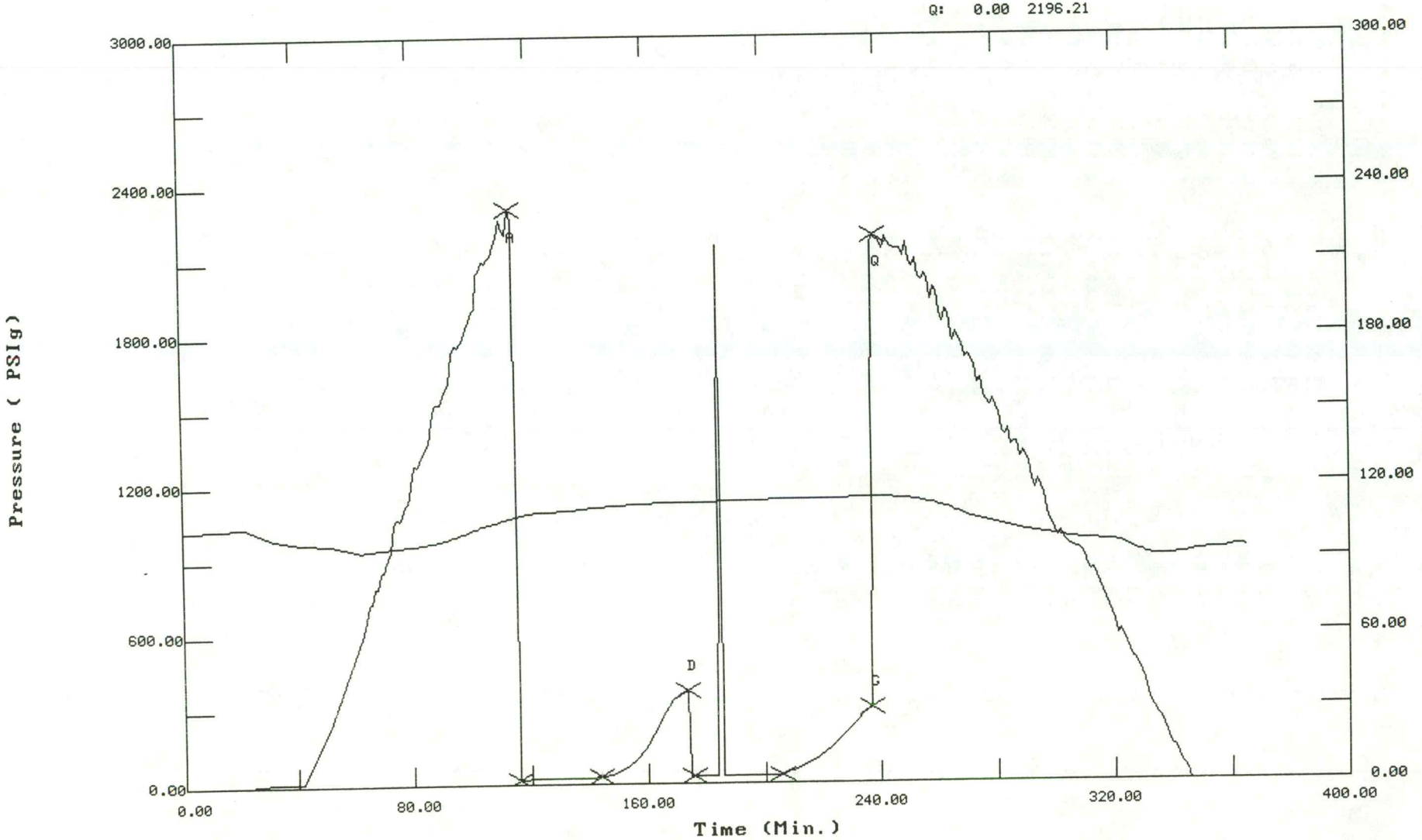
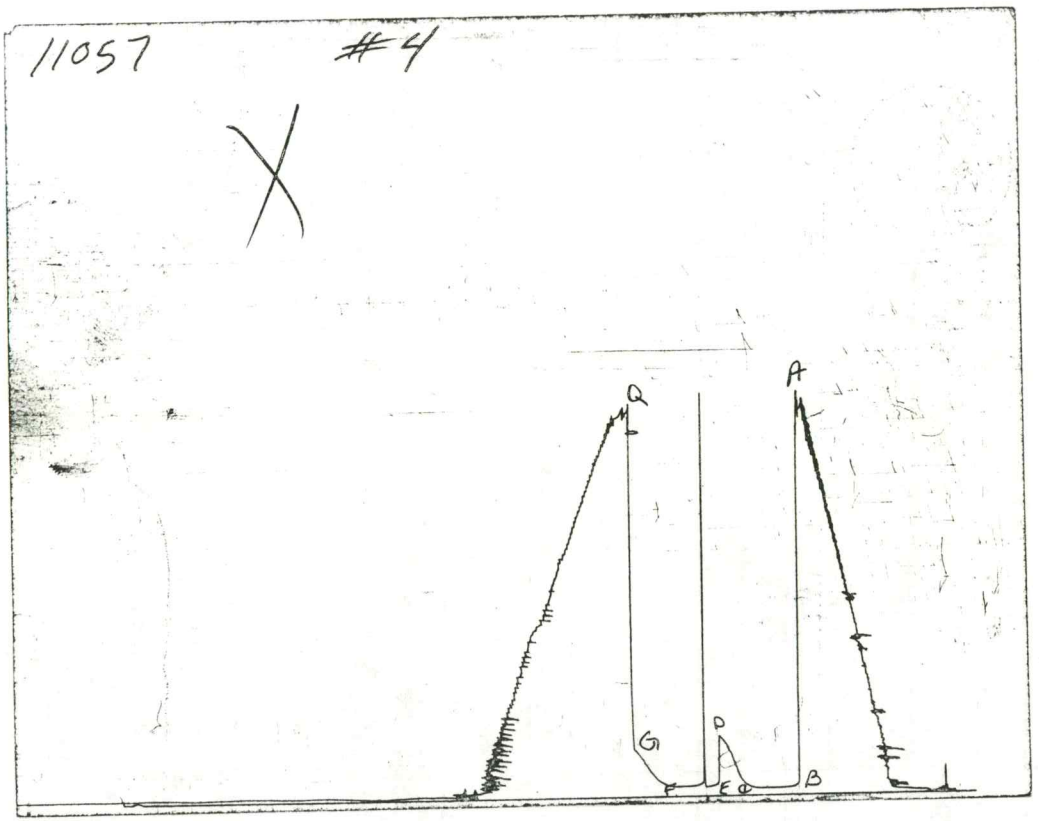


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart