

WELL NAME: Drumm Institute #2
COMPANY: T.J. Resources
LOCATION: Sec. 30 Twp.26S Rge. 8E
Butler County Kansas
DATE: 1/27/96

TRILOBITE TESTING L.L.C.

OPERATOR : T.J. Resources DATE 01-22-97
 WELL NAME: Drumm Institute #2 KB 1563.00 ft TICKET NO: 9483 DST #1
 LOCATION : 30-26s-8e Butler KS GR 1558.00 ft FORMATION: Bartlesville
 INTERVAL : 2712.00 To 2745.00 ft TD 2745.00 ft TEST TYPE: CONV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13788	13788	3024			PF Fr. 1845 to 1915 hr
SI 45 Range(Psi)	4650.0	4650.0	4995.0	0.0	0.0	IS Fr. 1915 to 2000 hr
SF 45 Clock(hrs)	12 HR	12 HR	Elec			SF Fr. 2000 to 2045 hr
FS 90 Depth(ft)	2742.0	2742.0	2718.0	0.0	0.0	FS Fr. 2045 to 2215 hr

	Field	1	2	3	4	
A. Init Hydro	1424.0	1472.0	1334.0	0.0	0.0	T STARTED 1653 hr
B. First Flow	42.0	56.0	22.0	0.0	0.0	T ON BOTM 1840 hr
B1. Final Flow	74.0	75.0	55.0	0.0	0.0	T OPEN 1845 hr
C. In Shut-in	365.0	355.0	372.0	0.0	0.0	T PULLED 2215 hr
D. Init Flow	74.0	81.0	62.0	0.0	0.0	T OUT 0010 hr
E. Final Flow	95.0	105.0	93.0	0.0	0.0	
F. Fl Shut-in	372.0	372.0	386.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1417.0	1339.0	1322.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 22000.00 lbs
						Wt Pulled Loose 44000.00 lbs
						Initial Str Wt 38000.00 lbs

RECOVERY

Tot Fluid 140.00 ft of	140.00 ft in DC and	0.00 ft in DP	Unseated Str Wt	39000.00 lbs
80.00 ft of Slight Oil Cut Mud	5%Oil 95%Mud		Bot Choke	0.75 in
60.00 ft of Slight Oil Cut Mud	3%oil 97%Mud		Hole Size	7.88 in
0.00 ft of			D Col. ID	2.25 in
140.00 ft of GAS IN PIPE			D. Pipe ID	3.80 in
0.00 ft of			D.C. Length	240.00 ft
0.00 ft of			D.P. Length	2484.00 ft
0.00 ft of				
0.00 ft of EST. FT. OF PAY-----	12			
SALINITY 3000.00 P.P.M.	A.P.I. Gravity	0.00		

BLOW DESCRIPTION

Initial Flow:
 Weak blow, 1 to 4.5 inches in water

Initial Shut In:

Final Flow:
 Weak Blow. 1 to 4.5 inches in water

Final Shut In:

SAMPLES:
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.40 lb/c
Vis.	46.00 S/L
W.L.	11.20 in3
F.C.	0.20 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	104.00 F
Hole Condition	good
% Porosity	12.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	None
Reversed Out N	
Tool Chased N	
Tester	Gary Pevoteaux
Co. Rep.	Bill Stout
Contr.	Berentz Drlg.
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONV.

WELL NAME: Drumm Institute #2

LOCATION : Sec.30 Twp.26s Rge.08e KS

TICKET No. 9483 D.S.T. No. 1 DATE 01-22-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 33

TOTAL TOOL 53

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 53

D.C. ABOVE TOOLS.Stands4 Single Total 240

D.P. ABOVE TOOLS.Stands40 Single Total 2484

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 2777

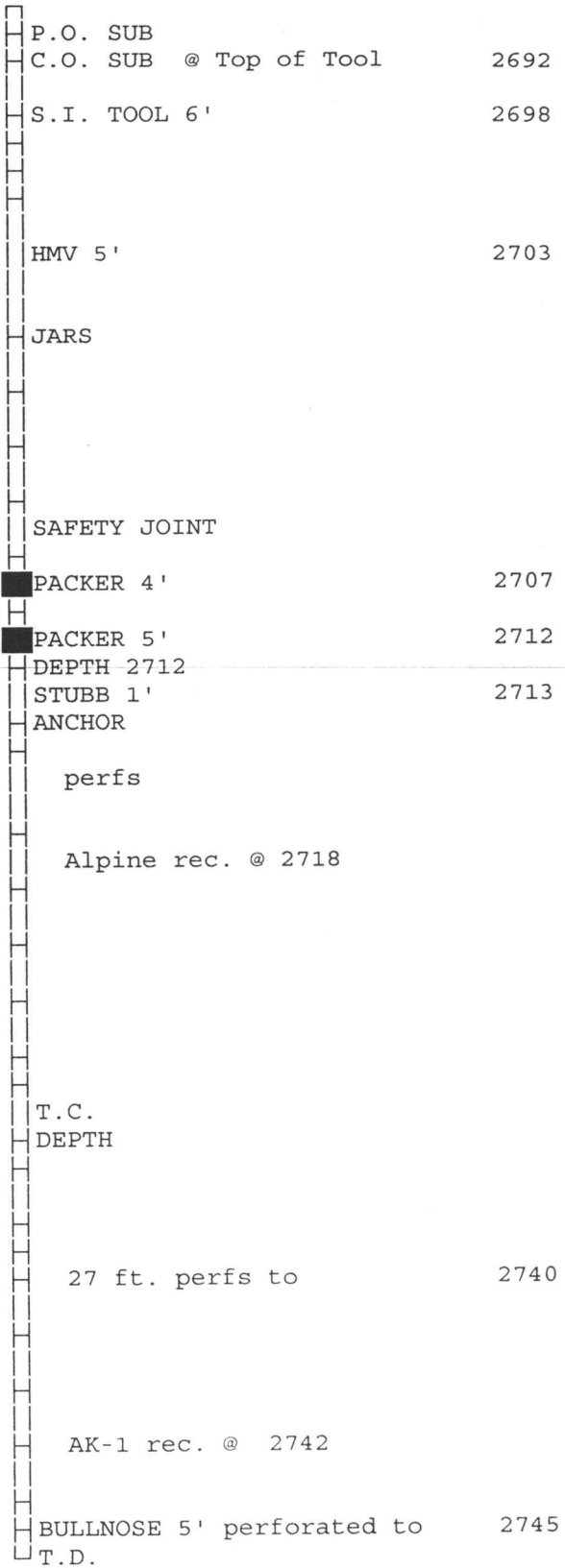
TOTAL DEPTH 2745

TOTAL DRILL PIPE ABOVE K.B. 32

REMARKS:
 FLUID SAMPLER DATA
 (not run)

GAS-----
 OIL-----
 MUD-----
 WATER-----
 OTHER-----
 PRESSURE-----

CHLORIDES----- degrees F
 ppm



 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 9483 DST#1 DRUMM INSTITUTE#2 T.J. RESOURCES
 DATE: 01/22/97 TIME: 16:53:14

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	100.00	1333.7	0.0	92.48		
***** Start Flow 1	0.00	22.0	0.0	95.83		
	1.00	25.0	3.0	96.03		
	2.00	27.3	5.3	96.37		
	3.00	28.9	6.9	96.76		
	4.00	30.6	8.6	97.13		
	5.00	32.1	10.1	97.44		
	6.00	33.5	11.5	97.66		
	7.00	34.8	12.8	97.85		
	8.00	36.0	14.0	97.99		
	9.00	37.2	15.2	98.12		
	10.00	38.3	16.3	98.25		
	11.00	39.4	17.4	98.37		
	12.00	40.2	18.2	98.46		
	13.00	41.2	19.2	98.55		
	14.00	42.3	20.3	98.66		
	15.00	43.5	21.5	98.74		
	16.00	44.1	22.1	98.82		
	17.00	45.0	23.0	98.92		
	18.00	45.7	23.7	98.99		
	19.00	46.7	24.7	99.06		
	20.00	47.5	25.5	99.13		
	21.00	48.6	26.6	99.19		
	22.00	49.7	27.7	99.22		
	23.00	50.0	28.0	99.27		
	24.00	50.6	28.6	99.30		
	25.00	51.4	29.4	99.35		
	26.00	52.2	30.2	99.39		
	27.00	53.1	31.1	99.47		
	28.00	53.8	31.8	99.56		
	29.00	54.7	32.7	99.64		
***** End Flow 1	30.00	55.1	33.1	99.70		
***** Start Shutin 1	0.00	55.1	0.0	99.70	0.0000	0.003
	1.00	61.2	6.1	99.75	31.0000	0.004
	2.00	69.0	13.9	99.79	16.0000	0.005
	3.00	78.2	23.0	99.83	11.0000	0.006
	4.00	89.0	33.9	99.85	8.5000	0.008
	5.00	101.9	46.8	99.86	7.0000	0.010
	6.00	117.0	61.8	99.89	6.0000	0.014
	7.00	134.0	78.8	99.90	5.2857	0.018
	8.00	152.2	97.1	99.91	4.7500	0.023
	9.00	171.8	116.6	99.92	4.3333	0.030
	10.00	191.4	136.3	99.96	4.0000	0.037
	11.00	209.0	153.9	99.98	3.7273	0.044
	12.00	224.5	169.4	100.01	3.5000	0.050
	13.00	238.3	183.2	100.04	3.3077	0.057
	14.00	250.7	195.6	100.07	3.1429	0.063
	15.00	261.8	206.6	100.12	3.0000	0.069
	16.00	271.8	216.7	100.13	2.8750	0.074
	17.00	280.8	225.7	100.17	2.7647	0.079
	18.00	289.0	233.8	100.20	2.6667	0.083

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	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	19.00	296.3	241.2	100.23	2.5789	0.088
	20.00	303.1	248.0	100.26	2.5000	0.092
	21.00	309.2	254.0	100.29	2.4286	0.096
	22.00	314.8	259.6	100.32	2.3636	0.099
	23.00	319.8	264.7	100.36	2.3043	0.102
	24.00	324.5	269.4	100.39	2.2500	0.105
	25.00	328.8	273.7	100.42	2.2000	0.108
	26.00	332.7	277.6	100.45	2.1538	0.111
	27.00	336.4	281.3	100.48	2.1111	0.113
	28.00	339.8	284.6	100.50	2.0714	0.115
	29.00	342.9	287.8	100.53	2.0345	0.118
	30.00	345.8	290.7	100.56	2.0000	0.120
	31.00	348.5	293.4	100.58	1.9677	0.121
	32.00	351.0	295.9	100.61	1.9375	0.123
	33.00	353.4	298.2	100.64	1.9091	0.125
	34.00	355.6	300.4	100.66	1.8824	0.126
	35.00	357.7	302.5	100.68	1.8571	0.128
	36.00	359.6	304.5	100.71	1.8333	0.129
	37.00	361.5	306.3	100.74	1.8108	0.131
	38.00	363.2	308.1	100.76	1.7895	0.132
	39.00	364.8	309.7	100.77	1.7692	0.133
	40.00	366.4	311.3	100.81	1.7500	0.134
	41.00	367.8	312.7	100.83	1.7317	0.135
	42.00	369.2	314.1	100.85	1.7143	0.136
	43.00	370.5	315.4	100.88	1.6977	0.137
***** End Shut-in 1	44.00	371.8	316.7	100.90	1.6818	0.138
***** Start Flow 2	0.00	61.6	0.0	100.92		
	1.00	62.6	1.0	100.94		
	2.00	64.1	2.4	100.95		
	3.00	65.4	3.8	100.97		
	4.00	66.7	5.0	100.98		
	5.00	67.6	6.0	101.01		
	6.00	68.4	6.8	101.03		
	7.00	69.3	7.6	101.05		
	8.00	70.2	8.5	101.07		
	9.00	71.0	9.4	101.10		
	10.00	72.0	10.3	101.14		
	11.00	72.8	11.2	101.18		
	12.00	73.5	11.9	101.21		
	13.00	74.4	12.7	101.25		
	14.00	75.1	13.5	101.30		
	15.00	75.7	14.1	101.36		
	16.00	76.5	14.9	101.42		
	17.00	77.2	15.5	101.49		
	18.00	77.8	16.2	101.55		
	19.00	78.5	16.8	101.62		
	20.00	79.1	17.5	101.66		
	21.00	79.8	18.1	101.70		
	22.00	80.4	18.8	101.75		
	23.00	81.1	19.4	101.78		
	24.00	81.8	20.1	101.81		

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	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	25.00	82.1	20.5	101.84		
	26.00	82.7	21.0	101.87		
	27.00	83.3	21.6	101.91		
	28.00	83.8	22.2	101.94		
	29.00	84.4	22.7	101.96		
	30.00	84.9	23.3	101.99		
	31.00	85.4	23.8	102.03		
	32.00	86.0	24.3	102.06		
	33.00	86.5	24.9	102.09		
	34.00	87.0	25.4	102.12		
	35.00	87.6	25.9	102.15		
	36.00	88.1	26.4	102.17		
	37.00	88.6	26.9	102.20		
	38.00	89.1	27.5	102.23		
	39.00	89.7	28.0	102.26		
	40.00	90.2	28.5	102.29		
	41.00	90.7	29.1	102.32		
	42.00	91.3	29.7	102.34		
	43.00	91.8	30.2	102.38		
***** End Flow 2	44.00	93.1	31.4	102.41		
***** Start Shutin 2	0.00	93.1	0.0	102.41	0.0000	0.009
	1.00	107.0	14.0	102.44	75.0000	0.011
	2.00	121.8	28.7	102.47	38.0000	0.015
	3.00	137.7	44.6	102.51	25.6667	0.019
	4.00	154.1	61.0	102.55	19.5000	0.024
	5.00	170.3	77.2	102.59	15.8000	0.029
	6.00	185.7	92.6	102.63	13.3333	0.034
	7.00	200.1	107.0	102.67	11.5714	0.040
	8.00	213.1	120.0	102.70	10.2500	0.045
	9.00	225.0	131.9	102.73	9.2222	0.051
	10.00	235.7	142.6	102.75	8.4000	0.056
	11.00	245.4	152.3	102.77	7.7273	0.060
	12.00	254.2	161.1	102.80	7.1667	0.065
	13.00	262.2	169.1	102.82	6.6923	0.069
	14.00	269.6	176.5	102.83	6.2857	0.073
	15.00	276.3	183.2	102.86	5.9333	0.076
	16.00	282.5	189.4	102.87	5.6250	0.080
	17.00	288.2	195.1	102.88	5.3529	0.083
	18.00	293.5	200.4	102.89	5.1111	0.086
	19.00	298.4	205.3	102.91	4.8947	0.089
	20.00	302.9	209.8	102.92	4.7000	0.092
	21.00	307.1	214.1	102.93	4.5238	0.094
	22.00	311.1	218.0	102.93	4.3636	0.097
	23.00	314.8	221.7	102.94	4.2174	0.099
	24.00	318.2	225.1	102.95	4.0833	0.101
	25.00	321.4	228.3	102.96	3.9600	0.103
	26.00	324.4	231.4	102.99	3.8462	0.105
	27.00	327.3	234.2	102.99	3.7407	0.107
	28.00	330.0	236.9	102.99	3.6429	0.109
	29.00	332.5	239.4	103.01	3.5517	0.111
	30.00	334.9	241.8	103.02	3.4667	0.112

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

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DATE: 01/22/97

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Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
31.00	337.2	244.1	103.03	3.3871	0.114
32.00	339.3	246.2	103.04	3.3125	0.115
33.00	341.3	248.2	103.05	3.2424	0.117
34.00	343.3	250.2	103.06	3.1765	0.118
35.00	345.1	252.0	103.07	3.1143	0.119
36.00	346.8	253.7	103.08	3.0556	0.120
37.00	348.5	255.4	103.09	3.0000	0.121
38.00	350.1	257.0	103.10	2.9474	0.123
39.00	351.6	258.5	103.11	2.8974	0.124
40.00	353.0	259.9	103.13	2.8500	0.125
41.00	354.4	261.3	103.13	2.8049	0.126
42.00	355.7	262.6	103.15	2.7619	0.127
43.00	357.0	263.9	103.15	2.7209	0.127
44.00	358.2	265.1	103.16	2.6818	0.128
45.00	359.4	266.3	103.17	2.6444	0.129
46.00	360.5	267.4	103.19	2.6087	0.130
47.00	361.6	268.5	103.20	2.5745	0.131
48.00	362.6	269.5	103.20	2.5417	0.131
49.00	363.6	270.5	103.21	2.5102	0.132
50.00	364.6	271.5	103.22	2.4800	0.133
51.00	365.5	272.5	103.23	2.4510	0.134
52.00	366.4	273.4	103.25	2.4231	0.134
53.00	367.3	274.2	103.25	2.3962	0.135
54.00	368.2	275.1	103.26	2.3704	0.136
55.00	369.0	275.9	103.27	2.3455	0.136
56.00	369.7	276.7	103.29	2.3214	0.137
57.00	370.5	277.4	103.29	2.2982	0.137
58.00	371.2	278.2	103.30	2.2759	0.138
59.00	372.0	278.9	103.31	2.2542	0.138
60.00	372.6	279.5	103.32	2.2333	0.139
61.00	373.3	280.2	103.33	2.2131	0.139
62.00	374.0	280.9	103.34	2.1935	0.140
63.00	374.6	281.5	103.35	2.1746	0.140
64.00	375.2	282.1	103.36	2.1562	0.141
65.00	375.8	282.7	103.37	2.1385	0.141
66.00	376.4	283.3	103.38	2.1212	0.142
67.00	377.0	283.9	103.39	2.1045	0.142
68.00	377.5	284.4	103.40	2.0882	0.143
69.00	378.1	285.0	103.41	2.0725	0.143
70.00	378.6	285.5	103.42	2.0571	0.143
71.00	379.1	286.0	103.43	2.0423	0.144
72.00	379.6	286.5	103.44	2.0278	0.144
73.00	380.1	287.0	103.45	2.0137	0.144
74.00	380.5	287.5	103.46	2.0000	0.145
75.00	381.0	287.9	103.47	1.9867	0.145
76.00	381.4	288.3	103.49	1.9737	0.145
77.00	381.9	288.8	103.49	1.9610	0.146
78.00	382.3	289.2	103.51	1.9487	0.146
79.00	382.7	289.6	103.52	1.9367	0.146
80.00	383.1	290.0	103.52	1.9250	0.147
81.00	383.5	290.4	103.52	1.9136	0.147

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	82.00	383.9	290.8	103.54	1.9024	0.147
	83.00	384.3	291.2	103.56	1.8916	0.148
	84.00	384.6	291.6	103.56	1.8810	0.148
	85.00	385.0	291.9	103.57	1.8706	0.148
	86.00	385.4	292.3	103.58	1.8605	0.149
	87.00	385.7	292.6	103.59	1.8506	0.149
	88.00	386.1	293.0	103.60	1.8409	0.149
***** End Shut-in 2	89.00	386.4	293.3	103.61	1.8315	0.149
***** Final Hydro.	331.00	1321.9	0.0	103.92		

TEST HISTORY

9483 DST#1 DRUMM INSTITUTE#2 T. J. RESOURCES

Flag Points

t (Min.)	P (PSig)
A: 0.00	1333.74
B: 0.00	22.01
C: 30.00	55.12
D: 44.00	371.81
E: 0.00	61.65
F: 44.00	93.09
G: 89.00	386.39
Q: 0.00	1321.92

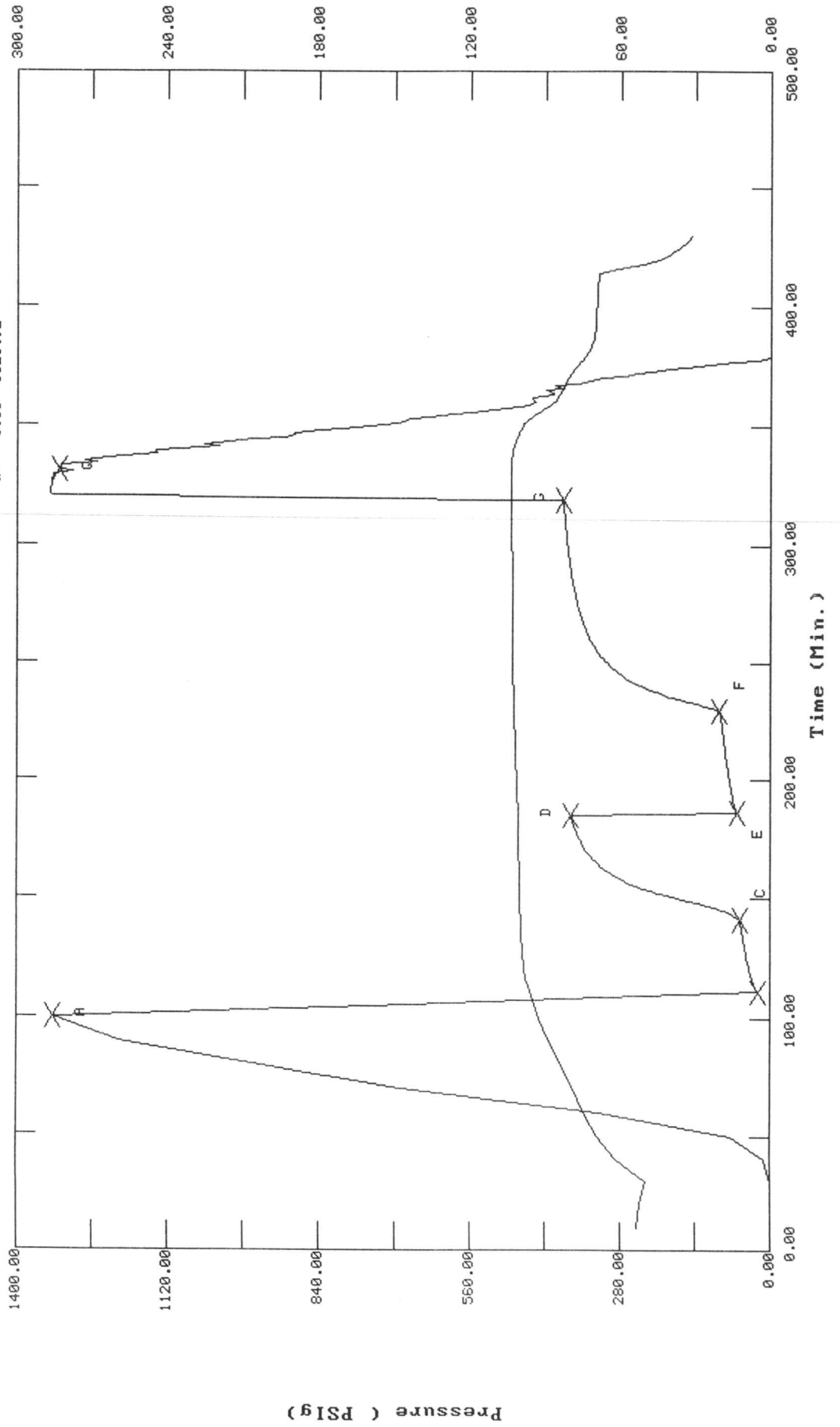
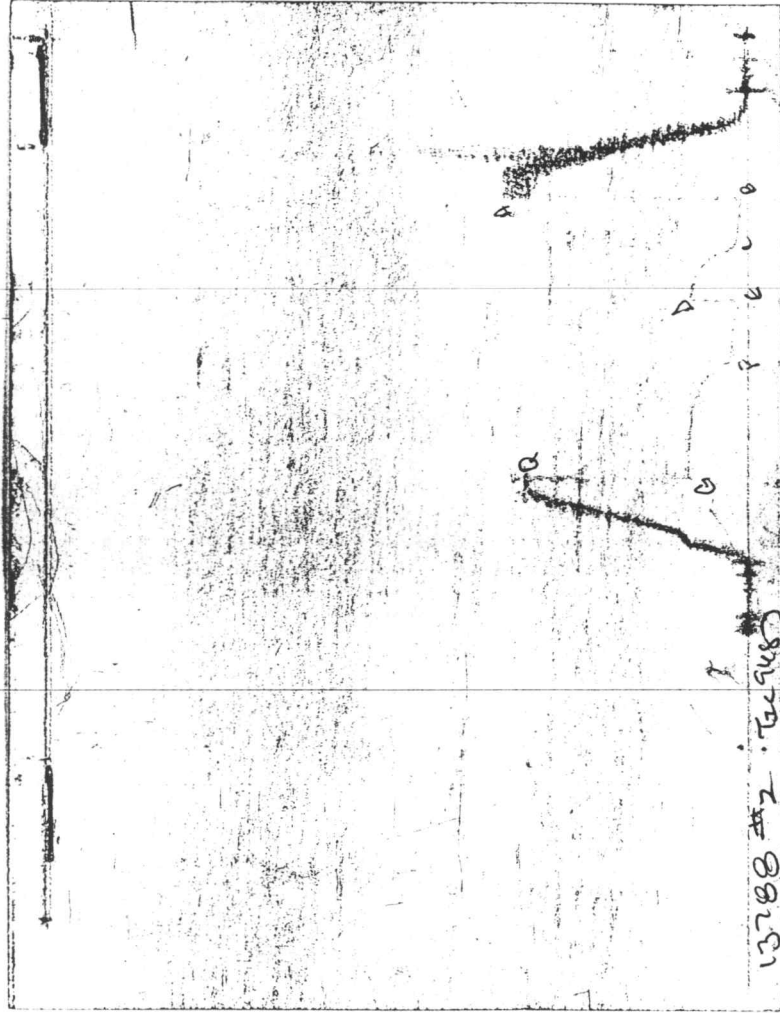


CHART PAGE



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