

Well Name: Korf #1
Company: Enerstar Resources L.C.
Location: 7-23S-22W
Hodgeman County Kansas
Date: 10-6-97

TRILOBITE TESTING L.L.C.

OPERATOR : Enerstar Res. L C

DATE 10-5-97

WELL NAME: Korf #1

KB 2269.00 ft

TICKET NO: 10425

DST #1

LOCATION : 7-23-22-Hodgeman Co Ks

GR 2261.00 ft

FORMATION: Miss

INTERVAL : 4450.00 To 4514.00 ft

TD 4514.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	13754	13754	3227			PF Fr. 0450 to 0505 hr
SI 30 Range(Psi)	4000.0	4000.0	4985.0	0.0	0.0	IS Fr. 0505 to 0535 hr
SF 60 Clock(hrs)	12	12	Elect			SF Fr. 0535 to 0635 hr
FS 60 Depth(ft)	4511.0	4511.0	4457.0	0.0	0.0	FS Fr. 0635 to 0735 hr

	Field	1	2	3	4	
A. Init Hydro	2238.0	2213.0	2214.0	0.0	0.0	T STARTED 0225 hr
B. First Flow	98.0	107.0	41.0	0.0	0.0	T ON BOTM 0440 hr
Bl. Final Flow	98.0	111.0	54.0	0.0	0.0	T OPEN 0450 hr
C. In Shut-in	1286.0	1312.0	1315.0	0.0	0.0	T PULLED 0735 hr
D. Init Flow	108.0	119.0	57.0	0.0	0.0	T OUT 0925 hr
E. Final Flow	127.0	131.0	90.0	0.0	0.0	
F. Fl Shut-in	1316.0	1324.0	1335.0	0.0	0.0	
G. Final Hydro	2188.0	1191.0	2215.0	0.0	0.0	
Inside/Outside	0	0	I			

RECOVERY

Tot Fluid 124.00 ft of 0.00 ft in DC and 124.00 ft in DP
 124.00 ft of Gas in pipe
 62.00 ft of Mud & Gas cut oil 20%gas 50%oil 30%mud
 62.00 ft of Oil cut mud 30%oil 70%mud
 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

BLOW DESCRIPTION

Initial Blow:
 Weak building to 2 1/2"

Final Blow:
 Weak building to 4"

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chem
Weight	9.20 lb/c
Vis.	48.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	118.00 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	Dan Bangle
Co. Rep.	Tom Folsom
Contr.	Duke
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONV

ELL NAME: Korf #1

LOCATION : 7-23-22-Hodgeman Co Ks

TICKET No. 10425 D.S.T. No. 1 DATE 10-5-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 31

INTERVAL TOOL

TOTAL PACKERS AND ANCHOR 33

TOTAL TOOL 64

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY 95

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands72 Single 1 Total 4440

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4535

TOTAL DEPTH 4514

TOTAL DRILL PIPE ABOVE K.B. 21

REMARKS:

SAMPLER RECOVERY

Gas 0
Oil 50%
Mud 50%
Water 0
Pressure 300
Total 3800 ML

P.O. SUB	4295
C.O. SUB	4419
S.I. TOOL	4425
Sampler	4428
HMV	4433
JARS	4438
SAFETY JOINT	4441
PACKER	4445
PACKER	4450
DEPTH 4450	
STUBB 1'	4451
ANCHOR 5' Perfs	4456
1' co sub	4457
Alpine @ 4457	
1 jt dp 31'	4488
1' co sub	4489
T.C.	
DEPTH	
5' Perfs	4494
5' Perfs	4499
5' Perfs	4504
5' Perfs	4509
AK-1 @ 4511	
BULLNOSE 5' Bullplug	4514
T.D.	

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk #10425 DST #1 Korf #1 Enerstar Res. L.C.

DATE: 10/05/97

TIME: 02:26:13

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	138.00	2214.6	0.0	114.86		
***** Start Flow 1	0.00	41.2	0.0	114.83		
	1.00	41.9	0.7	114.77		
	2.00	42.4	1.3	114.71		
	3.00	44.1	2.9	114.66		
	4.00	44.6	3.4	114.62		
	5.00	45.8	4.6	114.60		
	6.00	46.7	5.5	114.59		
	7.00	47.5	6.3	114.59		
	8.00	48.1	7.0	114.60		
	9.00	48.8	7.7	114.61		
	10.00	49.4	8.3	114.63		
	11.00	50.0	8.8	114.65		
	12.00	50.7	9.6	114.68		
	13.00	51.6	10.5	114.70		
	14.00	52.2	11.1	114.74		
	15.00	52.9	11.8	114.77		
***** End Flow 1	16.00	53.7	12.5	114.80		
***** Start Shutin 1	0.00	53.7	0.0	114.80	0.0000	0.003
	1.00	76.9	23.2	114.84	17.0000	0.006
	2.00	125.2	71.5	114.87	9.0000	0.016
	3.00	272.5	218.8	114.92	6.3333	0.074
	4.00	593.5	539.8	114.97	5.0000	0.352
	5.00	839.4	785.7	115.04	4.2000	0.705
	6.00	978.0	924.3	115.11	3.6667	0.956
	7.00	1059.5	1005.8	115.19	3.2857	1.122
	8.00	1111.6	1057.9	115.26	3.0000	1.236
	9.00	1147.5	1093.8	115.33	2.7778	1.317
	10.00	1174.0	1120.3	115.39	2.6000	1.378
	11.00	1194.5	1140.9	115.45	2.4545	1.427
	12.00	1211.2	1157.5	115.50	2.3333	1.467
	13.00	1225.3	1171.6	115.55	2.2308	1.501
	14.00	1237.3	1183.6	115.59	2.1429	1.531
	15.00	1247.8	1194.1	115.63	2.0667	1.557
	16.00	1257.1	1203.4	115.68	2.0000	1.580
	17.00	1265.4	1211.7	115.71	1.9412	1.601
	18.00	1272.8	1219.1	115.74	1.8889	1.620
	19.00	1279.3	1225.6	115.78	1.8421	1.637
	20.00	1285.2	1231.5	115.81	1.8000	1.652
	21.00	1290.5	1236.8	115.84	1.7619	1.665
	22.00	1295.4	1241.7	115.86	1.7273	1.678
	23.00	1300.0	1246.3	115.90	1.6957	1.690
	24.00	1304.2	1250.5	115.92	1.6667	1.701
	25.00	1308.1	1254.4	115.95	1.6400	1.711
	26.00	1312.0	1258.3	115.96	1.6154	1.721
	27.00	1315.7	1262.0	115.99	1.5926	1.731
	28.00	1319.2	1265.5	116.02	1.5714	1.740
	29.00	1322.6	1268.9	116.04	1.5517	1.749
***** End Shut-in 1	30.00	1315.2	1261.5	116.06	1.5333	1.730
***** Start Flow 2	0.00	57.0	0.0	116.05		
	1.00	57.2	0.3	116.02		

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
2.00	57.7	0.7	115.99		
3.00	58.3	1.3	115.95		
4.00	58.9	2.0	115.88		
5.00	59.5	2.6	115.82		
6.00	60.3	3.3	115.75		
7.00	60.9	3.9	115.67		
8.00	61.6	4.7	115.58		
9.00	62.4	5.4	115.49		
10.00	63.0	6.1	115.41		
11.00	63.7	6.7	115.36		
12.00	64.3	7.3	115.30		
13.00	64.9	7.9	115.28		
14.00	65.5	8.5	115.26		
15.00	66.1	9.1	115.25		
16.00	66.6	9.7	115.25		
17.00	67.2	10.2	115.25		
18.00	67.8	10.8	115.25		
19.00	68.3	11.3	115.26		
20.00	68.7	11.8	115.27		
21.00	69.4	12.4	115.29		
22.00	70.0	13.0	115.30		
23.00	70.5	13.6	115.32		
24.00	71.1	14.2	115.35		
25.00	71.7	14.8	115.37		
26.00	72.2	15.3	115.39		
27.00	72.7	15.8	115.40		
28.00	73.3	16.3	115.42		
29.00	73.9	16.9	115.44		
30.00	74.6	17.6	115.47		
31.00	75.2	18.2	115.49		
32.00	75.7	18.7	115.52		
33.00	76.2	19.3	115.54		
34.00	76.8	19.8	115.57		
35.00	77.3	20.4	115.59		
36.00	77.8	20.8	115.61		
37.00	78.3	21.3	115.64		
38.00	78.9	21.9	115.69		
39.00	79.3	22.4	115.77		
40.00	79.8	22.9	115.93		
41.00	80.3	23.3	116.16		
42.00	80.8	23.8	116.41		
43.00	81.3	24.3	116.63		
44.00	81.8	24.8	116.82		
45.00	82.3	25.3	116.96		
46.00	82.7	25.8	117.07		
47.00	83.3	26.4	117.15		
48.00	83.7	26.8	117.24		
49.00	84.3	27.4	117.30		
50.00	84.8	27.8	117.37		
51.00	85.2	28.2	117.42		
52.00	85.7	28.8	117.45		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

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DATE: 10/05/97

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	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	53.00	86.3	29.3	117.46		
	54.00	86.8	29.9	117.44		
	55.00	87.4	30.5	117.43		
	56.00	88.0	31.1	117.43		
	57.00	88.6	31.6	117.42		
	58.00	89.1	32.2	117.40		
***** End Flow 2	59.00	89.6	32.7	117.37		
***** Start Shutin 2	0.00	89.6	0.0	117.37	0.0000	0.008
	1.00	110.4	20.8	117.33	76.0000	0.012
	2.00	142.8	53.2	117.31	38.5000	0.020
	3.00	195.5	105.9	117.29	26.0000	0.038
	4.00	288.5	198.9	117.28	19.7500	0.083
	5.00	439.7	350.0	117.29	16.0000	0.193
	6.00	614.7	525.1	117.31	13.5000	0.378
	7.00	757.3	667.6	117.35	11.7143	0.573
	8.00	856.0	766.4	117.40	10.3750	0.733
	9.00	923.1	833.4	117.44	9.3333	0.852
	10.00	970.4	880.7	117.49	8.5000	0.942
	11.00	1005.3	915.6	117.54	7.8182	1.011
	12.00	1032.2	942.6	117.59	7.2500	1.065
	13.00	1054.3	964.6	117.63	6.7692	1.111
	14.00	1072.8	983.1	117.67	6.3571	1.151
	15.00	1089.0	999.4	117.72	6.0000	1.186
	16.00	1103.5	1013.9	117.76	5.6875	1.218
	17.00	1116.7	1027.1	117.79	5.4118	1.247
	18.00	1128.9	1039.3	117.83	5.1667	1.274
	19.00	1140.9	1051.2	117.86	4.9474	1.302
	20.00	1152.6	1062.9	117.89	4.7500	1.328
	21.00	1164.2	1074.5	117.93	4.5714	1.355
	22.00	1176.1	1086.4	117.95	4.4091	1.383
	23.00	1187.7	1098.1	117.98	4.2609	1.411
	24.00	1198.7	1109.0	118.01	4.1250	1.437
	25.00	1208.9	1119.3	118.04	4.0000	1.462
	26.00	1218.5	1128.8	118.06	3.8846	1.485
	27.00	1227.2	1137.6	118.09	3.7778	1.506
	28.00	1235.4	1145.8	118.12	3.6786	1.526
	29.00	1243.0	1153.4	118.14	3.5862	1.545
	30.00	1250.1	1160.5	118.17	3.5000	1.563
	31.00	1256.5	1166.9	118.19	3.4194	1.579
	32.00	1262.4	1172.8	118.22	3.3438	1.594
	33.00	1267.8	1178.2	118.23	3.2727	1.607
	34.00	1272.9	1183.3	118.26	3.2059	1.620
	35.00	1277.5	1187.9	118.29	3.1429	1.632
	36.00	1281.8	1192.2	118.31	3.0833	1.643
	37.00	1285.9	1196.2	118.33	3.0270	1.654
	38.00	1289.7	1200.1	118.36	2.9737	1.663
	39.00	1293.2	1203.5	118.38	2.9231	1.672
	40.00	1296.5	1206.9	118.40	2.8750	1.681
	41.00	1299.6	1209.9	118.43	2.8293	1.689
	42.00	1302.5	1212.8	118.44	2.7857	1.696
	43.00	1305.2	1215.6	118.47	2.7442	1.704

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

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DATE: 10/05/97

TIME: 02:26:13

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	44.00	1307.9	1218.2	118.49	2.7045	1.711
	45.00	1310.3	1220.7	118.51	2.6667	1.717
	46.00	1312.6	1223.0	118.53	2.6304	1.723
	47.00	1314.9	1225.2	118.55	2.5957	1.729
	48.00	1317.1	1227.4	118.57	2.5625	1.735
	49.00	1319.0	1229.4	118.59	2.5306	1.740
	50.00	1321.0	1231.3	118.61	2.5000	1.745
	51.00	1322.8	1233.2	118.63	2.4706	1.750
	52.00	1324.6	1234.9	118.65	2.4423	1.754
	53.00	1326.2	1236.5	118.67	2.4151	1.759
	54.00	1327.8	1238.1	118.68	2.3889	1.763
	55.00	1329.3	1239.6	118.71	2.3636	1.767
	56.00	1330.8	1241.1	118.73	2.3393	1.771
	57.00	1332.1	1242.5	118.75	2.3158	1.775
	58.00	1333.5	1243.8	118.77	2.2931	1.778
***** End Shut-in 2	59.00	1334.7	1245.1	118.79	2.2712	1.781
***** Final Hydro.	305.00	2215.3	0.0	118.82		

TEST HISTORY

Tk #10425 DST #1 Korf #1 Enerstar Res. L.C.

Flag Points
t(Min.) P(PSig)

A:	0.00	2214.62
B:	0.00	41.16
C:	16.00	53.68
D:	30.00	1315.17
E:	0.00	56.96
F:	59.00	89.65
G:	59.00	1334.70
H:	0.00	2215.34

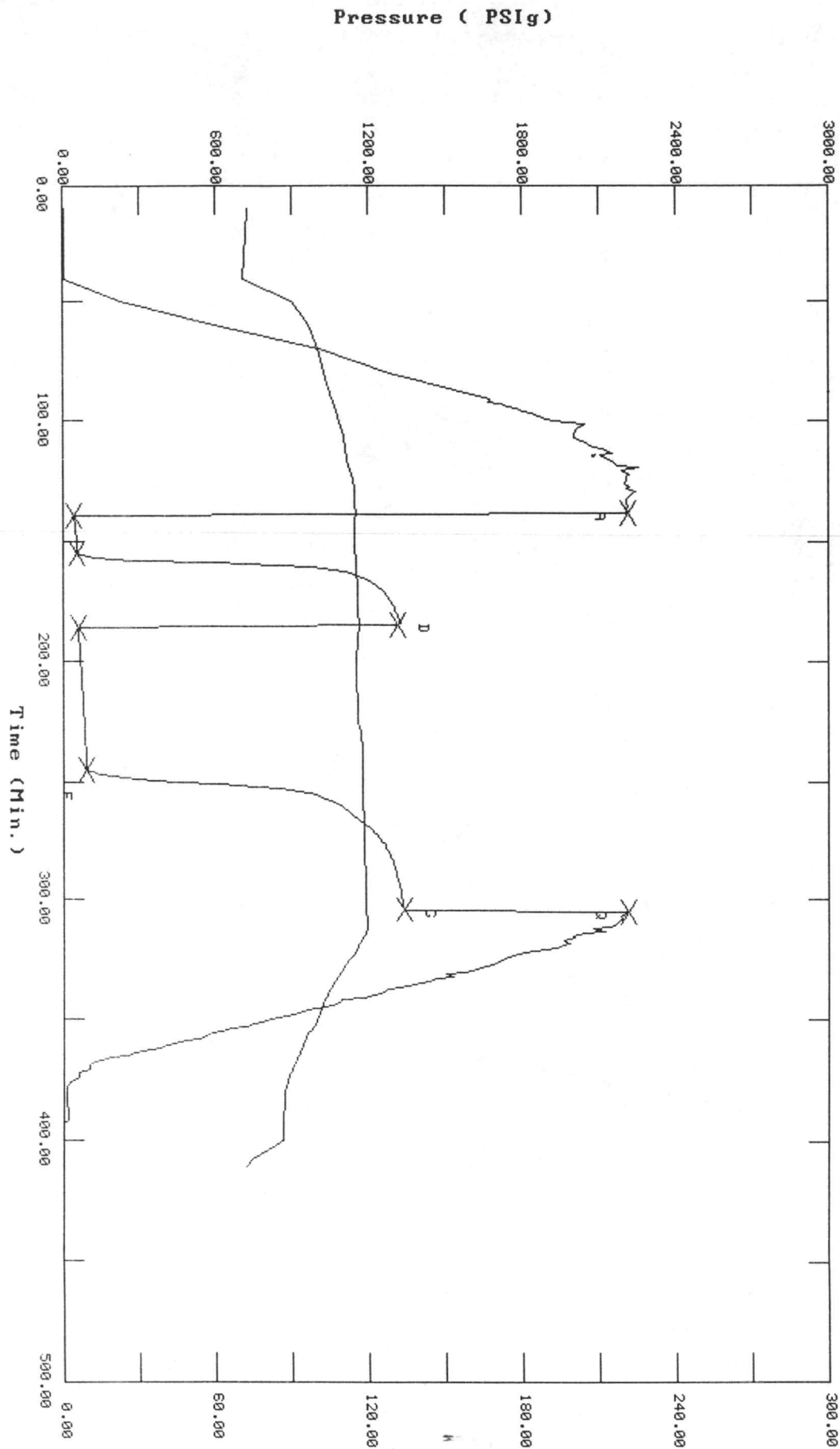
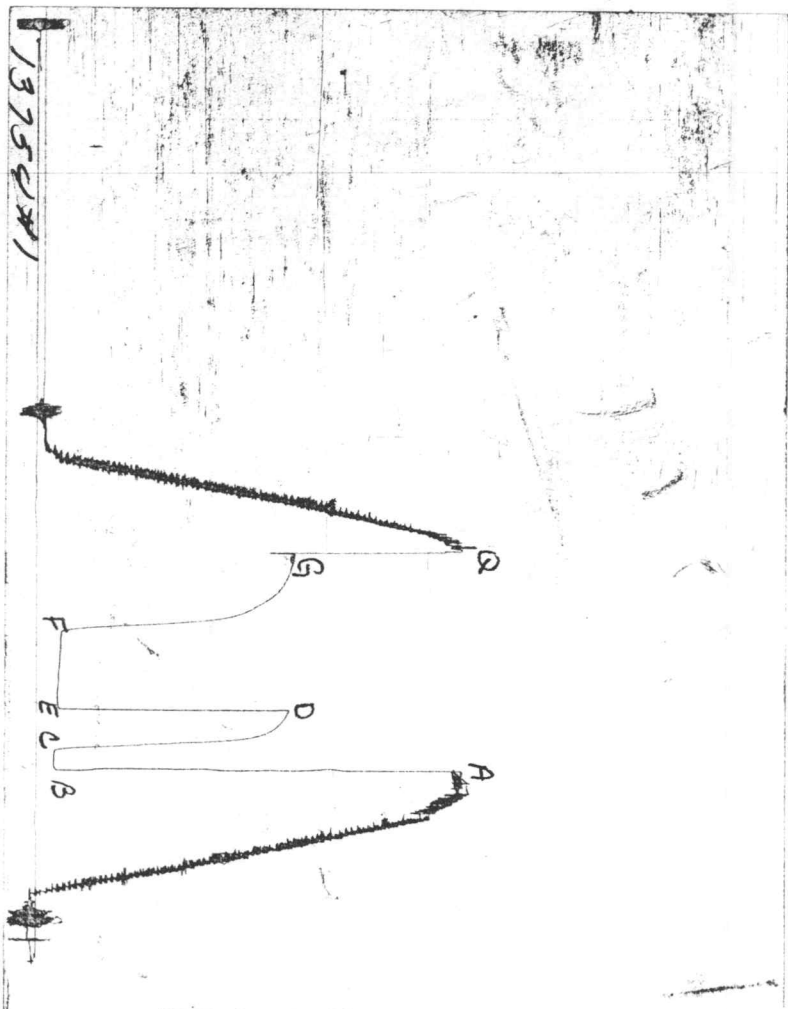


CHART PAGE



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