

WELL NAME: Nunemacher # 3-4
COMPANY: Eagle Energy Inc.
LOCATION: Sec. 4 Twp. 33S Rge. 22W
Clark County Kansas
DATE: 03/03/97

TRILOBITE TESTING L.L.C.

OPERATOR : Eagle Energy Inc.
 WELL NAME: Nunemacher #3-4
 LOCATION : 4-33s-22w
 INTERVAL : 5222.00 To 5290.00 ft

DATE 2/27/97

KB 1966.00 ft TICKET NO: 8586 DST #1
 GR 1955.00 ft FORMATION: Morrow
 TD 5290.00 ft TEST TYPE: CONV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	11038	11038	2351		PF Fr. 1025 to 1055 hr
SI 30	Range(Psi)	5075.0	5075.0	4995.0	0.0	0.0 IS Fr. 1055 to 1125 hr
SF 70	Clock(hrs)	12 hr	12 hr	Elec.		SF Fr. 1125 to 1235 hr
FS 110	Depth(ft)	5287.0	5287.0	5231.0	0.0	0.0 FS Fr. 1235 to 1425 hr

	Field	1	2	3	4	
A. Init Hydro	2619.0	2689.0	2659.0	0.0	0.0	T STARTED 0745 hr
B. First Flow	176.0	255.0	182.0	0.0	0.0	T ON BOTM 1023 hr
B1. Final Flow	323.0	338.0	319.0	0.0	0.0	T OPEN 1025 hr
C. In Shut-in	1448.0	1464.0	1465.0	0.0	0.0	T PULLED 1425 hr
D. Init Flow	350.0	366.0	315.0	0.0	0.0	T OUT 2000 hr
E. Final Flow	546.0	557.0	542.0	0.0	0.0	
F. Fl Shut-in	1461.0	1476.0	1458.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2580.0	2668.0	2596.0	0.0	0.0	Tool Wt. 18000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 100000.00 lbs
						Initial Str Wt 85000.00 lbs
						Unseated Str Wt 95000.00 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 451.00 ft
						D.P. Length 4752.00 ft

RECOVERY

Tot Fluid 5203.00 ft of 451.00 ft in DC and 4752.00 ft in DP
 5203.00 ft of Oil to surface 40%g 60%o
 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 40.00

BLOW DESCRIPTION

Initial Flow:
 Strong blow, bottom of bucket 30 sec.
 {Gas To Surface in 4 mins}

Initial Shut In:

Final Flow:
 Strong blow, bottom of bucket in 1 min
 {Oil To Surface in 70 mins}

Final Shut In:

SAMPLES: Yes
 SENT TO: Caraway

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/c
Vis.	55.00 S/L
W.L.	8.60 in3
F.C.	0.00 in
Mud Drop Y	20.0 ft

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 Y	
Tool Chased N	
Tester	TOM HORACEK
Co. Rep.	RICH O`DONNELL
Contr.	Allen Drlg.
Rig #	3
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONV.

WELL NAME: Nunemacher #3-4

LOCATION : 4-33s-22w

TICKET No. 8586 D.S.T. No. 1 DATE 2/27/97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30 ft.

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 38 ft.

TOTAL TOOL 68 ft.

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 30 ft.

TOTAL ASSEMBLY 98 ft.

D.C. ABOVE TOOLS.Stands7 Single 1 Total 451 ft.

D.P. ABOVE TOOLS.Stands76 Single 1 Total 4752 ft.

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5301 ft.

TOTAL DEPTH 5290 ft.

TOTAL DRILL PIPE ABOVE K.B. 11 ft.

REMARKS:

SAMPLER

10.7 cubic ft. gas
2600 ml oil
trace of mud
1250 PSI

P.O. SUB	
C.O. SUB	5192
S.I. TOOL	5198
Sampler	5201
HMV Hyd. Tool	5206
JARS	5211
SAFETY JOINT	5213
PACKER Top	5217
PACKER Bottom	5222
DEPTH 5222	
STUBB Perf 1 ft.	5223
ANCHOR Perf 2 ft.	5225
Perf 5 ft.	5230
Alpine Rec. @	5231
Perf 5 ft.	5235
Perf 5 ft.	5240
Perf 5 ft.	5245
Perf 5 ft.	5250
T.C.	
DEPTH	
Perf 3 ft.	5253
C.O. 1 ft.	5254
D.P. 30 ft.	5284
C.O. 1 ft.	5285
AK-1 Rec. @	5287
BULLNOSE Bull Plug 5 ft.	5290
T.D.	5290

NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, L.L.C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
Caraway Analytical, L.L.C.
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number:	970123	Analyzed:	03/04/97
Sample From:	Nunemacher 3-4 DST 1	Pressure:	
Producer:	Eagle Energy, Inc.	Temperature:	
Date:		Location:	4-33-22
Time:		County:	Clark
Sampler:		State:	Kansas
Source:		Formation:	Morrow

	Mole %	GPM
Helium	He: 0.100	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 7.087	0.000
Carbon Dioxide	CO2: 0.243	0.000
Methane	C1: 77.885	0.000
Ethane	C2: 7.488	2.003
Propane	C3: 3.433	0.946
Iso Butane	iC4: 0.687	0.225
Normal Butane	nC4: 1.422	0.448
Iso Pentane	iC5: 0.425	0.156
Normal Pentane	nC5: 0.548	0.198
Hexanes Plus	C6+: 0.682	0.298

TOTAL: 100.000 4.273
Z Fact: 0.9970
SP.GR.: 0.7223
BTU (SAT): 1134.2 @ 14.73 psia
BTU (DRY): 1154.3 @ 14.73 psia
OCTANE RATING: 115.1

COMMENTS:

0.000

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8586 DST #1 Nunemacher #3-4 Eagle Energy Inc.

DATE: 02/27/97 TIME: 05:16:49

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	173.00	2659.3	0.0	103.45		
***** Start Flow 1	0.00	182.5	0.0	106.72		
	1.00	210.3	27.9	107.45		
	2.00	242.8	60.3	108.08		
	3.00	250.4	68.0	108.58		
	4.00	302.7	120.3	108.99		
	5.00	318.3	135.9	109.33		
	6.00	304.0	121.5	109.69		
	7.00	283.2	100.8	110.05		
	8.00	283.2	100.7	110.37		
	9.00	281.9	99.5	110.65		
	10.00	284.9	102.5	111.00		
	11.00	293.3	110.9	111.36		
	12.00	272.9	90.5	111.73		
	13.00	271.2	88.7	112.07		
	14.00	286.1	103.7	112.39		
	15.00	305.6	123.1	112.67		
	16.00	316.8	134.4	112.92		
	17.00	314.9	132.4	113.16		
	18.00	314.6	132.2	113.37		
	19.00	311.8	129.3	113.56		
	20.00	308.7	126.2	113.72		
	21.00	300.8	118.3	113.87		
	22.00	298.5	116.1	114.02		
	23.00	299.1	116.7	114.15		
	24.00	303.0	120.5	114.28		
	25.00	310.4	127.9	114.39		
***** End Flow 1	26.00	319.7	137.2	114.49		
***** Start Shutin 1	0.00	319.7	0.0	114.49	0.0000	0.102
	1.00	405.5	85.9	114.59	27.0000	0.164
	2.00	694.2	374.6	114.86	14.0000	0.482
	3.00	924.0	604.4	115.69	9.6667	0.854
	4.00	1097.9	778.3	117.08	7.5000	1.205
	5.00	1222.0	902.3	118.81	6.2000	1.493
	6.00	1301.2	981.5	120.53	5.3333	1.693
	7.00	1351.8	1032.1	121.99	4.7143	1.827
	8.00	1387.6	1067.9	123.08	4.2500	1.925
	9.00	1409.7	1090.1	123.84	3.8889	1.987
	10.00	1424.1	1104.4	124.32	3.6000	2.028
	11.00	1433.6	1114.0	124.56	3.3636	2.055
	12.00	1440.8	1121.1	124.66	3.1667	2.076
	13.00	1445.9	1126.2	124.64	3.0000	2.091
	14.00	1449.7	1130.0	124.54	2.8571	2.102
	15.00	1452.7	1133.0	124.39	2.7333	2.110
	16.00	1455.0	1135.3	124.21	2.6250	2.117
	17.00	1456.7	1137.1	124.00	2.5294	2.122
	18.00	1458.1	1138.4	123.78	2.4444	2.126
	19.00	1459.2	1139.6	123.55	2.3684	2.129
	20.00	1460.3	1140.6	123.30	2.3000	2.132
	21.00	1461.1	1141.4	123.05	2.2381	2.135
	22.00	1461.8	1142.2	122.82	2.1818	2.137

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8586 DST #1 Nunemacher #3-4 Eagle Energy Inc.

DATE: 02/27/97

TIME: 05:16:49

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	23.00	1462.5	1142.8	122.56	2.1304	2.139
	24.00	1463.2	1143.5	122.34	2.0833	2.141
	25.00	1463.6	1143.9	122.10	2.0400	2.142
	26.00	1464.2	1144.5	121.87	2.0000	2.144
	27.00	1464.9	1145.2	121.66	1.9630	2.146
	28.00	1465.2	1145.5	121.45	1.9286	2.147
	29.00	1465.5	1145.9	121.23	1.8966	2.148
***** End Shut-in 1	30.00	1465.8	1146.1	121.07	1.8667	2.149
***** Start Flow 2	0.00	315.4	0.0	118.96		
	1.00	327.6	12.3	117.83		
	2.00	332.7	17.3	117.01		
	3.00	334.8	19.4	116.49		
	4.00	339.6	24.3	116.18		
	5.00	343.7	28.3	116.02		
	6.00	352.7	37.3	115.94		
	7.00	365.2	49.8	115.93		
	8.00	370.4	55.0	115.97		
	9.00	369.7	54.3	116.02		
	10.00	370.1	54.7	116.08		
	11.00	371.7	56.3	116.13		
	12.00	375.9	60.5	116.20		
	13.00	378.1	62.7	116.25		
	14.00	381.6	66.2	116.31		
	15.00	388.3	72.9	116.38		
	16.00	388.5	73.1	116.44		
	17.00	393.3	77.9	116.49		
	18.00	400.2	84.8	116.54		
	19.00	396.8	81.4	116.59		
	20.00	404.0	88.6	116.64		
	21.00	408.0	92.6	116.68		
	22.00	407.3	91.9	116.73		
	23.00	410.1	94.7	116.78		
	24.00	413.3	97.9	116.81		
	25.00	417.4	102.1	116.85		
	26.00	420.0	104.6	116.89		
	27.00	420.6	105.2	116.93		
	28.00	428.6	113.2	116.96		
	29.00	432.1	116.7	117.00		
	30.00	437.8	122.4	117.04		
	31.00	437.3	121.9	117.08		
	32.00	437.5	122.1	117.12		
	33.00	443.8	128.4	117.17		
	34.00	447.0	131.6	117.22		
	35.00	450.8	135.4	117.27		
	36.00	454.3	138.9	117.32		
	37.00	456.2	140.8	117.37		
	38.00	459.1	143.7	117.42		
	39.00	461.9	146.5	117.47		
	40.00	467.0	151.6	117.53		
	41.00	468.8	153.4	117.58		
	42.00	472.3	156.9	117.64		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8586 DST #1 Nunemacher #3-4 Eagle Energy Inc.

DATE: 02/27/97 TIME: 05:16:49

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	43.00	475.1	159.7	117.69		
	44.00	479.4	164.0	117.76		
	45.00	482.7	167.4	117.82		
	46.00	484.8	169.5	117.88		
	47.00	489.0	173.6	117.93		
	48.00	492.4	177.0	117.99		
	49.00	496.1	180.7	118.06		
	50.00	499.9	184.5	118.13		
	51.00	502.6	187.2	118.18		
	52.00	505.1	189.7	118.25		
	53.00	508.3	192.9	118.31		
	54.00	511.0	195.6	118.37		
	55.00	515.0	199.6	118.42		
	56.00	522.3	206.9	118.46		
	57.00	526.0	210.6	118.52		
	58.00	530.2	214.9	118.58		
	59.00	532.4	217.0	118.63		
	60.00	533.4	218.0	118.68		
	61.00	540.0	224.6	118.72		
	62.00	543.7	228.3	118.77		
	63.00	544.5	229.1	118.82		
	64.00	547.7	232.3	118.86		
	65.00	547.3	231.9	118.91		
	66.00	546.6	231.2	118.94		
	67.00	547.4	232.0	118.97		
	68.00	544.7	229.3	119.00		
	69.00	543.2	227.8	119.01		
***** End Flow 2	70.00	542.2	226.8	119.03		
***** Start Shutin 2	0.00	542.2	0.0	119.03	0.0000	0.294
	1.00	812.7	270.6	119.11	97.0000	0.661
	2.00	1017.4	475.3	119.61	49.0000	1.035
	3.00	1163.7	621.5	120.52	33.0000	1.354
	4.00	1261.3	719.2	121.58	25.0000	1.591
	5.00	1322.9	780.7	122.65	20.2000	1.750
	6.00	1360.8	818.6	123.57	17.0000	1.852
	7.00	1385.1	843.0	124.26	14.7143	1.919
	8.00	1401.6	859.4	124.75	13.0000	1.964
	9.00	1412.8	870.7	125.05	11.6667	1.996
	10.00	1421.1	879.0	125.18	10.6000	2.020
	11.00	1427.2	885.0	125.23	9.7273	2.037
	12.00	1431.8	889.6	125.12	9.0000	2.050
	13.00	1435.6	893.4	124.99	8.3846	2.061
	14.00	1438.5	896.3	124.84	7.8571	2.069
	15.00	1440.8	898.6	124.66	7.4000	2.076
	16.00	1442.7	900.5	124.48	7.0000	2.081
	17.00	1444.4	902.2	124.30	6.6471	2.086
	18.00	1445.8	903.7	124.14	6.3333	2.090
	19.00	1447.1	904.9	123.96	6.0526	2.094
	20.00	1448.2	906.1	123.81	5.8000	2.097
	21.00	1449.3	907.1	123.66	5.5714	2.100
	22.00	1450.1	907.9	123.53	5.3636	2.103

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8586 DST #1 Nunemacher #3-4 Eagle Energy Inc.

DATE: 02/27/97

TIME: 05:16:49

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
23.00	1450.9	908.7	123.39	5.1739	2.105
24.00	1451.5	909.4	123.27	5.0000	2.107
25.00	1452.3	910.1	123.15	4.8400	2.109
26.00	1452.8	910.6	123.04	4.6923	2.111
27.00	1453.5	911.3	122.94	4.5556	2.113
28.00	1454.0	911.9	122.83	4.4286	2.114
29.00	1454.7	912.5	122.73	4.3103	2.116
30.00	1455.3	913.1	122.65	4.2000	2.118
31.00	1455.9	913.7	122.57	4.0968	2.120
32.00	1456.3	914.1	122.49	4.0000	2.121
33.00	1456.7	914.6	122.41	3.9091	2.122
34.00	1457.1	914.9	122.34	3.8235	2.123
35.00	1457.5	915.3	122.26	3.7429	2.124
36.00	1457.9	915.7	122.19	3.6667	2.125
37.00	1458.2	916.1	122.12	3.5946	2.126
38.00	1458.6	916.4	122.06	3.5263	2.127
39.00	1458.7	916.5	122.01	3.4615	2.128
40.00	1458.3	916.1	121.95	3.4000	2.127
41.00	1458.3	916.1	121.90	3.3415	2.127
42.00	1458.2	916.0	121.85	3.2857	2.126
43.00	1458.4	916.2	121.80	3.2326	2.127
44.00	1458.6	916.4	121.74	3.1818	2.127
45.00	1459.0	916.8	121.69	3.1333	2.129
46.00	1459.3	917.2	121.63	3.0870	2.130
47.00	1459.7	917.5	121.59	3.0426	2.131
48.00	1460.0	917.8	121.55	3.0000	2.132
49.00	1460.5	918.3	121.50	2.9592	2.133
50.00	1460.9	918.8	121.46	2.9200	2.134
51.00	1461.3	919.1	121.42	2.8824	2.135
52.00	1461.6	919.4	121.37	2.8462	2.136
53.00	1461.3	919.2	121.32	2.8113	2.136
54.00	1460.5	918.3	121.27	2.7778	2.133
55.00	1460.1	917.9	121.20	2.7455	2.132
56.00	1459.8	917.7	121.15	2.7143	2.131
57.00	1459.6	917.4	121.09	2.6842	2.130
58.00	1459.4	917.3	121.03	2.6552	2.130
59.00	1459.4	917.3	120.99	2.6271	2.130
60.00	1459.4	917.2	120.94	2.6000	2.130
61.00	1459.1	916.9	120.90	2.5738	2.129
62.00	1458.7	916.6	120.87	2.5484	2.128
63.00	1458.2	916.0	120.85	2.5238	2.126
64.00	1457.7	915.6	120.81	2.5000	2.125
65.00	1457.6	915.5	120.80	2.4769	2.125
66.00	1457.6	915.4	120.77	2.4545	2.124
67.00	1457.5	915.3	120.74	2.4328	2.124
68.00	1457.6	915.5	120.71	2.4118	2.125
69.00	1457.7	915.6	120.70	2.3913	2.125
70.00	1457.8	915.7	120.68	2.3714	2.125
71.00	1457.8	915.7	120.66	2.3521	2.125
72.00	1457.8	915.7	120.63	2.3333	2.125
73.00	1457.6	915.5	120.61	2.3151	2.125

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8586 DST #1 Nunemacher #3-4 Eagle Energy Inc.

DATE: 02/27/97 TIME: 05:16:49

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	74.00	1457.7	915.6	120.59	2.2973	2.125
	75.00	1457.5	915.3	120.56	2.2800	2.124
	76.00	1457.4	915.2	120.56	2.2632	2.124
	77.00	1457.3	915.2	120.53	2.2468	2.124
	78.00	1457.3	915.2	120.50	2.2308	2.124
	79.00	1457.3	915.1	120.49	2.2152	2.124
	80.00	1457.3	915.1	120.47	2.2000	2.124
	81.00	1457.1	914.9	120.45	2.1852	2.123
	82.00	1457.1	914.9	120.43	2.1707	2.123
	83.00	1457.1	914.9	120.41	2.1566	2.123
	84.00	1457.1	914.9	120.40	2.1429	2.123
	85.00	1457.1	914.9	120.38	2.1294	2.123
	86.00	1457.1	914.9	120.37	2.1163	2.123
	87.00	1457.1	914.9	120.35	2.1034	2.123
	88.00	1457.1	914.9	120.33	2.0909	2.123
	89.00	1457.0	914.8	120.31	2.0787	2.123
	90.00	1457.0	914.8	120.31	2.0667	2.123
	91.00	1457.0	914.8	120.29	2.0549	2.123
	92.00	1457.1	914.9	120.28	2.0435	2.123
	93.00	1457.1	915.0	120.27	2.0323	2.123
	94.00	1457.1	915.0	120.26	2.0213	2.123
	95.00	1457.3	915.2	120.24	2.0105	2.124
	96.00	1457.3	915.2	120.23	2.0000	2.124
	97.00	1457.3	915.2	120.22	1.9897	2.124
	98.00	1457.4	915.3	120.21	1.9796	2.124
	99.00	1457.5	915.3	120.20	1.9697	2.124
	100.00	1457.6	915.4	120.18	1.9600	2.124
	101.00	1457.7	915.5	120.18	1.9505	2.125
	102.00	1457.7	915.5	120.18	1.9412	2.125
	103.00	1457.7	915.5	120.17	1.9320	2.125
	104.00	1457.8	915.6	120.16	1.9231	2.125
***** End Shut-in 2	105.00	1458.7	916.5	120.15	1.9143	2.128
***** Final Hydro.	416.00	2596.8	0.0	120.14		

TEST HISTORY

8586 DST #1 Nunemacher #3-4 Eagle Energy Inc.

Flag Points

t (Min.)	P (PSig)
A: 0.00	2659.33
B: 0.00	182.45
C: 26.00	319.67
D: 30.00	1465.79
E: 0.00	315.39
F: 70.00	542.17
G: 105.00	1458.66
Q: 0.00	2596.80

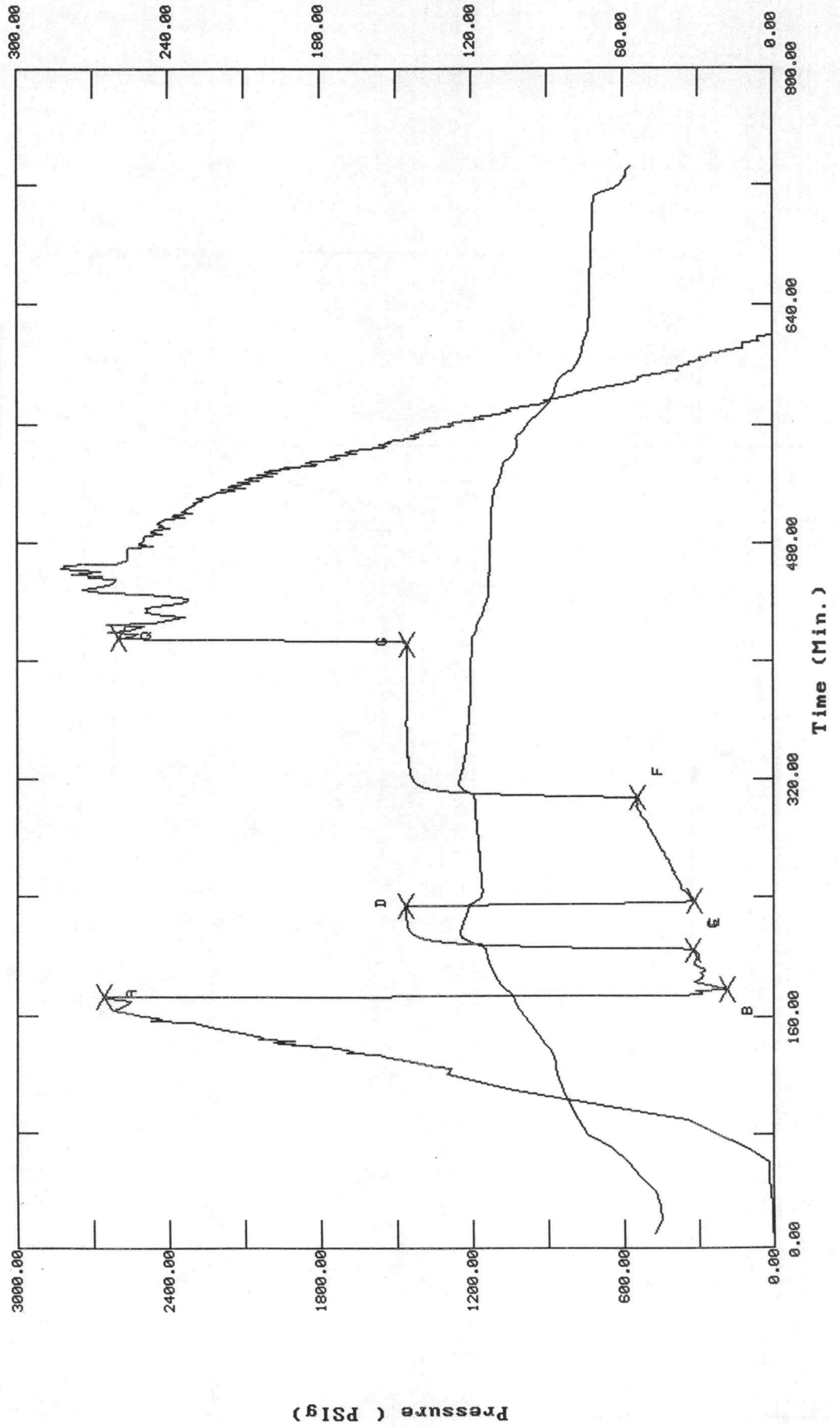
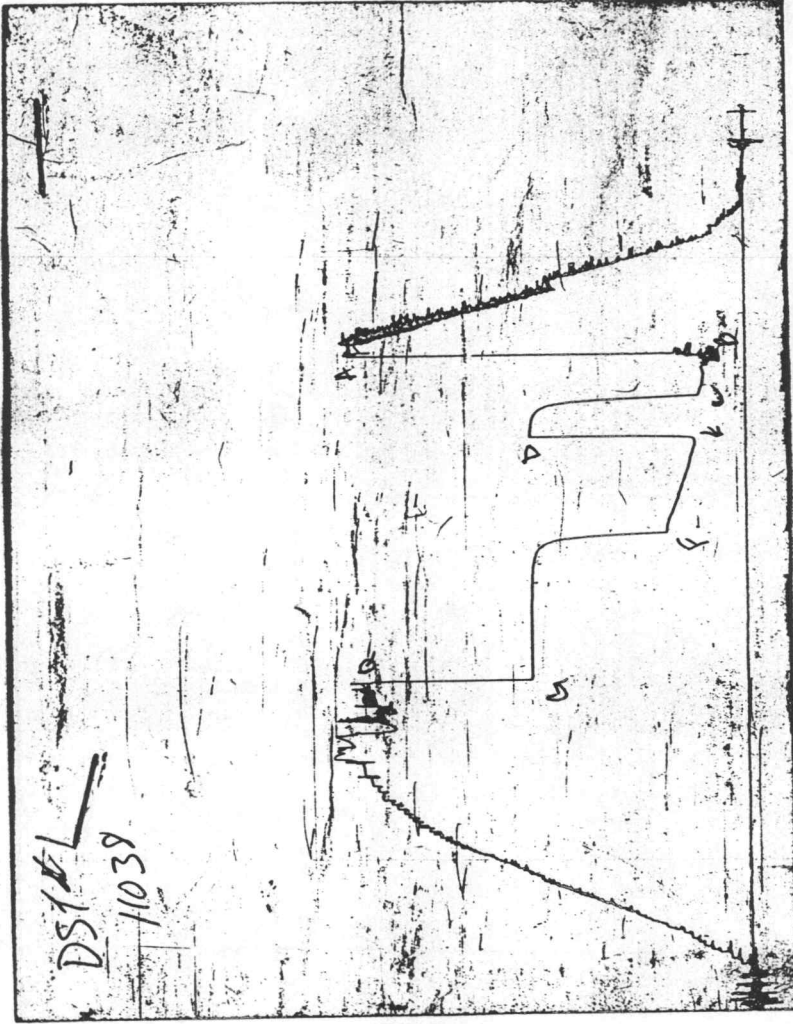


CHART PAGE



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