

WELL NAME: Freed #1-28
COMPANY: Cross Bar Petroleum
LOCATION: Sec. 28 Twp. 17S Rge. 32W
Scott County Kansas
DATE: 02/28/97

TRILOBITE TESTING L.L.C.

PERATOR : Cross Bar Petroleum
 ELL NAME: Freed #1-28
 LOCATION : 28-17s-32w Scott KS
 INTERVAL : 4060.00 To 4075.00 ft

DATE 2/20/97
 KB 2986.00 ft TICKET NO: 9786 DST #1
 GR 2981.00 ft FORMATION: Lansing KC 'E'
 TD 4075.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
F 30 Rec.	10332	10332	24174			PF Fr. 0755 to 0825 hr
I 60 Range(Psi)	4025.0	4025.0	3050.0	0.0	0.0	IS Fr. 0825 to 0925 hr
F 30 Clock(hrs)	12hr.	12hr.	12hr.			SF Fr. 0925 to 0955 hr
S 90 Depth(ft)	4070.0	4070.0	4062.0	0.0	0.0	FS Fr. 0955 to 1125 hr

	Field	1	2	3	4	
. Init Hydro	1967.0	1952.0	0.0	0.0	0.0	T STARTED 0633 hr
. First Flow	71.0	52.0	0.0	0.0	0.0	T ON BOTM 0753 hr
1. Final Flow	182.0	191.0	0.0	0.0	0.0	T OPEN 0755 hr
. In Shut-in	923.0	927.0	0.0	0.0	0.0	T PULLED 1125 hr
. Init Flow	233.0	239.0	0.0	0.0	0.0	T OUT 1300 hr
. Final Flow	374.0	276.0	0.0	0.0	0.0	
. Fl Shut-in	882.0	890.0	0.0	0.0	0.0	TOOL DATA-----
. Final Hydro	1937.0	1941.0	0.0	0.0	0.0	Tool Wt. 2100.00 lbs
nside/Outside	O	O	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 80000.00 lbs
						Initial Str Wt 58000.00 lbs
						Unseated Str Wt 59000.00 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 248.00 ft
						D.P. Length 3794.00 ft

ECOVERY

ot Fluid 668.00 ft of 248.00 ft in DC and 420.00 ft in DP
 85.00 ft of Gas in pipe
 .00 ft of
 08.00 ft of Clean Gassy Oil 5%gas 95%oil
 .00 ft of
 0.00 ft of Mud Cut Oil 55%oil 45%mud
 .00 ft of
 .00 ft of
 .00 ft of

ALINITY 0.00 P.P.M. A.P.I. Gravity 32.00

LOW DESCRIPTION

nitial Flow:
 3/4" blow building to bottom of
 bucket in 9 minutes

nitial Shut in:

surface blow building to 1"

inal Flow:

1/2" blow building to bottom of
 bucket in 12 minutes

inal Shut in:

no blow

AMPLES:

ENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/c
Vis.	45.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	117.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00

Cushion Type	
Reversed Out	
Tool Chased	
Tester	Paul Simpson
Co. Rep.	Steve Davis
Contr.	Mallard
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Freed #1-28

LOCATION : Sec.28 Twp.17s Rge.32w

TICKET No. 9786 D.S.T. No. 1 DATE 2/20/97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 32

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 15

TOTAL TOOL 47

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 47

D.C. ABOVE TOOLS.Stands4 Single Total 248

D.P. ABOVE TOOLS.Stands60 Single 1 Total 3794

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4089

TOTAL DEPTH 4075

TOTAL DRILL PIPE ABOVE K.B. 14

REMARKS:

P.O. SUB	
C.O. SUB Top of tool@	4028
S.I. TOOL H&T	4034
HMV Sterling	4039
JARS bowen	4044
SAFETY JOINT bowen	4046
PACKER Top	4050
AP Carrier	4056
PACKER Bottom	4060
DEPTH 3234	
STUBB	4061
ANCHOR	
1'perf	4062
AK-1 recorder@	4062
5' perfs.	4067
T.C.	
DEPTH	
5' perfs	4072
ak-1 rec @	4070
BULLNOSE 3'bullnose	
T.D. to	4075

GAS RECOVERY -----

COMPANY: Cross Bar Petroleum

DATE: 2/20/97

WELL NAME: Freed #1-28

KB Elev: 2986.00 ft TICKET #9786 DST #1

WELL LOCATION: Sec.28 Twp.17s Rge.32w

GR Elev: 2981.00 ft FORMATION: LKC 'E'

INTERVAL Fr.: 4060.00 To 4075.00 T.D.: 4075.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH merla gauge

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.75	0	21	64000.0
10	0.75	0	15	55200.0
15	0.75	0	12	49300.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
2	0.75	0	80	127000.0
5	0.75	0	30	77800.0
10	0.75	0	14	53300.0
15	0.75	0	8	40000.0
20	0.75	0	6	34700.0
25	0.75	0	4	28300.0
30	0.75	0	4	28000.0
35	0.75	0	4	28300.0
40	0.75	0	3	24500.0
45	0.75	0	3	24500.0
50	0.75	0	3	24500.0
55	0.75	0	3	24500.0
60	0.75	0	3	24500.0

CALCULATED RECOVERY ANALYSIS

DST 1

TICKET 9786

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
DRILL 1	285	100	285		0		0		0
PIPE 2	248	5	12.4	95	235.6		0		0
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	360	5	18	95	342		0		0
COLLARS 2	60		0	55	33		0	45	27
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	953		315.4		610.6		0		27

HRS OPEN

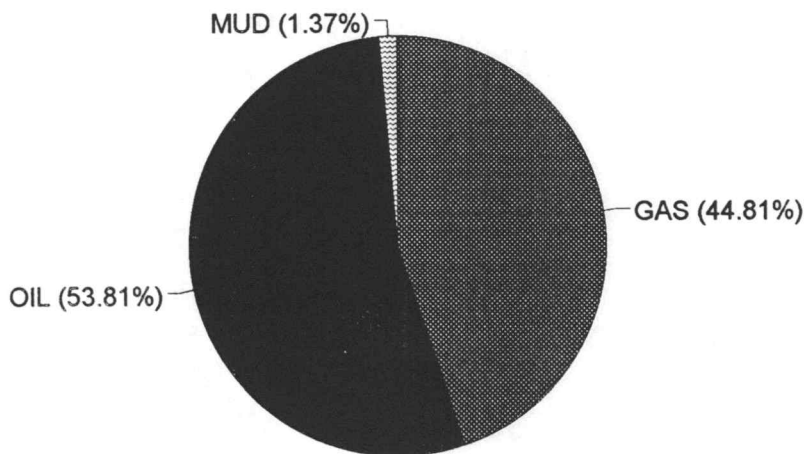
BBL/DAY

BBL OIL= 5.183982 * 1 = 124.41557

BBL WATER= 0 * = 0

BBL MUD= 0.13203

BBL GAS = 4.317048



AK-1 Recorder Increments Listings

Test: Cross Bar Petroleum - 1-28 Freed - DST #1
Date: 2-20-97

	Time	Pressure PSIg	◇ Pressure
***Start Flow 1	0	89.1	89.1
	3	116.4	27.3
	6	128.5	12.1
	9	134.6	6.1
	12	146.8	12.1
	15	155.9	9.1
	18	160.9	5.1
	21	170.0	9.1
	24	178.1	8.1
	27	184.2	6.1

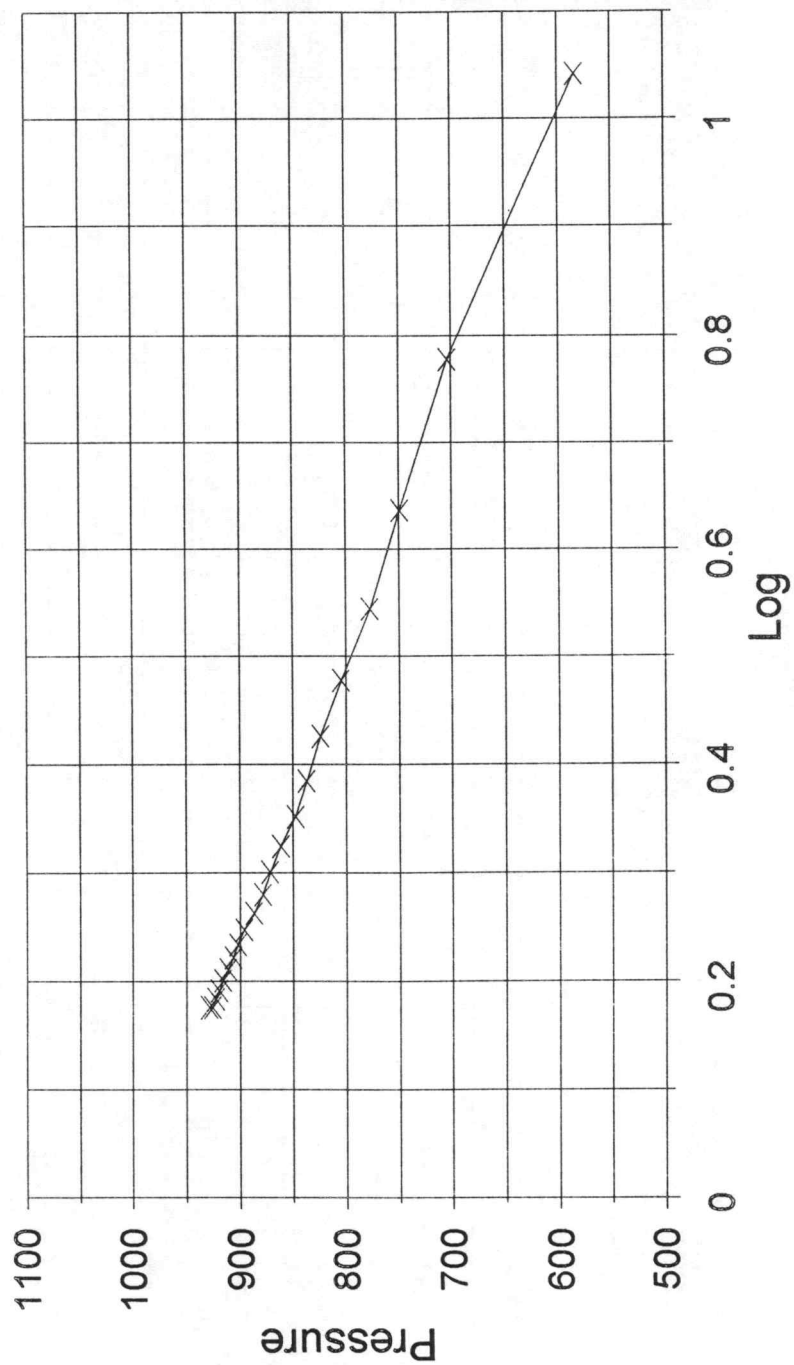
	Time	Pressure PSIg	Log Horn T	◇ Pressure	(T+dT)/dT
***Start Shutin 1	3	584.3	1.041	584.3	11.0
	6	704.3	0.778	119.9	6.0
	9	749.0	0.637	44.7	4.3
	12	777.4	0.544	28.5	3.5
	15	804.9	0.477	27.4	3.0
	18	824.2	0.426	19.3	2.7
	21	837.4	0.385	13.2	2.4
	24	847.6	0.352	10.2	2.3
	27	861.8	0.325	14.2	2.1
	30	871.9	0.301	10.2	2.0
	33	879.1	0.281	7.1	1.9
	36	887.2	0.263	8.1	1.8
	39	896.3	0.248	9.1	1.8
	42	902.4	0.234	6.1	1.7
	45	906.5	0.222	4.1	1.7
	48	911.6	0.211	5.1	1.6
	51	916.7	0.201	5.1	1.6
	54	919.7	0.192	3.0	1.6
	57	922.8	0.184	3.0	1.5
	60	925.8	0.176	3.0	1.5

	Time	Pressure PSIg	◇ Pressure
***Start Flow 2	0	229.8	229.8
	3	231.8	2.0
	6	233.8	2.0
	9	237.9	4.0
	12	239.9	2.0
	15	244.9	5.1
	18	251.0	6.1
	21	257.1	6.1
	24	265.2	8.1

	Time	Pressure PSIg	Log Horn T	◇ Pressure	(T+dT)/dT
***Start Shutin 2	6	674.8	1.041	674.8	11.0
	12	761.2	0.778	86.4	6.0
	18	791.7	0.637	30.5	4.3
	24	808.9	0.544	17.3	3.5
	30	819.1	0.477	10.2	3.0
	36	829.3	0.426	10.2	2.7
	42	839.4	0.385	10.2	2.4
	48	847.6	0.352	8.1	2.3
	54	861.8	0.325	14.2	2.1
	60	869.9	0.301	8.1	2.0
	66	876.0	0.281	6.1	1.9
	72	879.1	0.263	3.0	1.8
	78	882.1	0.248	3.0	1.8
	84	885.2	0.234	3.0	1.7
	90	888.2	0.222	3.0	1.7

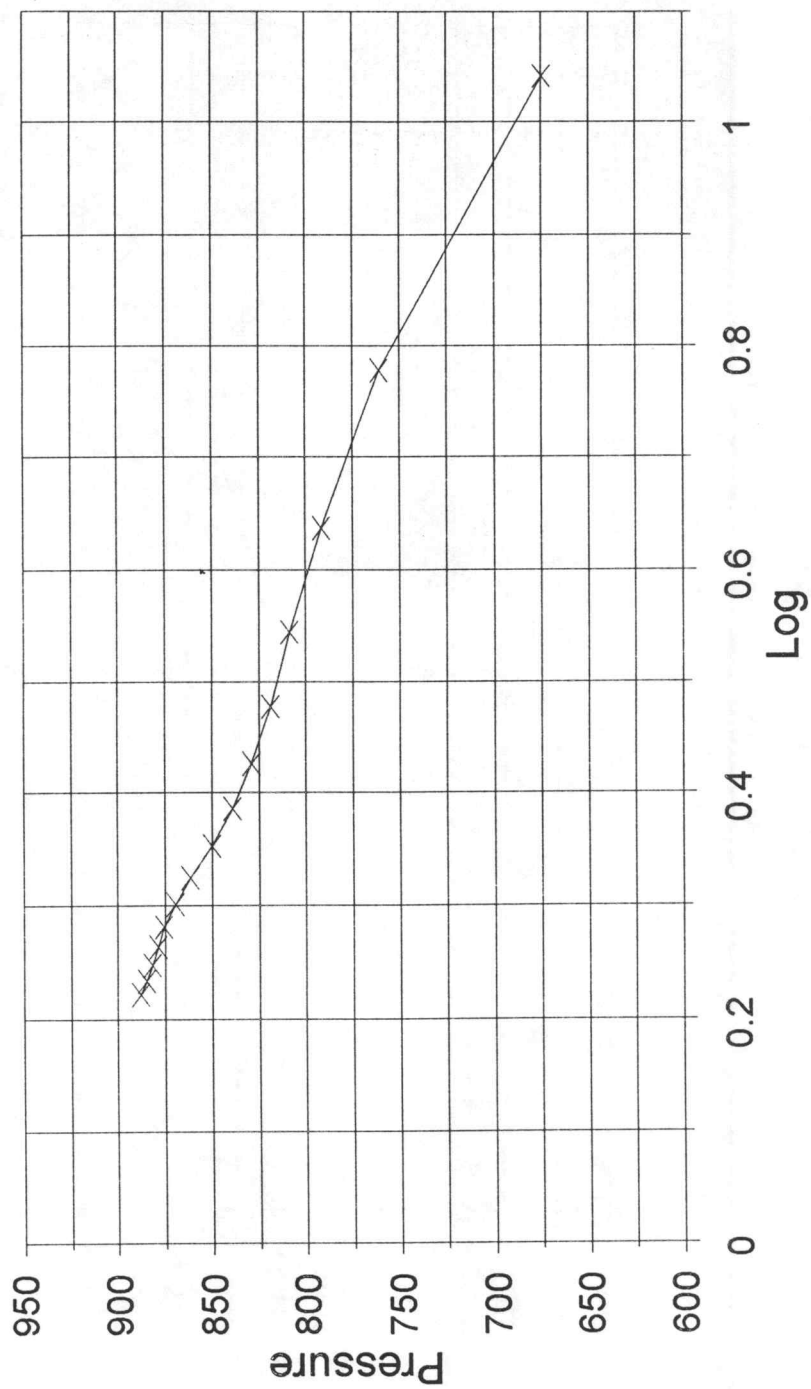
Horner Plot: Shut-in #1

P * 990.59 Slope 367.952



Horner Plot: Shut-in #2

P* 939.46 Slope 231.031



Delta T Delta P

Pseudo Steady Flow State: 116 bbl/d

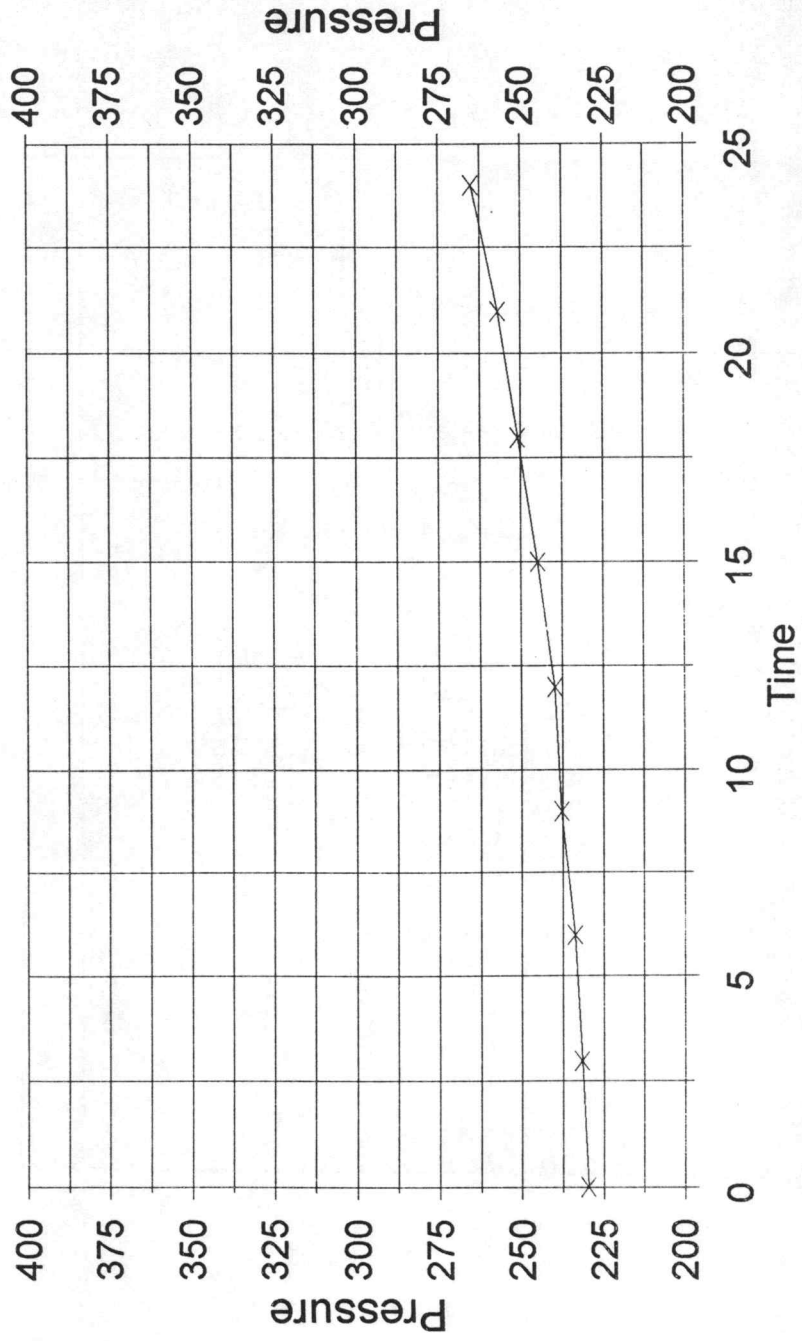
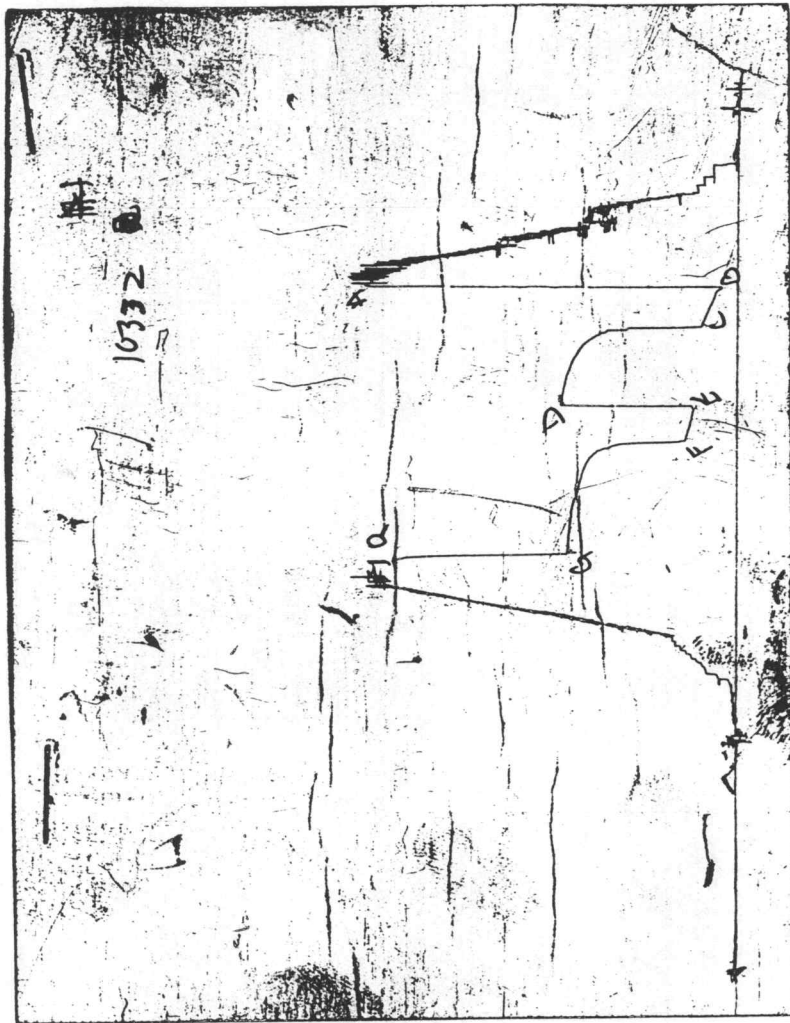


CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum
WELL NAME: Freed #1-28
LOCATION : 28-17s-32w Scott KS
INTERVAL : 4144.00 To 4166.00 ft

DATE 2/21/97
KB 2986.00 ft TICKET NO: 9787 DST #2
GR 2981.00 ft FORMATION: Lansing KC 'H'
TD 4166.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	24174	24174	10332			PF Fr. 0222 to 0252 hr
SI 60 Range(Psi)	3050.0	3050.0	4025.0	0.0	0.0	IS Fr. 0252 to 0352 hr
SF 5 Clock(hrs)	12hr.	12hr.	12hr.			SF Fr. 0352 to 0400 hr
FS 0 Depth(ft)	4148.0	4148.0	4161.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	1973.0	2038.0	0.0	0.0	0.0	T STARTED 0100 hr
B. First Flow	37.0	45.0	0.0	0.0	0.0	T ON BOTM 0220 hr
B1. Final Flow	37.0	45.0	0.0	0.0	0.0	T OPEN 0222 hr
C. In Shut-in	1054.0	1047.0	0.0	0.0	0.0	T PULLED 0400 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 0515 hr
E. Final Flow	0.0	0.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1942.0	2000.0	0.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 62000.00 lbs
						Initial Str Wt 58000.00 lbs
						Unseated Str Wt 58000.00 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 248.00 ft
						D.P. Length 3897.00 ft

RECOVERY

Tot Fluid 10.00 ft of 10.00 ft in DC and 0.00 ft in DP
10.00 ft of Oil specked 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

BLOW DESCRIPTION

Initial Flow:
Weak 1/2" blow died in 20 minutes

Final Flow:

opened tool; no blow; flushed tool
then pulled tool.

SAMPLES:
SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/c
Vis.	48.00 S/L
W.L.	7.00 in3
F.C.	0.00 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	0.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Paul Simpson
Co. Rep.	Steve Davis
Contr.	Mallard
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Freed #1-28

LOCATION : Sec.28 Twp.17s Rge.32w

TICKET No. 9787 D.S.T. No. 2 DATE 2/21/97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 22

TOTAL TOOL 49

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 49

D.C. ABOVE TOOLS.Stands4 Single Total 248

D.P. ABOVE TOOLS.Stands62 Single Total 3887

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4184

TOTAL DEPTH 4166

TOTAL DRILL PIPE ABOVE K.B. 18

REMARKS:

P.O. SUB	
C.O. SUB Top of tool@	4118
S.I. TOOL H&T	4123
HMV Sterling	4128
JARS bowen	4133
SAFETY JOINT bowen	4135
PACKER Top	4139
PACKER Bottom	4144
DEPTH 4144	
STUBB	4145
ANCHOR	
3'perf	4148
AK-1 recorder@	4148
5'perf	4153
5' perfs.	4158
T.C.	
DEPTH	
5' perfs	4163
ak-1 rec @	4161
BULLNOSE 3'bullnose	
T.D. to	4166

GAS RECOVERY

COMPANY: Cross Bar Petroleum

DATE: 2/21/97

WELL NAME: Freed #1-28

KB Elev: 2986.00 ft TICKET #9787 DST #2

WELL LOCATION: Sec.28 Twp.17s Rge.32w

GR Elev: 2981.00 ft FORMATION: LKC 'H'

INTERVAL Fr.: 4144.00 To 4166.00 T.D.: 4166.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH merla gauge

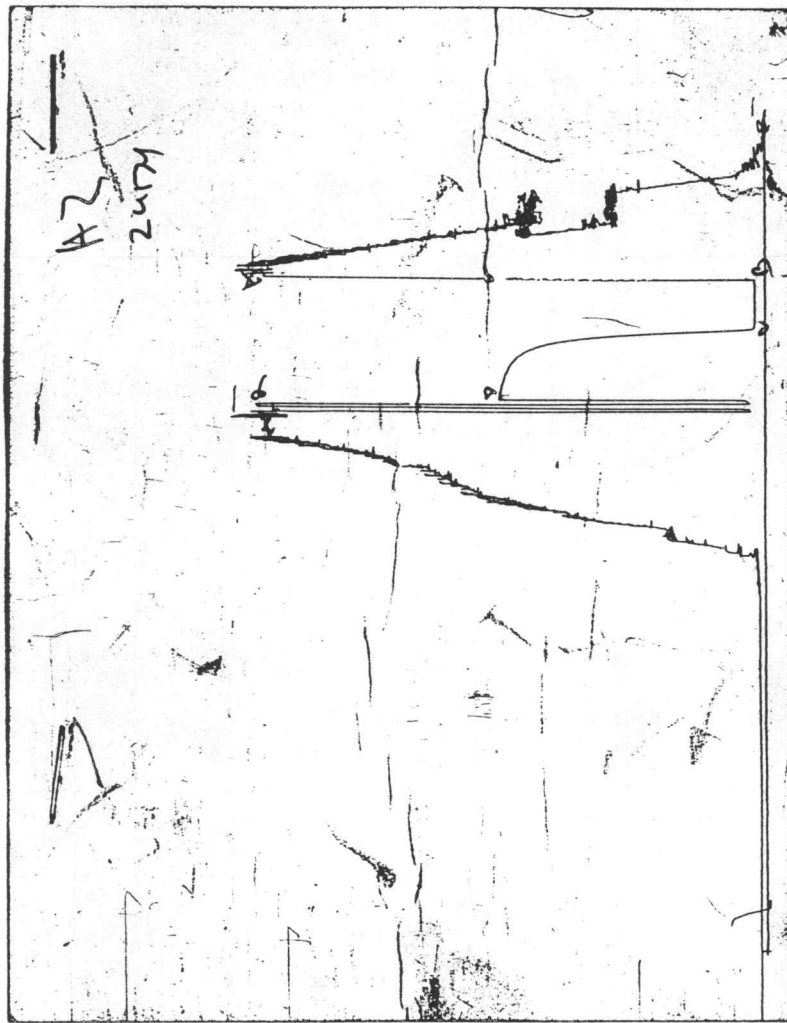
***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.75	0	21	64000.0
10	0.75	0	15	55200.0
15	0.75	0	12	49300.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
2	0.75	0	80	127000.0
5	0.75	0	30	77800.0
10	0.75	0	14	53300.0
15	0.75	0	8	40000.0
20	0.75	0	6	34700.0
25	0.75	0	4	28300.0
30	0.75	0	4	28000.0
35	0.75	0	4	28300.0
40	0.75	0	3	24500.0
45	0.75	0	3	24500.0
50	0.75	0	3	24500.0
55	0.75	0	3	24500.0
60	0.75	0	3	24500.0

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum

DATE 2/21/97

WELL NAME: Freed 1-28

KB 2981.00 ft

TICKET NO: 9902

DST #3

LOCATION : 28-17S-32W Scott' KS

GR 2986.00 ft

FORMATION: Lansing KC "I"

INTERVAL : 4190.00 To 4212.00 ft

TD 4212.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	13276			PF Fr. 1434 to 1504 hr
SI 60 Range(Psi)	4000.0	4000.0	4000.0	0.0	0.0	IS Fr. 1504 to 1604 hr
SF 5 Clock(hrs)	12 HR	12 HR	12 HR			SF Fr. 1604 to 1609 hr
FS 0 Depth(ft)	4207.0	4207.0	4202.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	2073.0	2106.0	0.0	0.0	0.0	T STARTED 1330 hr
B. First Flow	41.0	57.0	0.0	0.0	0.0	T ON BOTM 1430 hr
B1. Final Flow	62.0	68.0	0.0	0.0	0.0	T OPEN 1434 hr
C. In Shut-in	1070.0	1090.0	0.0	0.0	0.0	T PULLED 1609 hr
D. Init Flow	93.0	152.0	0.0	0.0	0.0	T OUT 1745 hr
E. Final Flow	93.0	117.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2063.0	2055.0	0.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 28000.00 lbs
						Wt Pulled Loose 65000.00 lbs
						Initial Str Wt 58000.00 lbs
						Unseated Str Wt 58000.00 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 247.00 ft
						D.P. Length 3949.00 ft

RECOVERY

Tot Fluid 80.00 ft of 80.00 ft in DC and 0.00 ft in DP

0.00 ft of

80.00 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

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Weak surface blow built to 1/2"

Initial Shut In:

Final Flow:

No blow, flushed tool, no return blow

Final Shut In:

SAMPLES:

SENT TO:

MUD DATA-----

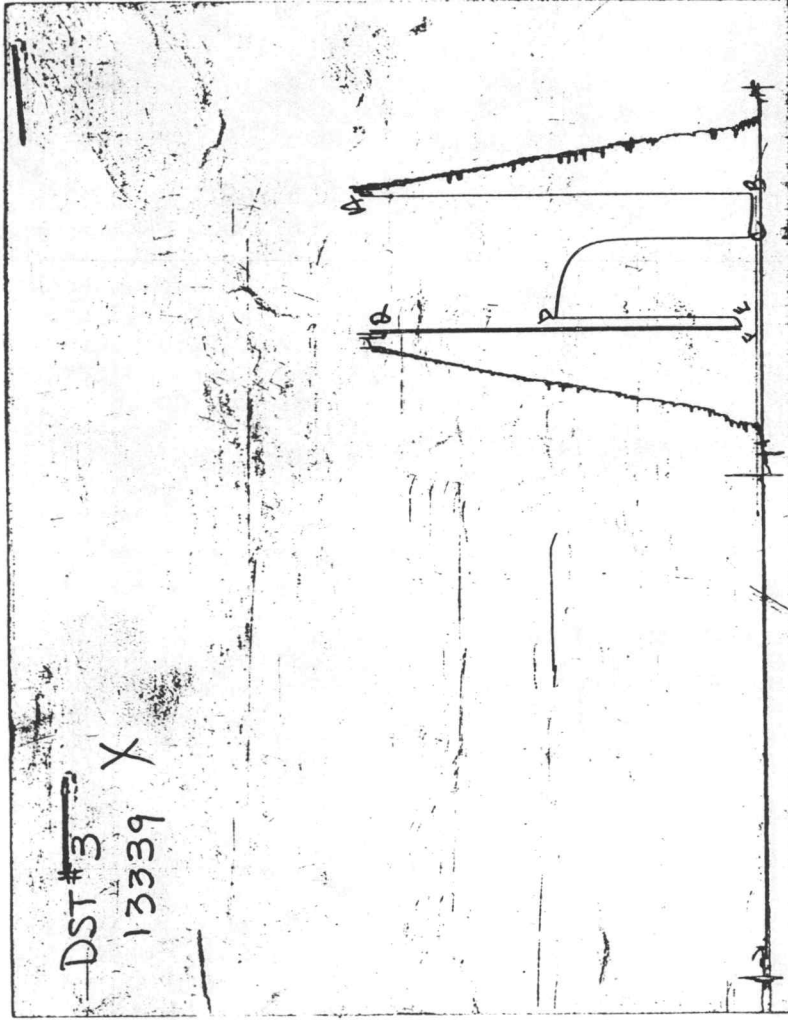
Mud Type	Chemical
Weight	9.10 lb/c
Vis.	47.00 S/L
W.L.	7.40 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	135.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00

Cushion Type	
Reversed Out	
Tool Chased	
Tester	Rod Steinbrink
Co. Rep.	Steve Davis
Contr.	Mallard
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum
WELL NAME: Freed 1-28
LOCATION : 28-17S-32W Scott KS
INTERVAL : 4230.00 To 4270.00 ft

DATE 2/22/97
KB 2986.00 ft TICKET NO: 9903 DST #4
GR 2981.00 ft FORMATION: Lansing KC "K"
TD 4270.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	13276			PF Fr. 0525 to 0555 hr
SI 60 Range(Psi)	4000.0	4000.0	4000.0	0.0	0.0	IS Fr. 0555 to 0655 hr
SF 30 Clock(hrs)	12 HR	12 HR	12 HR			SF Fr. 0655 to 0725 hr
FS 90 Depth(ft)	4265.0	4265.0	4260.0	0.0	0.0	FS Fr. 0725 to 0855 hr

	Field	1	2	3	4	
A. Init Hydro	2123.0	2120.0	0.0	0.0	0.0	T STARTED 0330 hr
B. First Flow	52.0	60.0	0.0	0.0	0.0	T ON BOTM 0520 hr
B1. Final Flow	176.0	174.0	0.0	0.0	0.0	T OPEN 0525 hr
C. In Shut-in	1120.0	1113.0	0.0	0.0	0.0	T PULLED 0855 hr
D. Init Flow	228.0	253.0	0.0	0.0	0.0	T OUT 1100 hr
E. Final Flow	270.0	276.0	0.0	0.0	0.0	
F. Fl Shut-in	1120.0	1124.0	0.0	0.0	0.0	
G. Final Hydro	2103.0	2098.0	0.0	0.0	0.0	
Inside/Outside	0	0	I			

RECOVERY

Tot Fluid 545.00 ft of 247.00 ft in DC and 298.00 ft in DP
236.00 ft of Watery Mud 20%water 80%mud
0.00 ft of
309.00 ft of Water 100%water
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 50000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
Weak to fair blow off bottom in 17 min

Initial Shut In:
Bled off blow , no return

Final Flow:
Weak blow slowly built to 10" in 30min

Final Shut In:
Bled off blow, no return

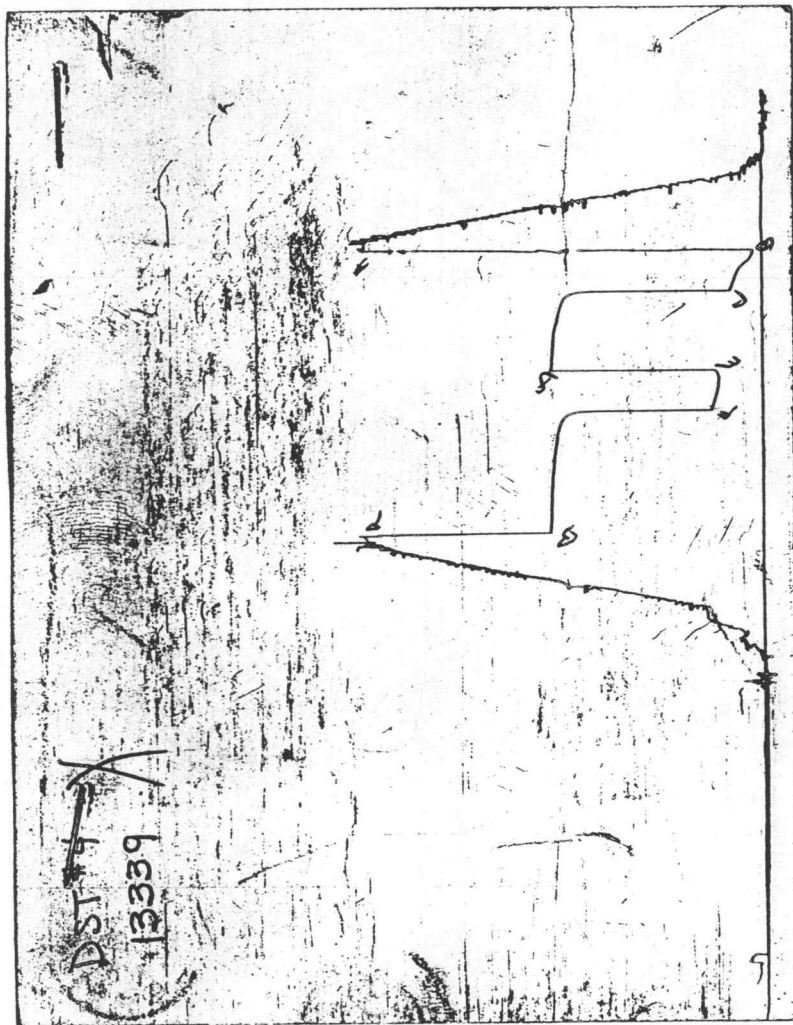
SAMPLES:
SENT TO:

Test Successful: Y

TOOL DATA-----
Tool Wt. 1800.00 lbs
Wt Set On Packer 28000.00 lbs
Wt Pulled Loose 72000.00 lbs
Initial Str Wt 58000.00 lbs
Unseated Str Wt 60000.00 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 247.00 ft
D.P. Length 3980.00 ft

MUD DATA-----
Mud Type Chemical
Weight 9.20 lb/c
Vis. 50.00 S/L
W.L. 7.00 in3
F.C. 0.00 in
Mud Drop
Amt. of fill 0.00 ft
Btm. H. Temp. 131.00 F
Hole Condition
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00
Cushion Type
Reversed Out
Tool Chased
Tester Rod Steinbrink
Co. Rep. Steve David
Contr. Mallard
Rig # 1
Unit #
Pump T.

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Inc.
WELL NAME: Freed #1-28
LOCATION : 28-17S-32W Scott KS.
INTERVAL : 4602.00 To 4650.00 ft

DATE 2-24-97
KB 2986.00 ft TICKET NO: 9904 DST #5
GR 2981.00 ft FORMATION: Morrow Sand
TD 4650.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	13339	13339	2341			PF Fr. 0410 to 0455 hr
SI 90 Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 0455 to 0626 hr
SF 60 Clock(hrs)	12 HR	12 HR	Elec			SF Fr. 0625 to 0725 hr
FS 120 Depth(ft)	4645.0	4645.0	4610.0	0.0	0.0	FS Fr. 0725 to 0925 hr

	Field	1	2	3	4	
A. Init Hydro	2273.0	2299.0	2239.0	0.0	0.0	T STARTED 0225 hr
B. First Flow	41.0	64.0	21.0	0.0	0.0	T ON BOTM 0408 hr
B1. Final Flow	62.0	78.0	51.0	0.0	0.0	T OPEN 0410 hr
C. In Shut-in	1130.0	1165.0	1150.0	0.0	0.0	T PULLED 0925 hr
D. Init Flow	93.0	151.0	58.0	0.0	0.0	T OUT 1115 hr
E. Final Flow	104.0	142.0	87.0	0.0	0.0	
F. Fl Shut-in	1130.0	1149.0	1130.0	0.0	0.0	
G. Final Hydro	2243.0	2269.0	2222.0	0.0	0.0	
Inside/Outside	O	O	I			

RECOVERY

Tot Fluid 140.00 ft of 140.00 ft in DC and 0.00 ft in DP
330.00 ft of Gas In Pipe Above Fluid
140.00 ft of Gas Oil Cut Mud 45%gas 15%oil 40%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

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
1/4" blow slowly built to 2"

Initial Shut In:
Bled off blow, no return

Final Flow:
Weak to fair blow off bottom in 40 min

Final Shut In:
Bled off blow, no return

SAMPLES:
SENT TO:

Test Successful: Y

TOOL DATA-----
Tool Wt. 1800.00 lbs
Wt Set On Packer 30000.00 lbs
Wt Pulled Loose 65000.00 lbs
Initial Str Wt 60000.00 lbs
Unseated Str Wt 60000.00 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 247.00 ft
D.P. Length 4358.00 ft

MUD DATA-----
Mud Type Chemical
Weight 9.20 lb/c
Vis. 47.00 S/L
W.L. 0.00 in3
F.C. 0.00 in
Mud Drop N

Amt. of fill 0.00 ft
Btm. H. Temp. 127.00 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 Rod Steinbrink
Co. Rep. Steve Davis
Contr. Mallard
Rig # 2
Unit #
Pump T.

*** TOOL DIAGRAM *** CONV

WELL NAME: Freed #1-28

LOCATION : 28-17S-32W Scott KS.

TICKET No. 9904 D.S.T. No. 5 DATE 2-24-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL 17

BOTTOM PACKERS AND ANCHOR

TOTAL TOOL 44

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

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

TOTAL ASSEMBLY 75

D.C. ABOVE TOOLS.Stands4 Single Total 247

D.P. ABOVE TOOLS.Stands69 Single 1 Total 4358

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4680

TOTAL DEPTH 4650

TOTAL DRILL PIPE ABOVE K.B. 30

REMARKS:

P.O. SUB 1' Above 120' DC	4455
C.O. SUB 1'	4575
S.I. TOOL 5'	4581
HMV 5'	4586
JARS 5'	4591
SAFETY JOINT 2'	4593
PACKER Top 4'	4597
PACKER Bottom 5'	4602
DEPTH	
STUBB 1'	4603
ANCHOR	
Alp Rec. @ 4610	
9' Perf	4612
1' CO Sub	4613
31' DP	4644
1' CO Sub	4645
T.C.	
DEPTH	
AK-1 Rec. @ 4645	
BULLNOSE 5'	
T.D.	4650

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 9904 DST #5 Freed #1-28 Cross Bar Petroleum
 DATE: 02/24/97 TIME: 02:25:16

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	103.00	2239.4	0.0	111.06		
***** Start Flow 1	0.00	21.4	0.0	111.14		
	1.00	22.9	1.5	111.28		
	2.00	24.1	2.6	111.39		
	3.00	24.8	3.4	111.47		
	4.00	25.5	4.1	111.56		
	5.00	26.0	4.6	111.62		
	6.00	26.7	5.2	111.67		
	7.00	27.3	5.9	111.73		
	8.00	28.2	6.8	111.79		
	9.00	29.2	7.8	111.85		
	10.00	30.3	8.8	111.90		
	11.00	31.4	10.0	111.97		
	12.00	32.2	10.8	112.04		
	13.00	33.5	12.0	112.11		
	14.00	34.6	13.2	112.19		
	15.00	35.3	13.8	112.26		
	16.00	35.9	14.4	112.33		
	17.00	36.6	15.1	112.43		
	18.00	37.3	15.9	112.51		
	19.00	38.0	16.5	112.58		
	20.00	38.6	17.2	112.68		
	21.00	39.3	17.8	112.76		
	22.00	39.9	18.4	112.85		
	23.00	40.2	18.8	112.94		
	24.00	38.2	16.8	113.03		
	25.00	38.8	17.3	113.11		
	26.00	39.3	17.8	113.14		
	27.00	40.0	18.6	113.24		
	28.00	40.6	19.2	113.34		
	29.00	41.2	19.7	113.43		
	30.00	41.7	20.3	113.53		
	31.00	42.2	20.8	113.62		
	32.00	42.8	21.4	113.71		
	33.00	43.4	22.0	113.80		
	34.00	43.8	22.4	113.91		
	35.00	44.2	22.7	113.98		
	36.00	44.6	23.2	114.07		
	37.00	45.0	23.6	114.16		
	38.00	45.7	24.2	114.25		
	39.00	46.2	24.7	114.33		
	40.00	46.7	25.3	114.43		
	41.00	47.3	25.9	114.53		
	42.00	47.9	26.4	114.62		
	43.00	48.3	26.9	114.69		
	44.00	48.8	27.4	114.79		
	45.00	49.4	27.9	114.91		
	46.00	49.7	28.3	114.96		
	47.00	50.2	28.7	115.08		
	48.00	50.6	29.2	115.20		
***** End Flow 1	49.00	51.0	29.6	115.31		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9904 DST #5 Freed #1-28 Cross Bar Petroleum

DATE: 02/24/97

TIME: 02:25:16

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Start Shutin 1	0.00	51.0	0.0	115.31	0.0000	0.003
	1.00	55.3	4.3	115.39	50.0000	0.003
	2.00	61.4	10.4	115.50	25.5000	0.004
	3.00	67.6	16.6	115.60	17.3333	0.005
	4.00	74.3	23.3	115.69	13.2500	0.006
	5.00	81.4	30.4	115.79	10.8000	0.007
	6.00	88.9	37.9	115.88	9.1667	0.008
	7.00	97.0	46.0	115.97	8.0000	0.009
	8.00	106.1	55.1	116.07	7.1250	0.011
	9.00	115.9	64.9	116.16	6.4444	0.013
	10.00	126.6	75.6	116.27	5.9000	0.016
	11.00	138.7	87.7	116.36	5.4545	0.019
	12.00	152.1	101.1	116.46	5.0833	0.023
	13.00	167.1	116.1	116.56	4.7692	0.028
	14.00	184.1	133.1	116.67	4.5000	0.034
	15.00	203.5	152.5	116.75	4.2667	0.041
	16.00	225.6	174.6	116.84	4.0625	0.051
	17.00	250.7	199.7	116.93	3.8824	0.063
	18.00	280.0	229.0	117.03	3.7222	0.078
	19.00	314.8	263.8	117.13	3.5789	0.099
	20.00	355.9	304.9	117.23	3.4500	0.127
	21.00	404.7	353.7	117.33	3.3333	0.164
	22.00	461.3	410.3	117.43	3.2273	0.213
	23.00	524.3	473.3	117.52	3.1304	0.275
	24.00	591.2	540.2	117.60	3.0417	0.349
	25.00	658.4	607.4	117.73	2.9600	0.433
	26.00	722.4	671.4	117.85	2.8846	0.522
	27.00	780.8	729.8	117.94	2.8148	0.610
	28.00	832.3	781.3	118.04	2.7500	0.693
	29.00	876.6	825.6	118.14	2.6897	0.768
	30.00	913.8	862.8	118.25	2.6333	0.835
	31.00	945.2	894.2	118.33	2.5806	0.893
	32.00	971.3	920.3	118.44	2.5312	0.943
	33.00	993.1	942.1	118.51	2.4848	0.986
	34.00	1011.4	960.4	118.59	2.4412	1.023
	35.00	1026.7	975.7	118.69	2.4000	1.054
	36.00	1039.6	988.6	118.81	2.3611	1.081
	37.00	1050.6	999.6	118.85	2.3243	1.104
	38.00	1060.1	1009.1	118.93	2.2895	1.124
	39.00	1068.2	1017.2	119.01	2.2564	1.141
	40.00	1075.2	1024.2	119.09	2.2250	1.156
	41.00	1081.4	1030.4	119.17	2.1951	1.169
	42.00	1086.7	1035.7	119.23	2.1667	1.181
	43.00	1091.5	1040.5	119.31	2.1395	1.191
	44.00	1095.7	1044.7	119.37	2.1136	1.201
	45.00	1099.5	1048.4	119.43	2.0889	1.209
	46.00	1102.9	1051.9	119.50	2.0652	1.216
	47.00	1106.0	1055.0	119.58	2.0426	1.223
	48.00	1108.9	1057.9	119.65	2.0208	1.230
	49.00	1111.4	1060.4	119.70	2.0000	1.235
	50.00	1113.7	1062.7	119.75	1.9800	1.240

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9904 DST #5 Freed #1-28 Cross Bar Petroleum

DATE: 02/24/97

TIME: 02:25:16

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
51.00	1116.0	1065.0	119.82	1.9608	1.245
52.00	1118.0	1067.0	119.88	1.9423	1.250
53.00	1119.8	1068.8	119.95	1.9245	1.254
54.00	1121.6	1070.6	120.00	1.9074	1.258
55.00	1123.3	1072.3	120.05	1.8909	1.262
56.00	1124.8	1073.8	120.10	1.8750	1.265
57.00	1126.3	1075.3	120.17	1.8596	1.268
58.00	1127.6	1076.6	120.21	1.8448	1.272
59.00	1129.0	1078.0	120.27	1.8305	1.275
60.00	1130.2	1079.1	120.33	1.8167	1.277
61.00	1131.3	1080.3	120.40	1.8033	1.280
62.00	1132.4	1081.4	120.40	1.7903	1.282
63.00	1133.6	1082.6	120.43	1.7778	1.285
64.00	1134.6	1083.6	120.46	1.7656	1.287
65.00	1135.7	1084.7	120.53	1.7538	1.290
66.00	1136.6	1085.6	120.57	1.7424	1.292
67.00	1137.5	1086.5	120.65	1.7313	1.294
68.00	1138.4	1087.4	120.70	1.7206	1.296
69.00	1139.3	1088.3	120.74	1.7101	1.298
70.00	1140.0	1089.0	120.78	1.7000	1.300
71.00	1140.9	1089.9	120.85	1.6901	1.302
72.00	1141.6	1090.6	120.89	1.6806	1.303
73.00	1142.3	1091.3	120.95	1.6712	1.305
74.00	1143.1	1092.0	120.96	1.6622	1.307
75.00	1143.7	1092.7	121.04	1.6533	1.308
76.00	1144.4	1093.4	121.09	1.6447	1.310
77.00	1144.9	1093.9	121.16	1.6364	1.311
78.00	1145.6	1094.6	121.15	1.6282	1.312
79.00	1146.1	1095.1	121.23	1.6203	1.314
80.00	1146.7	1095.7	121.29	1.6125	1.315
81.00	1147.3	1096.3	121.34	1.6049	1.316
82.00	1147.8	1096.8	121.37	1.5976	1.317
83.00	1148.3	1097.3	121.42	1.5904	1.318
84.00	1148.8	1097.8	121.48	1.5833	1.320
85.00	1149.3	1098.3	121.51	1.5765	1.321
86.00	1149.8	1098.8	121.55	1.5698	1.322
87.00	1150.2	1099.2	121.59	1.5632	1.323
88.00	1150.8	1099.8	121.63	1.5568	1.324
***** End Shut-in 1					
***** Start Flow 2					
0.00	58.2	0.0	121.62		
1.00	59.5	1.4	121.62		
2.00	62.2	4.0	121.61		
3.00	63.4	5.2	121.61		
4.00	64.2	6.0	121.61		
5.00	64.8	6.7	121.62		
6.00	65.4	7.2	121.62		
7.00	66.1	7.9	121.64		
8.00	66.5	8.3	121.66		
9.00	67.0	8.9	121.70		
10.00	67.4	9.3	121.70		
11.00	67.9	9.8	121.75		
12.00	68.5	10.3	121.79		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9904 DST #5 Freed #1-28 Cross Bar Petroleum

DATE: 02/24/97

TIME: 02:25:16

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	13.00	69.2	11.0	121.83		
	14.00	69.7	11.5	121.85		
	15.00	70.2	12.0	121.89		
	16.00	70.8	12.7	121.93		
	17.00	71.3	13.1	121.98		
	18.00	71.9	13.7	122.02		
	19.00	72.2	14.1	122.06		
	20.00	72.8	14.7	122.11		
	21.00	73.0	14.9	122.15		
	22.00	73.7	15.6	122.19		
	23.00	74.1	15.9	122.23		
	24.00	74.5	16.3	122.28		
	25.00	75.1	16.9	122.32		
	26.00	75.6	17.4	122.37		
	27.00	76.0	17.8	122.41		
	28.00	76.0	17.9	122.46		
	29.00	76.7	18.5	122.51		
	30.00	77.4	19.2	122.55		
	31.00	77.8	19.6	122.59		
	32.00	78.1	19.9	122.63		
	33.00	78.4	20.2	122.68		
	34.00	78.8	20.6	122.73		
	35.00	79.2	21.0	122.78		
	36.00	79.7	21.5	122.81		
	37.00	80.2	22.1	122.86		
	38.00	80.7	22.5	122.90		
	39.00	81.1	22.9	122.94		
	40.00	81.4	23.2	122.99		
	41.00	81.9	23.7	123.03		
	42.00	82.3	24.1	123.08		
	43.00	82.6	24.4	123.12		
	44.00	83.0	24.8	123.15		
	45.00	83.3	25.1	123.21		
	46.00	83.7	25.6	123.25		
	47.00	84.2	26.1	123.30		
	48.00	84.4	26.3	123.34		
	49.00	84.9	26.7	123.38		
	50.00	85.0	26.8	123.42		
	51.00	85.6	27.4	123.46		
	52.00	85.9	27.7	123.51		
	53.00	86.3	28.1	123.55		
	54.00	86.4	28.2	123.59		
	55.00	87.0	28.9	123.63		
	56.00	87.4	29.3	123.67		
	57.00	87.7	29.6	123.71		
***** End Flow 2	58.00	87.9	29.8	123.75		
***** Start Shutin 2	0.00	87.9	0.0	123.75	0.0000	0.008
	1.00	95.3	7.4	123.79	108.0000	0.009
	2.00	104.5	16.6	123.83	54.5000	0.011
	3.00	114.3	26.4	123.88	36.6667	0.013
	4.00	124.7	36.8	123.92	27.7500	0.016

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 9904 DST #5 Freed #1-28 Cross Bar Petroleum
 DATE: 02/24/97 TIME: 02:25:16

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
5.00	135.8	47.9	123.95	22.4000	0.018
6.00	147.8	59.9	124.00	18.8333	0.022
7.00	160.9	72.9	124.03	16.2857	0.026
8.00	175.3	87.4	124.07	14.3750	0.031
9.00	191.3	103.4	124.11	12.8889	0.037
10.00	209.4	121.5	124.16	11.7000	0.044
11.00	230.1	142.2	124.19	10.7273	0.053
12.00	254.1	166.2	124.24	9.9167	0.065
13.00	282.4	194.4	124.29	9.2308	0.080
14.00	315.6	227.7	124.33	8.6429	0.10
15.00	354.7	266.8	124.39	8.1333	0.126
16.00	400.7	312.8	124.42	7.6875	0.161
17.00	453.1	365.1	124.48	7.2941	0.205
18.00	511.0	423.0	124.52	6.9444	0.261
19.00	571.8	483.9	124.57	6.6316	0.327
20.00	632.9	545.0	124.62	6.3500	0.401
21.00	691.4	603.5	124.69	6.0952	0.478
22.00	745.2	657.3	124.76	5.8636	0.555
23.00	793.4	705.5	124.83	5.6522	0.629
24.00	835.0	747.1	124.87	5.4583	0.697
25.00	870.7	782.7	124.92	5.2800	0.758
26.00	900.7	812.8	124.98	5.1154	0.811
27.00	926.1	838.2	125.02	4.9630	0.858
28.00	947.5	859.6	125.08	4.8214	0.898
29.00	965.6	877.6	125.13	4.6897	0.932
30.00	980.9	893.0	125.17	4.5667	0.962
31.00	993.9	906.0	125.23	4.4516	0.988
32.00	1005.1	917.2	125.26	4.3438	1.010
33.00	1014.7	926.8	125.31	4.2424	1.030
34.00	1023.1	935.2	125.34	4.1471	1.047
35.00	1030.3	942.4	125.38	4.0571	1.061
36.00	1036.8	948.9	125.43	3.9722	1.075
37.00	1042.4	954.5	125.47	3.8919	1.087
38.00	1047.4	959.5	125.51	3.8158	1.097
39.00	1051.9	964.0	125.55	3.7436	1.106
40.00	1056.1	968.2	125.54	3.6750	1.115
41.00	1059.6	971.7	125.60	3.6098	1.123
42.00	1063.0	975.1	125.64	3.5476	1.130
43.00	1066.1	978.1	125.68	3.4884	1.136
44.00	1068.8	980.9	125.72	3.4318	1.142
45.00	1071.4	983.5	125.75	3.3778	1.148
46.00	1073.7	985.8	125.79	3.3261	1.153
47.00	1076.0	988.1	125.81	3.2766	1.158
48.00	1078.1	990.1	125.85	3.2292	1.162
49.00	1079.9	992.0	125.87	3.1837	1.166
50.00	1081.7	993.7	125.89	3.1400	1.170
51.00	1083.4	995.5	125.94	3.0980	1.174
52.00	1085.0	997.1	125.96	3.0577	1.177
53.00	1086.6	998.7	126.00	3.0189	1.181
54.00	1088.0	1000.1	126.01	2.9815	1.184
55.00	1089.4	1001.4	126.03	2.9455	1.187

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9904 DST #5 Freed #1-28 Cross Bar Petroleum

DATE: 02/24/97

TIME: 02:25:16

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
56.00	1090.7	1002.8	126.07	2.9107	1.190
57.00	1091.9	1004.0	126.10	2.8772	1.192
58.00	1093.2	1005.2	126.14	2.8448	1.195
59.00	1094.3	1006.4	126.16	2.8136	1.197
60.00	1095.5	1007.6	126.18	2.7833	1.200
61.00	1096.5	1008.6	126.21	2.7541	1.202
62.00	1097.6	1009.7	126.23	2.7258	1.205
63.00	1098.5	1010.6	126.26	2.6984	1.207
64.00	1099.6	1011.7	126.30	2.6719	1.209
65.00	1100.5	1012.6	126.31	2.6462	1.211
66.00	1101.4	1013.5	126.34	2.6212	1.213
67.00	1102.3	1014.4	126.36	2.5970	1.215
68.00	1103.1	1015.2	126.41	2.5735	1.217
69.00	1104.0	1016.1	126.42	2.5507	1.219
70.00	1104.7	1016.8	126.44	2.5286	1.220
71.00	1105.6	1017.7	126.50	2.5070	1.222
72.00	1106.3	1018.4	126.48	2.4861	1.224
73.00	1107.1	1019.2	126.51	2.4658	1.226
74.00	1107.8	1019.9	126.53	2.4459	1.227
75.00	1108.6	1020.7	126.56	2.4267	1.229
76.00	1109.2	1021.3	126.58	2.4079	1.230
77.00	1109.9	1022.0	126.62	2.3896	1.232
78.00	1110.5	1022.6	126.63	2.3718	1.233
79.00	1111.2	1023.3	126.66	2.3544	1.235
80.00	1111.9	1023.9	126.68	2.3375	1.236
81.00	1112.5	1024.5	126.70	2.3210	1.238
82.00	1113.1	1025.2	126.73	2.3049	1.239
83.00	1113.7	1025.7	126.74	2.2892	1.240
84.00	1114.2	1026.3	126.78	2.2738	1.242
85.00	1114.8	1026.9	126.79	2.2588	1.243
86.00	1115.4	1027.5	126.82	2.2442	1.244
87.00	1115.8	1027.9	126.83	2.2299	1.245
88.00	1116.5	1028.6	126.86	2.2159	1.247
89.00	1117.0	1029.1	126.89	2.2022	1.248
90.00	1117.6	1029.7	126.91	2.1889	1.249
91.00	1118.1	1030.2	126.94	2.1758	1.250
92.00	1118.7	1030.7	126.97	2.1630	1.251
93.00	1119.2	1031.2	126.96	2.1505	1.253
94.00	1119.6	1031.7	126.99	2.1383	1.254
95.00	1120.1	1032.2	127.03	2.1263	1.255
96.00	1120.6	1032.7	127.04	2.1146	1.256
97.00	1121.0	1033.1	127.06	2.1031	1.257
98.00	1121.5	1033.6	127.09	2.0918	1.258
99.00	1122.0	1034.0	127.11	2.0808	1.259
100.00	1122.4	1034.5	127.14	2.0700	1.260
101.00	1122.9	1035.0	127.14	2.0594	1.261
102.00	1123.3	1035.4	127.17	2.0490	1.262
103.00	1123.7	1035.8	127.19	2.0388	1.263
104.00	1124.1	1036.2	127.22	2.0288	1.264
105.00	1124.6	1036.7	127.23	2.0190	1.265
106.00	1125.0	1037.1	127.25	2.0094	1.266

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9904 DST #5 Freed #1-28 Cross Bar Petroleum

DATE: 02/24/97 TIME: 02:25:16

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	107.00	1125.4	1037.4	127.28	2.0000	1.266
	108.00	1125.8	1037.9	127.30	1.9907	1.267
	109.00	1126.2	1038.2	127.32	1.9817	1.268
	110.00	1126.5	1038.6	127.33	1.9727	1.269
	111.00	1126.9	1039.0	127.37	1.9640	1.270
	112.00	1127.2	1039.3	127.38	1.9554	1.271
	113.00	1127.6	1039.7	127.39	1.9469	1.272
	114.00	1128.0	1040.1	127.42	1.9386	1.272
	115.00	1128.4	1040.4	127.45	1.9304	1.273
	116.00	1128.7	1040.8	127.46	1.9224	1.274
	117.00	1129.1	1041.2	127.49	1.9145	1.275
	118.00	1129.4	1041.5	127.52	1.9068	1.275
	119.00	1129.7	1041.8	127.54	1.8992	1.276
	120.00	1130.0	1042.1	127.59	1.8917	1.277
***** End Shut-in 2	121.00	1130.3	1042.4	127.59	1.8843	1.278
***** Final Hydro.	424.00	2222.6	0.0	127.70		

TEST HISTORY

9904 DST #5 Freed #1-28 Cross Bar Petroleum

Flag Points

t (Min.) P (PSig)

A: 0.00 2239.39
B: 0.00 21.44
C: 49.00 51.00
D: 88.00 1150.76
E: 0.00 58.16
F: 58.00 87.92
G: 121.00 1130.31
Q: 0.00 2222.63

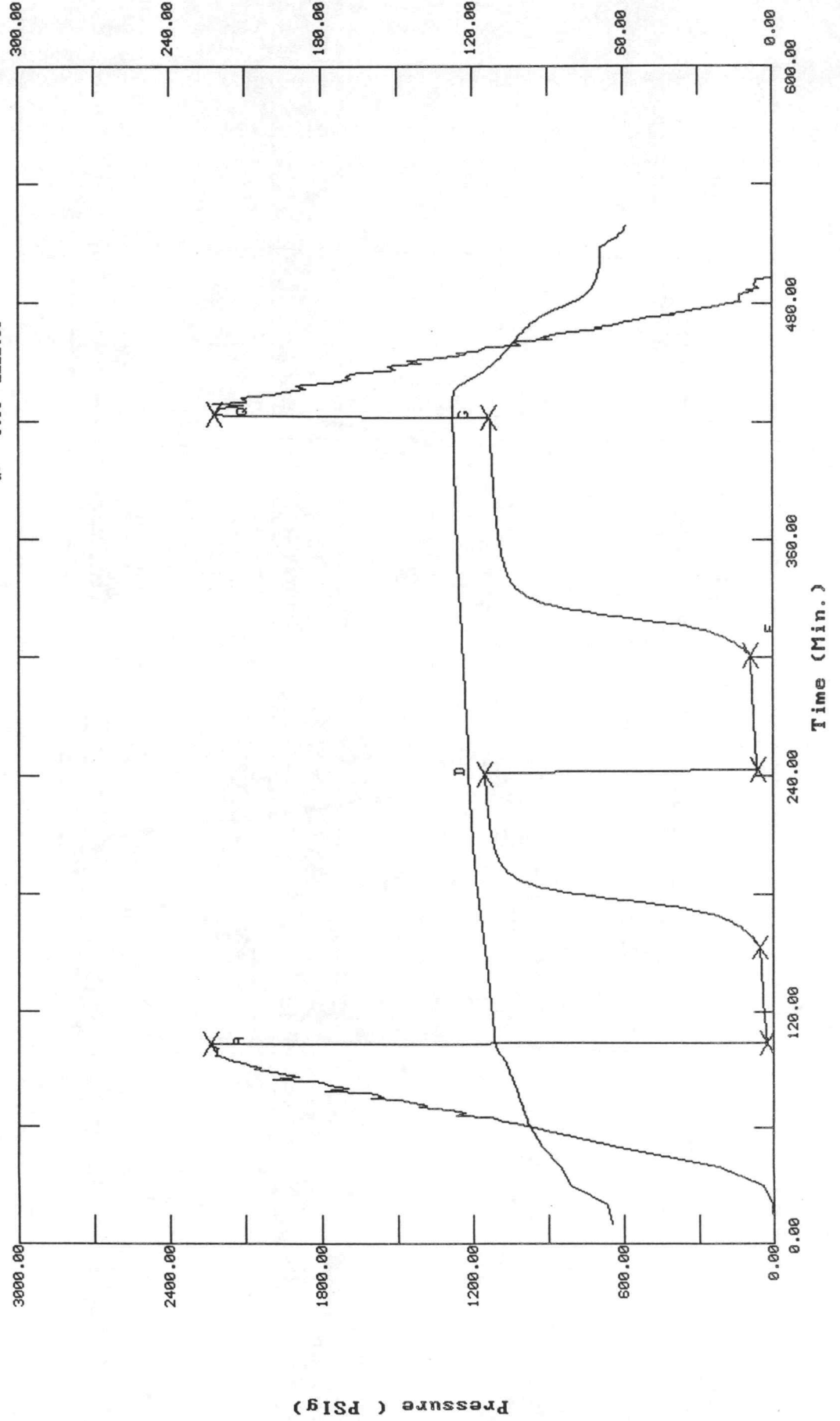
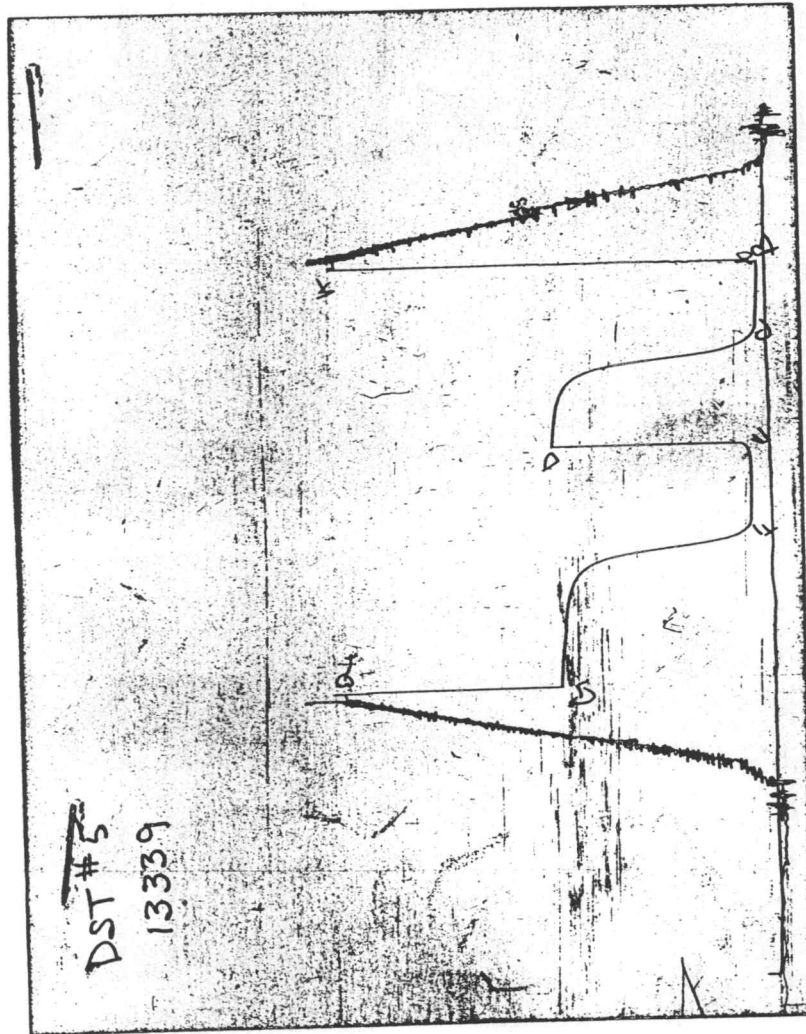


CHART PAGE



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