

Well Name: Mason #1
Company: Noble Petroleum Inc.
Location: 14-34s-1w
Sumner County Kansas
Date: 11-16-98

TRILOBITE TESTING L.L.C.

OPERATOR : Noble petroleum, inc.

DATE 11/07/199

WELL NAME: Mason #1

KB 1173.00 ft

TICKET NO: 11873 DST #1

LOCATION : 14-34s-1w Sumner co. KS

GR 1164.00 ft

FORMATION: Layton sd.

INTERVAL : 3168.00 To 3194.00 ft

TD 3194.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	2357			PF Fr. 2332 to 0002 hr
SI 60 Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 0002 to 0102 hr
SF 45 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 0102 to 0147 hr
FS 60 Depth(ft)	3191.0	3191.0	3174.0	0.0	0.0	FS Fr. 0147 to 0247 hr

	Field	1	2	3	4	
A. Init Hydro	1620.0	1620.0	1625.0	0.0	0.0	T STARTED 2137 hr
B. First Flow	30.0	33.0	18.0	0.0	0.0	T ON BOTM 2330 hr
B1. Final Flow	57.0	42.0	22.0	0.0	0.0	T OPEN 2332 hr
C. In Shut-in	1256.0	1256.0	1249.0	0.0	0.0	T PULLED 0247 hr
D. Init Flow	41.0	89.0	33.0	0.0	0.0	T OUT 0400 hr
E. Final Flow	101.0	95.0	48.0	0.0	0.0	
F. Fl Shut-in	1276.0	1267.0	1244.0	0.0	0.0	
G. Final Hydro	1610.0	1610.0	1516.0	0.0	0.0	TOOL DATA-----
Inside/Outside	O	O	I			Tool Wt. 2100.00 lbs

RECOVERY

Tot Fluid 90.00 ft of 0.00 ft in DC and 90.00 ft in DP
 30.00 ft of Water cut mud 30%water 70%mud trace of oil
 60.00 ft of Slight mud cut water 80%water 20%mud
 0.00 ft of trace of gas in pipe.
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

Wt Set On Packer 20000.00 lbs
 Wt Pulled Loose 55000.00 lbs
 Initial Str Wt 44000.00 lbs
 Unseated Str Wt 0.00 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 3166.00 ft

SALINITY 50000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Weak blow built to 5" in water
 Initial Shut-in:
 Bled down for 20 mins
 Final Flow:
 Weak blow built to 4" in water
 Final Shut-in:
 Bled down for 10 mins. no blow back

MUD DATA-----
 Mud Type Chemical
 Weight 9.10 lb/l
 Vis. 43.00 S/L
 W.L. 8.80 in3
 F.C. 0.32 in
 Mud Drop N

Amt. of fill 0.00 ft
 Btm. H. Temp. 111.00 F
 Hole Condition fair
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00 n
 Cushion Type none
 Reversed Out N
 Tool Chased N
 Tester Darren Amerine
 Co. Rep. Jerry Hoans
 Contr. Duke
 Rig # 4
 Unit # no
 Pump T. none

SAMPLES:

SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Mason #1

LOCATION : 14-34s-1w Sumner co. KS

TICKET No. 11873 D.S.T. No. 1 DATE 11/07/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 26

TOTAL TOOL 54

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands51 Single Total 3166

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3220

TOTAL DEPTH 3194

TOTAL DRILL PIPE ABOVE K.B. 26

REMARKS:

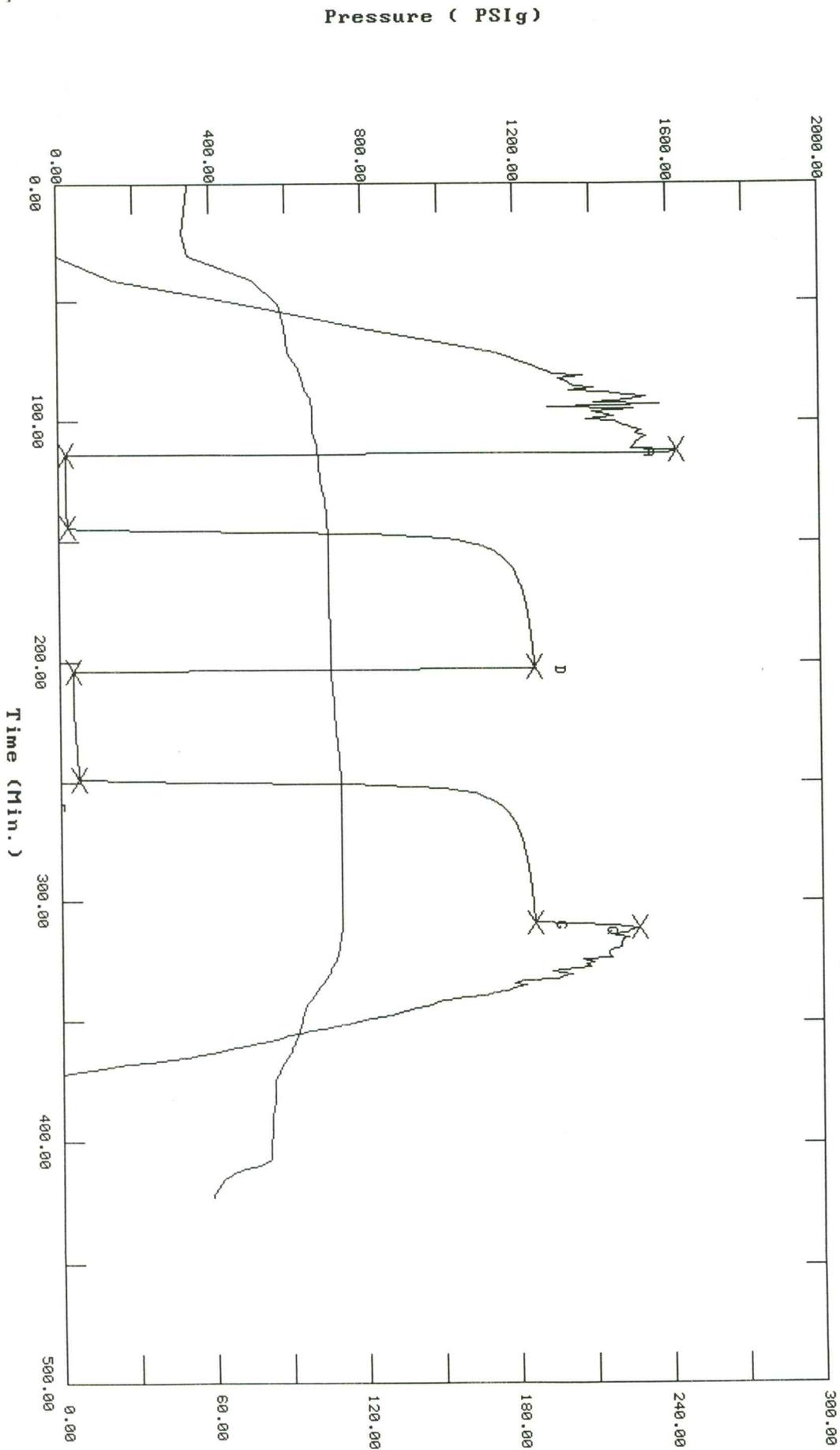
P.O. SUB Top of tool @	3141
C.O. SUB	3142
S.I. TOOL	3147
HMV	3152
JARS	3157
SAFETY JOINT	3159
PACKER	3163
PACKER	3168
DEPTH 3168	
STUBB 1'to	3169
ANCHOR 20'of perfs.to	3189
Alpine rec.@ 3174	
	3189
	3189
T.C. DEPTH	
	3189
Ak-1 rec.@ 3191	
BULLNOSE 5'bullnose to T.D.	3194

TEST HISTORY

TK#11873 DST#1 Mason #1 Noble pet, inc.

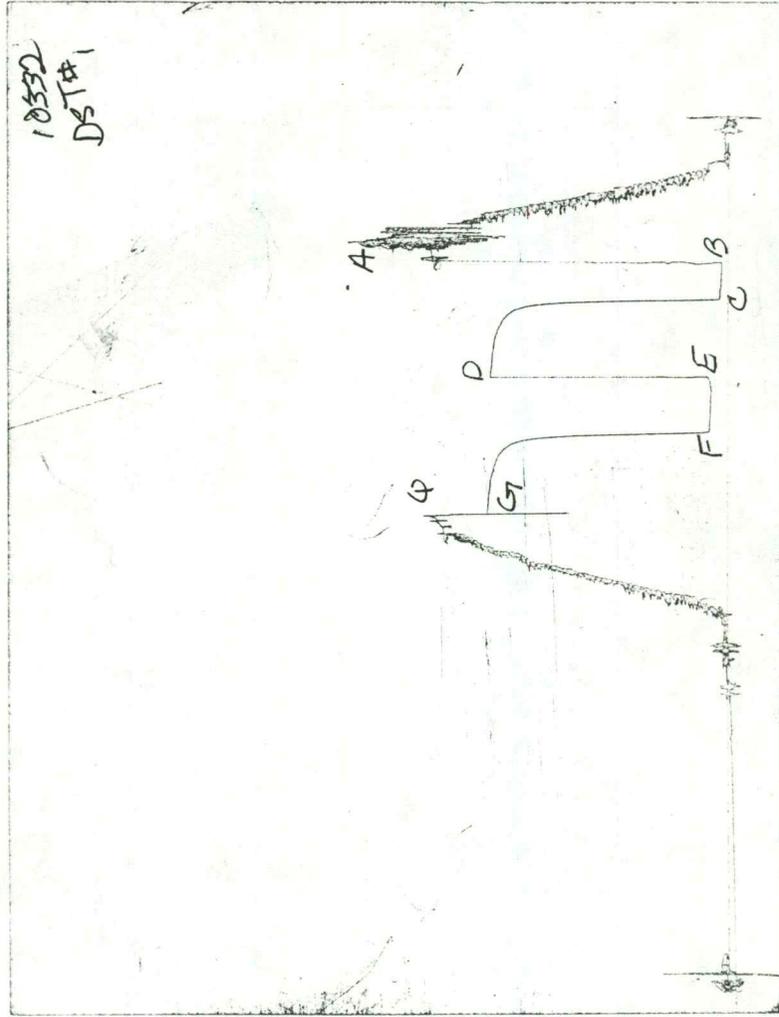
Flag Points
 t(Min.) P(PSIG)

R:	0.00	1624.59
B:	0.00	17.89
C:	30.00	22.03
D:	58.00	1249.28
E:	0.00	32.63
F:	45.00	48.17
G:	60.00	1243.82
Q:	0.00	1515.99



Temperature (DEG F)

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Noble Petroleum Inc.

DATE 11-9-1998

WELL NAME: Mason #1

KB 1174.00 ft

TICKET NO: 11687

DST #2

LOCATION : 14-34s-1w Sumner co. KS

GR 1164.00 ft

FORMATION: K C

INTERVAL : 3395.00 To 3470.00 ft

TD 3470.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	11085	11085	3027			PF Fr. 0710 to 0725 hr
SI 15 Range (Psi)	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 0725 to 0740 hr
SF 15 Clock (hrs)	12hr	12	elec			SF Fr. 0740 to 0755 hr
FS 15 Depth(ft)	3399.0	3399.0	3405.0	0.0	0.0	FS Fr. 0755 to 0810 hr

	Field	1	2	3	4	
A. Init Hydro	1658.0	1669.0	1648.0	0.0	0.0	T STARTED 0540 hr
B. First Flow	33.0	50.0	28.0	0.0	0.0	T ON BOTM 0707 hr
B1. Final Flow	33.0	50.0	24.0	0.0	0.0	T OPEN 0710 hr
C. In Shut-in	429.0	440.0	599.0	0.0	0.0	T PULLED 0810 hr
D. Init Flow	22.0	37.0	24.0	0.0	0.0	T OUT 0945 hr
E. Final Flow	22.0	37.0	25.0	0.0	0.0	
F. Fl Shut-in	506.0	523.0	649.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1603.0	1599.0	1603.0	0.0	0.0	Tool Wt. 2200.00 lbs
Inside/Outside	o	o	i			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 47000.00 lbs
						Initial Str Wt 45000.00 lbs
						Unseated Str Wt 45000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 3386.00 ft

RECOVERY

Tot Fluid	5.00 ft of	0.00 ft in DC and	5.00 ft in DP
5.00	ft of mud		
0.00	ft of		

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

BLOW DESCRIPTION

Initial Flow:
Weak blow throughout
1/2" to 1/4" blow

Final Flow:
No blow

MUD DATA-----

Mud Type chemical
Weight 9.10 lb/cf
Vis. 42.00 S/L
W.L. 10.00 in3
F.C. 0.00 in
Mud Drop

Amt. of fill 0.00 ft
Btm. H. Temp. 103.00 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 Ray Schwager
Co. Rep. Jerry Honas
Contr. Duke Drlg
Rig # 4
Unit #
Pump T.

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONV

WELL NAME: Mason #1
 LOCATION : 14-34s-1w Sumner co. KS
 TICKET No. 11687 D.S.T. No. 2 DATE 11-9-1998

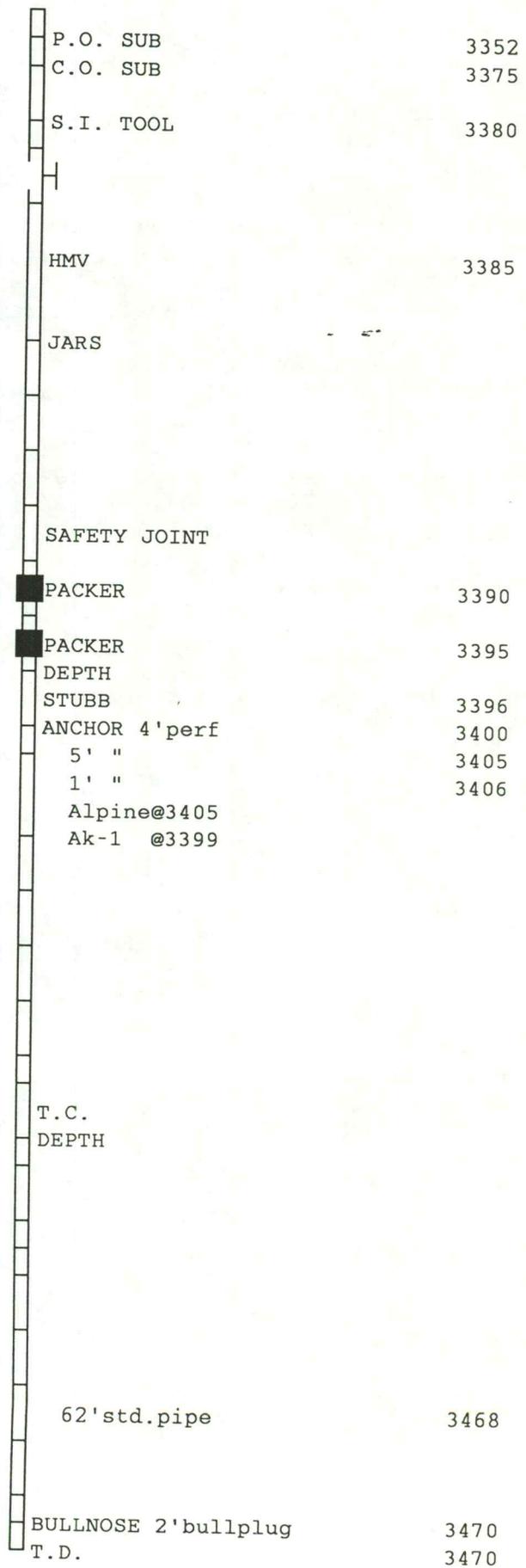
TOTAL TOOL TO BOTTOM OF TOP PACKERS 20
 INTERVAL TOOL
 BOTTOM PACKERS AND ANCHOR 13
 TOTAL TOOL 33
 DRILL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STND.Stands Single Total
 P. ANCHOR STND.Stands 1 Single Total 62
 TOTAL ASSEMBLY 95

C. ABOVE TOOLS.Stands Single Total
 P. ABOVE TOOLS.Stands 55 Single 1 Total 3386
 TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3481

TOTAL DEPTH 3470
 TOTAL DRILL PIPE ABOVE K.B. 11

REMARKS:

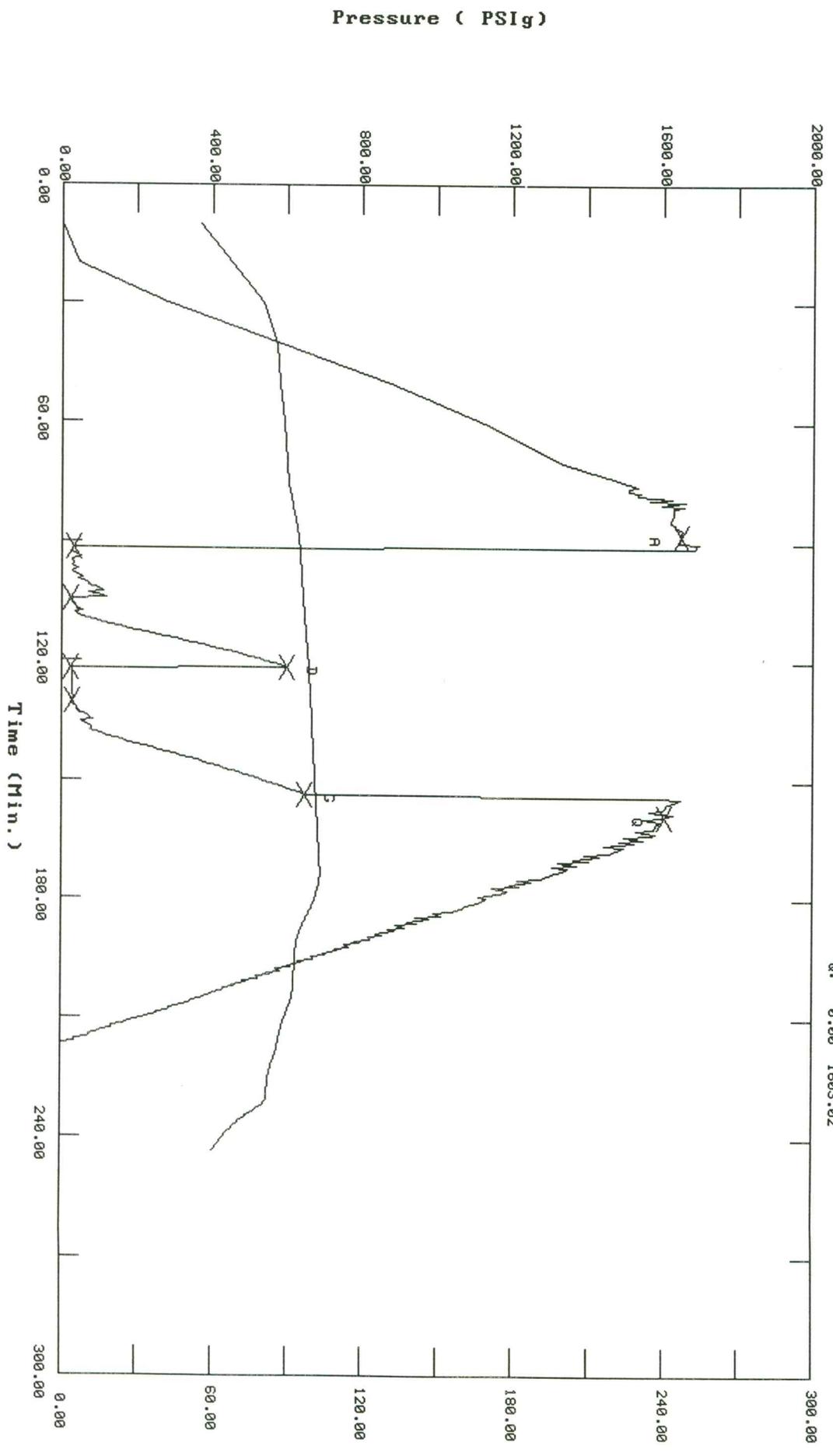


TEST HISTORY

11687 Mason #1 Noble Petro Inc. DST #2

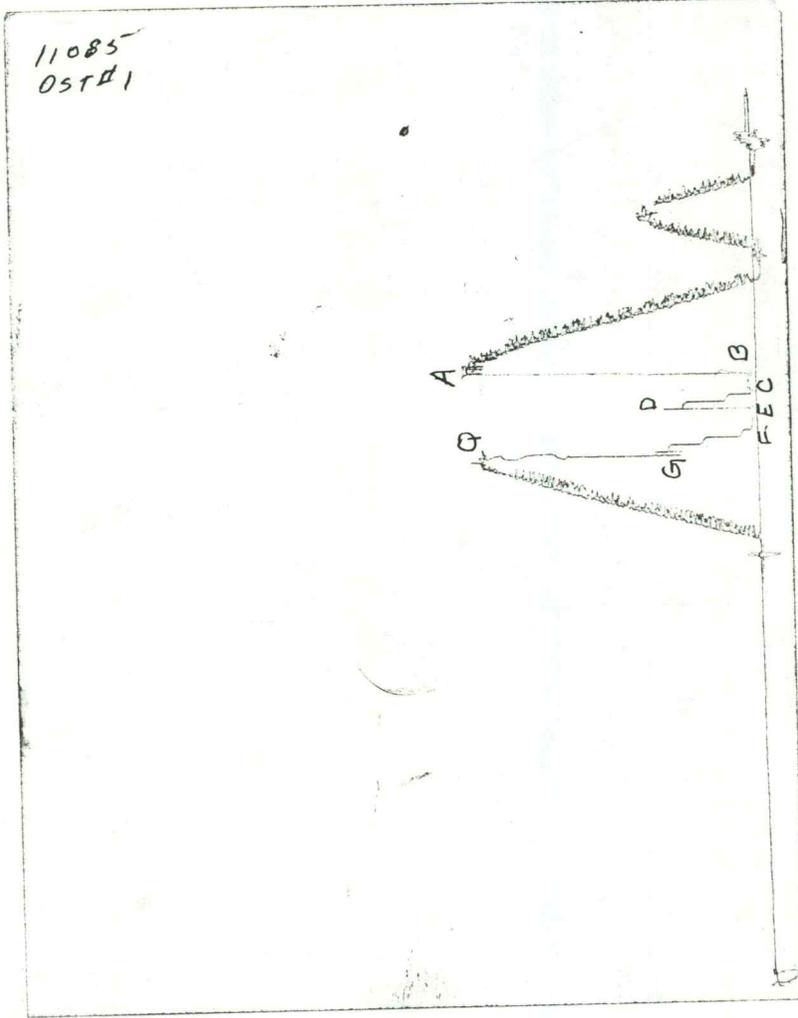
Flag Points
 t(Min.) P(PSIG)

R:	0.00	1648.33
B:	0.00	28.70
C:	13.00	24.18
D:	17.00	599.84
E:	0.00	24.08
F:	8.50	25.26
G:	23.00	649.13
Q:	0.00	1603.02



Temperature (DEG F)

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Noble Petro.Inc.

DATE 11-11-199

WELL NAME: Mason #1

KB 1174.00 ft

TICKET NO: 11688

DST #3

LOCATION : 14-34s-1w Sumner co. KS

GR 1164.00 ft

FORMATION: miss

INTERVAL : 3881.00 To 3907.00 ft

TD 3907.00 ft

TEST TYPE: CONV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	11085	11085	3027			PF Fr. 0710 to 0755 hr
SI 60 Range(Psi)	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 0755 to 0855 hr
SF 45 Clock(hrs)	12hr	12	elec			SF Fr. 0855 to 0940 hr
FS 90 Depth(ft)	3902.0	3902.0	3884.0	0.0	0.0	FS Fr. 0940 to 1110 hr

	Field	1	2	3	4	
A. Init Hydro	1896.0	1854.0	1910.0	0.0	0.0	T STARTED 0539 hr
B. First Flow	154.0	166.0	98.0	0.0	0.0	T ON BOTM 0707 hr
B1. Final Flow	187.0	209.0	171.0	0.0	0.0	T OPEN 0710 hr
C. In Shut-in	1560.0	1568.0	1547.0	0.0	0.0	T PULLED 1110 hr
D. Init Flow	165.0	181.0	120.0	0.0	0.0	T OUT 1310 hr
E. Final Flow	176.0	186.0	137.0	0.0	0.0	
F. Fl Shut-in	1517.0	1528.0	1503.0	0.0	0.0	
G. Final Hydro	1885.0	1854.0	1858.0	0.0	0.0	
Inside/Outside	o	o	i			

TOOL DATA-----

Tool Wt.	2200.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	52000.00 lbs
Initial Str Wt	47000.00 lbs
Unseated Str Wt	48000.00 lbs
Bot Choke	0.75 in
Hole Size	7.78 in
D Col. ID	0.00 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	3881.00 ft

RECOVERY

Tot Fluid 150.00 ft of 0.00 ft in DC and 150.00 ft in DP

30.00 ft of Slightly oil and gas cut mud

0.00 ft of 5% gas 3% oil 92% mud

60.00 ft of Heavy oil cut gassy mud

0.00 ft of 15% gas 20% oil 65% mud

60.00 ft of Muddy gassy oil

0.00 ft of 15% gas 45% oil 40% mud

0.00 ft of

0.00 ft of

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

BLOW DESCRIPTION

Initial Flow:

Strong blow gas to surface in 7 mins.

Final Flow:

Gas to surface

MUD DATA-----

Mud Type	chemical
Weight	9.20 lb/cf
Vis.	48.00 S/L
W.L.	11.00 in3
F.C.	0.00 in
Mud Drop	

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	Ray Schwager
Co. Rep.	Jerry Honas
Contr.	Duke
Rig #	4
Unit #	
Pump T.	

SAMPLES: gas sample two bottles

SENT TO: Liberal

Test Successful: Y

GAS RECOVERY

COMPANY: Noble Petro.Inc.

DATE: 11-11-199

WELL NAME: Mason #1

KB Elev: 1174.00 ft TICKET #11688 DST #3

WELL LOCATION: 14-34s-1w

GR Elev: 1164.00 ft FORMATION: miss

INTERVAL Fr.: 3881.00 To 3907.00 T.D.: 3907.00 ft TEST TYPE: CONV.

GAS RECOVERY MEASURED WITH orifice

**** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
15	0.50	17	0	159000.0
25	0.50	28	0	222000.0
35	0.50	35	0	260000.0
45	0.50	37	0	270000.0

**** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.50	42	0	296000.0
20	0.50	45	0	311000.0
30	0.50	45	0	311000.0
40	0.50	45	0	311000.0

*** TOOL DIAGRAM *** CONV.

WELL NAME: Mason #1

LOCATION : 14-34s-1w

TICKET No. 11688 D.S.T. No. 3 DATE 11-11-199

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 26

TOTAL TOOL 46

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands62 Single 1 Total 3881

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3927

TOTAL DEPTH 3907

TOTAL DRILL PIPE ABOVE K.B. 20

REMARKS:

H	P.O. SUB	3737
H	C.O. SUB	3859
H	S.I. TOOL	3864
H		
H	HMV	3871
H	JARS	
H		
H	SAFETY JOINT	
H	PACKER	3876
H	PACKER	3881
H	DEPTH	
H	STUBB	3882
H	ANCHOR 5'perf	3887
H	5' "	3892
H	5' "	3897
H	Alpine@3884	
H	AK-1 @3902	
H		
H		
H	T.C.	
H	DEPTH	
H		
H		
H	5'perf	3902
H	3' "	3905
H		
H	BULLNOSE 2'bullplug	3907
H	T.D.	3907

TEST HISTORY

11688 Mason #1 Noble Petroleum, Inc. DST #3

Flag Points

t(min.)	P (PSig)
A:	0.00 1910.68
B:	0.00 98.80
C:	42.50 171.80
D:	59.50 1547.67
E:	0.00 120.99
F:	42.50 137.45
G:	90.00 1503.69
Q:	0.00 1858.51

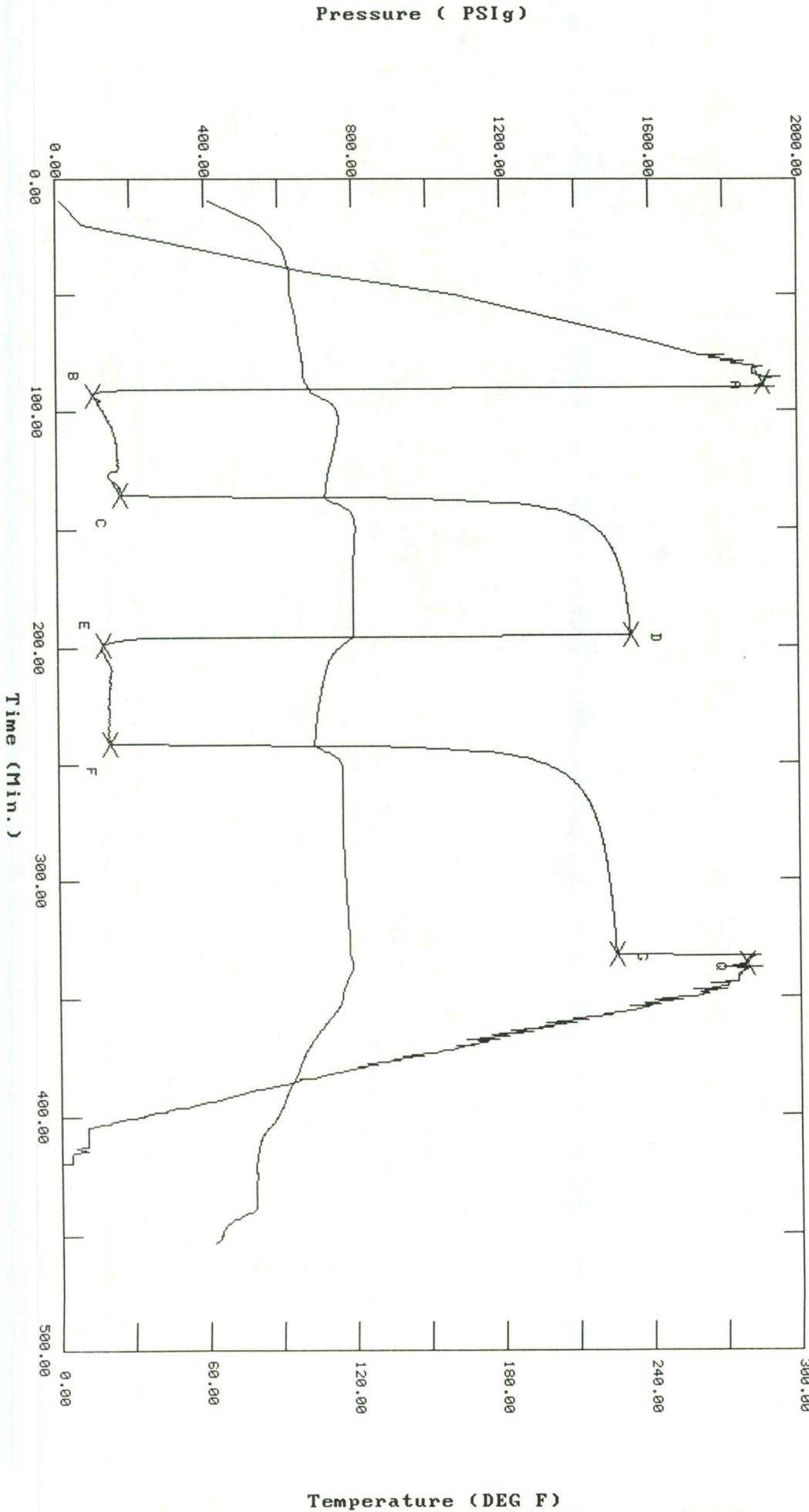
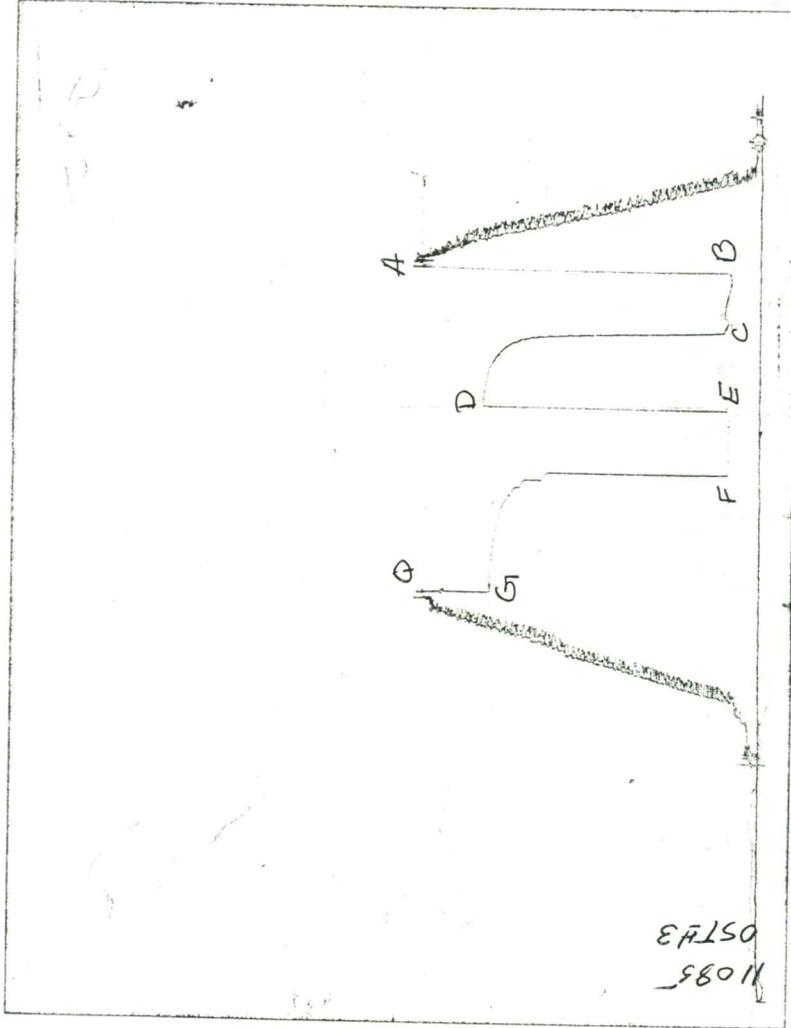


CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Noble Petroleum, Inc. DATE 11-13-199
 WELL NAME: Mason #1 KB 1174.00 ft TICKET NO: 11689 DST #4
 LOCATION : 14-34s-1w Sumner co. KS GR 1164.00 ft FORMATION: simpson sd.
 INTERVAL : 4232.00 To 4276.00 ft TD 4276.00 ft TEST TYPE: CONV.

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 45	Rec.	11085	11085	3027			PF Fr. 1150 to 1235 hr
SI 60	Range(Psi)	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 1235 to 1335 hr
SF 45	Clock(hrs)	12hr	12	elec			SF Fr. 1335 to 1420 hr
FS 60	Depth(ft)	4238.0	4238.0	4244.0	0.0	0.0	FS Fr. 1420 to 1520 hr

	Field	1	2	3	4	
A. Init Hydro	2101.0	2086.0	2091.0	0.0	0.0	T STARTED 1010 hr
B. First Flow	66.0	67.0	25.0	0.0	0.0	T ON BOTM 1147 hr
B1. Final Flow	77.0	71.0	41.0	0.0	0.0	T OPEN 1150 hr
C. In Shut-in	1603.0	1596.0	1640.0	0.0	0.0	T PULLED 1520 hr
D. Init Flow	0.0	0.0	48.0	0.0	0.0	T OUT 1725 hr
E. Final Flow	0.0	0.0	66.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	1639.0	0.0	0.0	
G. Final Hydro	2101.0	2086.0	2077.0	0.0	0.0	
Inside/Outside	o	o	i			

TOOL DATA-----

Tool Wt.	2200.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	54000.00 lbs
Initial Str Wt	50000.00 lbs
Unseated Str Wt	52000.00 lbs
Bot Choke	0.75 in
Hole Size	7.78 in
D Col. ID	0.00 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	4229.00 ft

RECOVERY

Tot Fluid 115.00 ft of 0.00 ft in DC and 115.00 ft in DP
 3600.00 ft of gas in pipe
 55.00 ft of oil cut gassy mud 10%oil 35%gas 65%mud
 60.00 ft of heavy oil cut gassy mud 17%oil 62%gas 21%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 Flow:
 Weak building to strong blow 8 mins.
 Final Flow:
 Strong blow throughout

MUD DATA-----

Mud Type	chemical
Weight	9.00 lb/cf
Vis.	50.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	127.00 F
Hole Condition	good
% Porosity	0.00

*** TOOL DIAGRAM *** CONV.

WELL NAME: Mason #1

LOCATION : 14-34s-1w

TICKET No. 11689 D.S.T. No. 4 DATE 11-13-199

TOTAL TOOL TO BOTTOM OF TOP PACKERS 20

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 44

TOTAL TOOL 64

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands69 Single Total 4229

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4293

TOTAL DEPTH 4276

TOTAL DRILL PIPE ABOVE K.B. 17

REMARKS:
AK-1 clock stop at initial shut-in

P.O. SUB	4192
C.O. SUB	4212
S.I. TOOL	4217
HMV	4222
JARS	
SAFETY JOINT	
PACKER	4227
PACKER	4232
DEPTH	
STUBB	4233
ANCHOR 5'perf	4238
5' "	4243
5' "	4248
5' "	4253
5' "	4258
Alpine@4244	
Ak-1 @4238	
T.C. DEPTH	
5'perf	4263
4' "	4267
4' "	4271
3' "	4274
BULLNOSE 2'bullplug	4276
T.D.	4276

TEST HISTORY

11689 Mason #1 Noble Petroleum, Inc. DST #4

Flag Points

t (Min.) P (PSig)

A: 0.00 2091.41
 B: 0.00 25.88
 C: 44.50 41.90
 D: 60.00 1640.90
 E: 0.00 48.03
 F: 44.00 66.57
 G: 59.50 1639.89
 Q: 0.00 2077.69

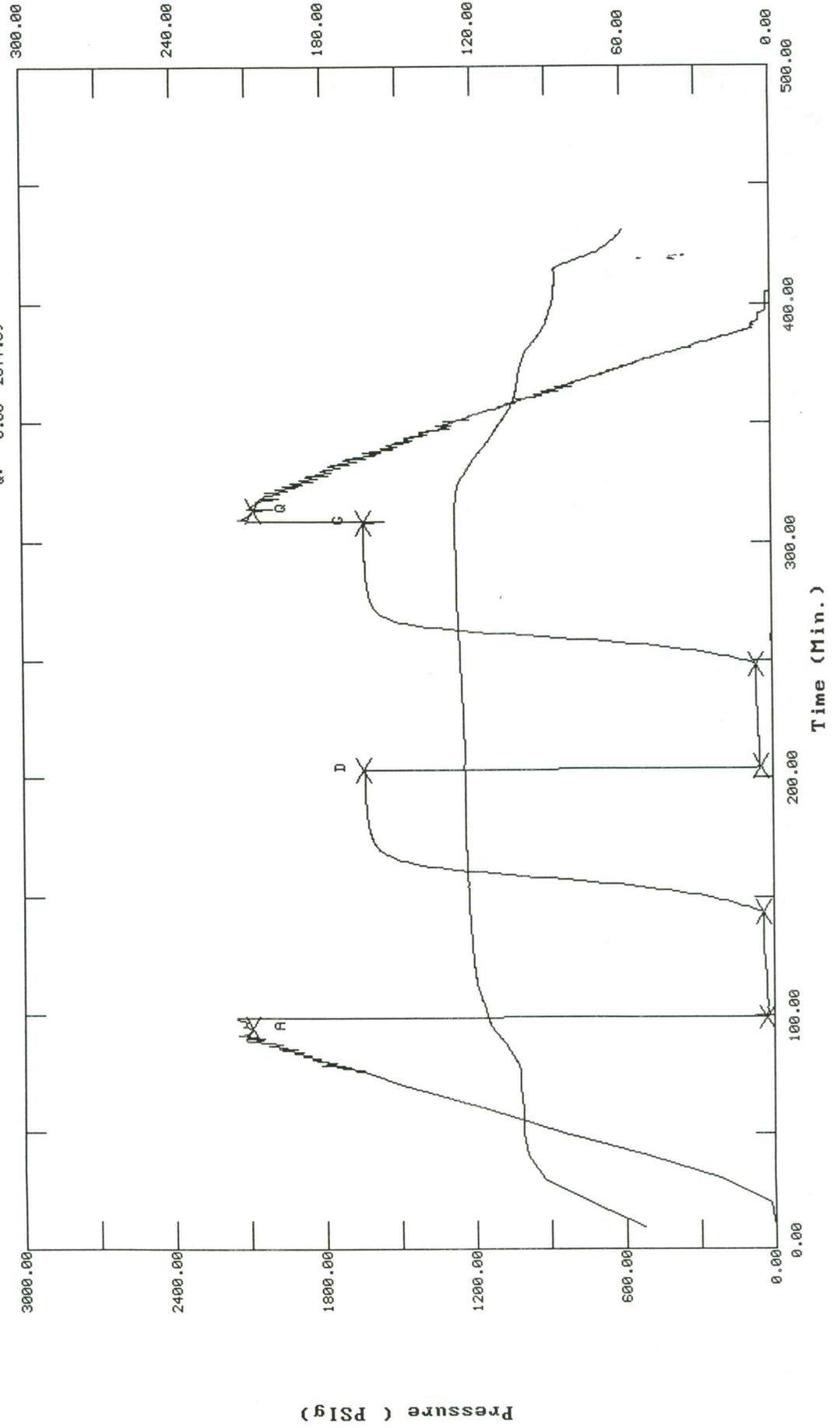
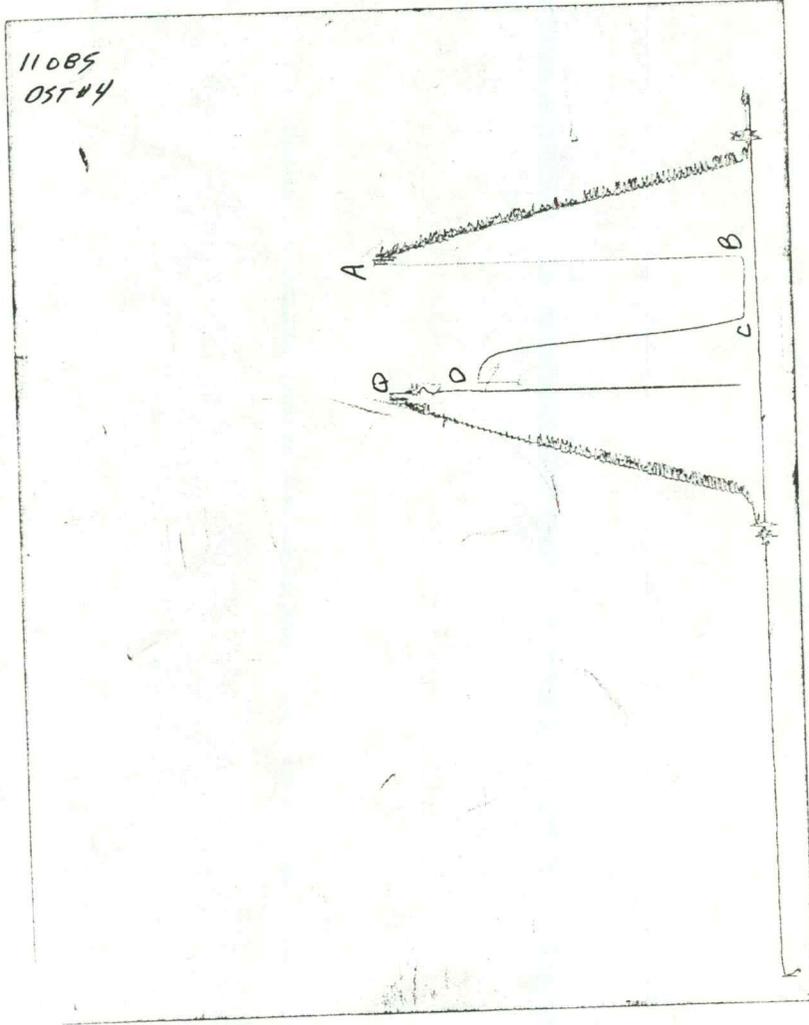


CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Noble Petroleum Inc.
 WELL NAME: Mason #1
 LOCATION : 14-34s-1w Sumner co. KS
 INTERVAL : 4276.00 To 4284.00 ft

DATE 11-13-199

KB 1174.00 ft TICKET NO: 11690 DST #5
 GR 1164.00 ft FORMATION: simpson sd
 TD 4284.00 ft TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	11085	11085	3027			PF Fr. 0120 to 0150 hr
SI 60	Range(Psi)	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 0150 to 0250 hr
SF 30	Clock(hrs)	12hr	12	elec			SF Fr. 0250 to 0320 hr
FS 60	Depth(ft)	4267.0	4267.0	4278.0	0.0	0.0	FS Fr. 0320 to 0420 hr

	Field	1	2	3	4	
A. Init Hydro	2155.0	2137.0	2102.0	0.0	0.0	T STARTED 2335 hr
B. First Flow	132.0	122.0	113.0	0.0	0.0	T ON BOTM 0117 hr
B1. Final Flow	253.0	246.0	262.0	0.0	0.0	T OPEN 0120 hr
C. In Shut-in	1603.0	1603.0	1634.0	0.0	0.0	T PULLED 0420 hr
D. Init Flow	319.0	323.0	295.0	0.0	0.0	T OUT 0725 hr
E. Final Flow	440.0	443.0	439.0	0.0	0.0	
F. Fl Shut-in	1603.0	1603.0	1635.0	0.0	0.0	
G. Final Hydro	2004.0	2115.0	2031.0	0.0	0.0	
Inside/Outside	o	o	i			

TOOL DATA-----
 Tool Wt. 2200.00 lbs
 Wt Set On Packer 20000.00 lbs
 Wt Pulled Loose 60000.00 lbs
 Initial Str Wt 50000.00 lbs
 Unseated Str Wt 57000.00 lbs
 Bot Choke 0.75 in
 Hole Size 7.78 in
 D Col. ID 0.00 in
 D. Pipe ID 3.80 in
 D.C. Length 0.00 ft
 D.P. Length 4260.00 ft

RECOVERY

Tot Fluid 1050.00 ft of 0.00 ft in DC and 1050.00 ft in DP
 500.00 ft of clean oil
 185.00 ft of muddy gassy oil 40% gas 53% oil 7% mud
 370.00 ft of water rw .07 @ 70F
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 120000.00 P.P.M. A.P.I. Gravity 40.00

BLOW DESCRIPTION

Initial Flow:
 Strong blow gas to surface in 13 mins
 Final Flow:
 Gas to surface

MUD DATA-----
 Mud Type chemical
 Weight 9.30 lb/cf
 Vis. 56.00 S/L
 W.L. 8.80 in3
 F.C. 0.00 in
 Mud Drop

Amt. of fill 0.00 ft
 Btm. H. Temp. 138.00 F
 Hole Condition good
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type

SAMPLES:
 SENT TO:

Reversed Out N
 Tool Chased N
 Tester Ray Schwager
 Co. Rep. Jerry Honas
 Contr. Duke Drlg.
 Rig # 4
 Unit #
 Pump T.

Test Successful: Y

GAS RECOVERY

COMPANY: Noble Petroleum Inc.

DATE: 11-13-199

WELL NAME: Mason #1

KB Elev: 1174.00 ft TICKET #11690 DST #5

WELL LOCATION: 14-34s-1w

GR Elev: 1164.00 ft FORMATION: simpson sd

INTERVAL Fr.: 4276.00 To 4284.00 T.D.: 4284.00 ft TEST TYPE: CONV

GAS RECOVERY MEASURED WITH orifice

**** GAS RATES FOR FLOW #1

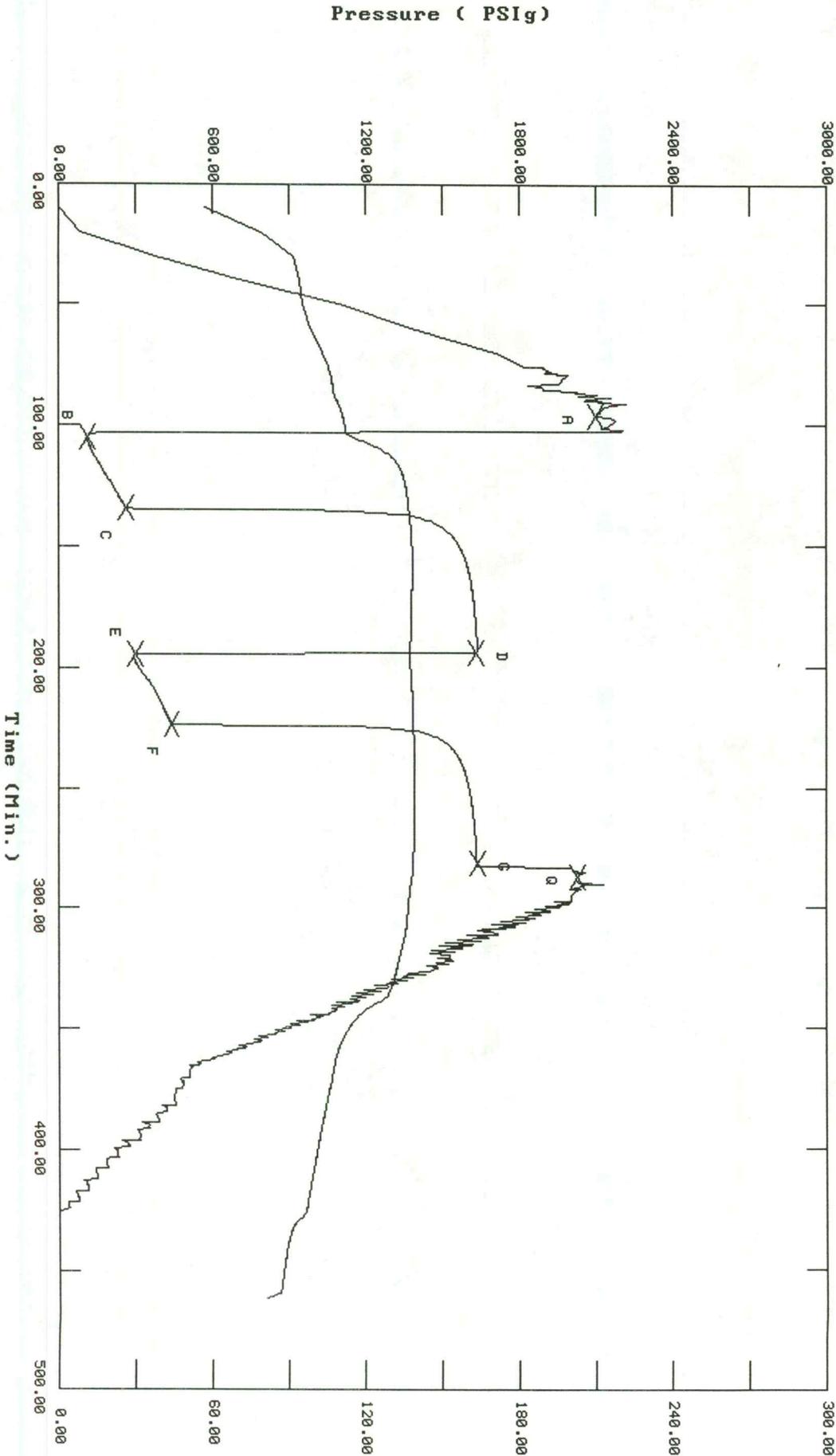
Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
20	0.25	0	42	10900.0
30	0.50	0	34	36500.0

**** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.50	0	3	10900.0
20	0.50	0	6	15400.0
30	0.50	0	15	24500.0

TEST HISTORY

11690 DST#5 Mason #1 Noble Petroleum, Inc.



t(min.)	Pk PSig)
R:	0.00 2102.44
B:	0.00 113.28
C:	29.00 262.32
D:	60.00 1634.03
E:	0.00 295.31
F:	29.00 439.18
G:	58.00 1635.23
0:	0.00 2031.21

Flag Points

Temperature (DEG F)

