

15-007-22567

10-34s-13w \*

Computer Inventoried

CONFIDENTIAL

KCC

WELL NAME: Donovan 1  
COMPANY: Woolsey Petroleum Corp  
LOCATION: 10-34S-13W  
Barber County, Kansas  
DATE: 7/24/98

ORIGINAL

CONFIDENTIAL

ORIGINAL

TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey Pet, Corp. DATE 07/11/98  
 WELL NAME: Donovan KB 1702.00 ft TICKET NO: 11826 DST #1  
 LOCATION : 10-34s-13w Barber co. KS GR 1694.00 ft FORMATION: Snyderville  
 INTERVAL : 3948.00 To 4000.00 ft TD 4000.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	3030			PF Fr. 1049 to 1119 hr
SI 60 Range(Psi )	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 1119 to 1219 hr
SF 90 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 1219 to 1349 hr
FS 240 Depth(ft )	3997.0	3997.0	3988.0	0.0	0.0	FS Fr. 1349 to 1749 hr

	Field	1	2	3	4	
A. Init Hydro	1845.0	1836.0	1889.0	0.0	0.0	T STARTED 0845 hr
B. First Flow	111.0	96.0	54.0	0.0	0.0	T ON BOTM 1046 hr
B1. Final Flow	101.0	91.0	54.0	0.0	0.0	T OPEN 1049 hr
C. In Shut-in	283.0	276.0	266.0	0.0	0.0	T PULLED 1749 hr
D. Init Flow	101.0	90.0	49.0	0.0	0.0	T OUT 1905 hr
E. Final Flow	81.0	86.0	53.0	0.0	0.0	
F. Fl Shut-in	689.0	686.0	693.0	0.0	0.0	
G. Final Hydro	1855.0	1851.0	1853.0	0.0	0.0	
Inside/Outside	0	0	I			

TOOL DATA-----

Tool Wt.	2100.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	75000.00 lbs
Initial Str Wt	47000.00 lbs
Unseated Str Wt	48000.00 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	3964.00 ft

RECOVERY

Tot Fluid 45.00 ft of 0.00 ft in DC and 45.00 ft in DP  
 45.00 ft of Very slight gas cut mud 2%gas 98%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:  
 Fair blow bottom of bucket in 24 mins  
 Initial Shut-in:  
 Bled down for 5 mins. No blow back  
 Final Flow:  
 Strong blow bottom of bucket in 30 mins.  
 Final Shut-in:  
 Bled down for 10 mins. No blow back

KCC  
 JUL 15 1998  
 03 11 1998

MUD DATA-----

Mud Type	chemical
Weight	9.00 lb/c
Vis.	49.00 S/L
W.L.	11.50 in3
F.C.	0.32 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	113.00 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 Y	10.00 ft
Tester	Darren Amerine
Co. Rep.	Mikeal K, Maune
Contr.	Duke
Rig #	2
Unit #	no
Pump T.	no

SAMPLES:  
SENT TO:

FROM: CON. ID. 1111

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Donovan

LOCATION : 10-34s-13w Barber co. KS

TICKET No. 11826 D.S.T. No. 1 DATE 07/11/98

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 28

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 20

TOTAL TOOL ..... 48

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

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

TOTAL ASSEMBLY ..... 79

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands64 Single 1 Total 3933

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4012

TOTAL DEPTH ..... 4000

TOTAL DRILL PIPE ABOVE K.B. .... 12

REMARKS:

P.O. SUB Top of tool @	3922
C.O. SUB	3923
S.I. TOOL	3928
HMV	3932
JARS	3937
SAFETY JOINT	3939
PACKER	3943
PACKER	3948
DEPTH	
STUBB 1'stubb to	3949
ANCHOR 2'of perfs.to	3951
31'jt.drillpipe to	3982
	3982
T.C.	
DEPTH	
alpine rec.@3988	
13'of perfs.to	3995
	3995
ak-1 rec.@3997	
BULLNOSE 5'bullnose to	4000
T.D.	

# TEST HISTORY

Tk#11826 DST#1 Donovan #1 Woolsey Pet, Corp.

## Flag Points

t (Min.)	P (PSig)
A: 0.00	1886.89
B: 0.00	54.26
C: 30.25	54.38
D: 59.75	265.63
E: 0.00	48.89
F: 89.50	53.42
G: 240.75	693.43
H: 0.00	1852.54

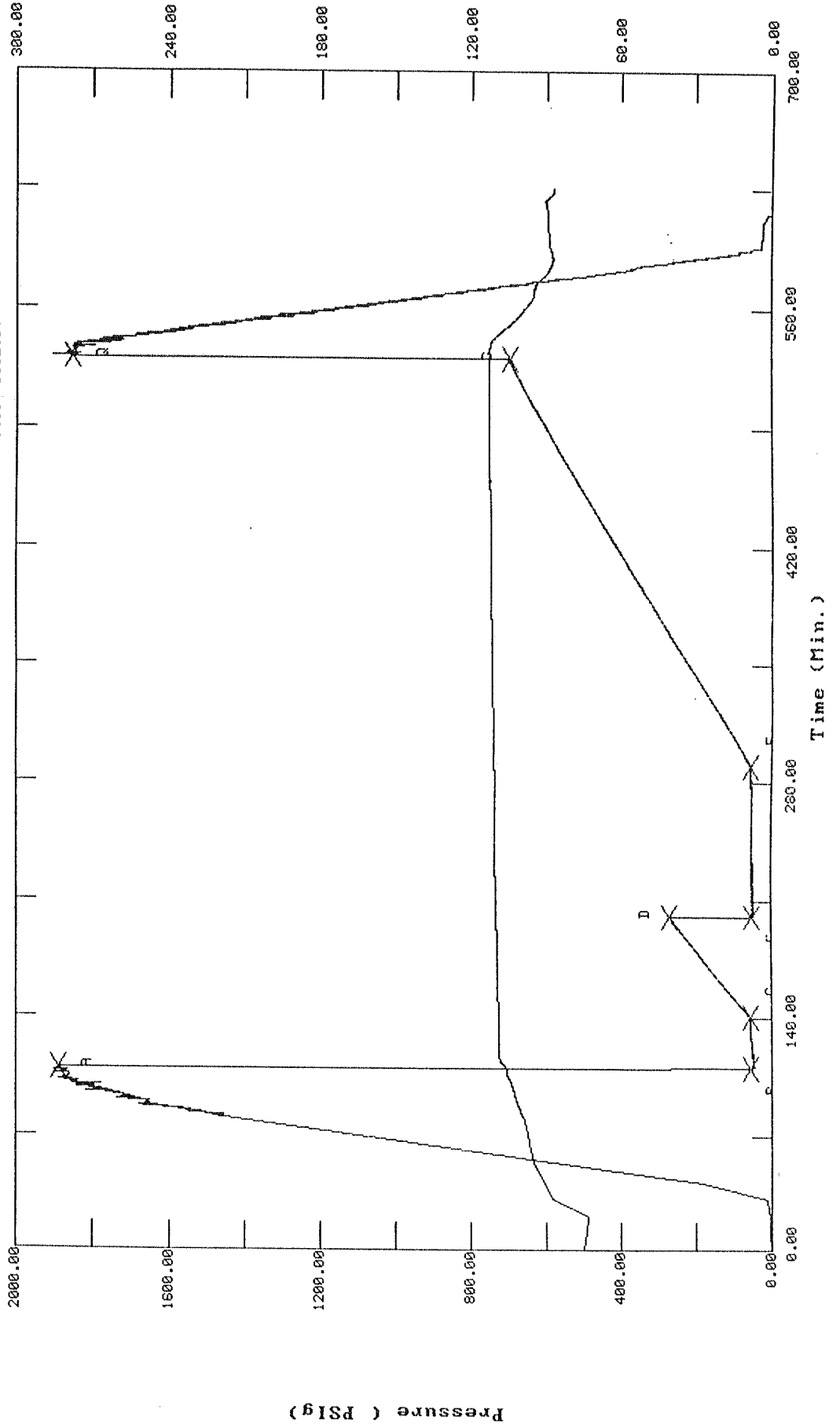
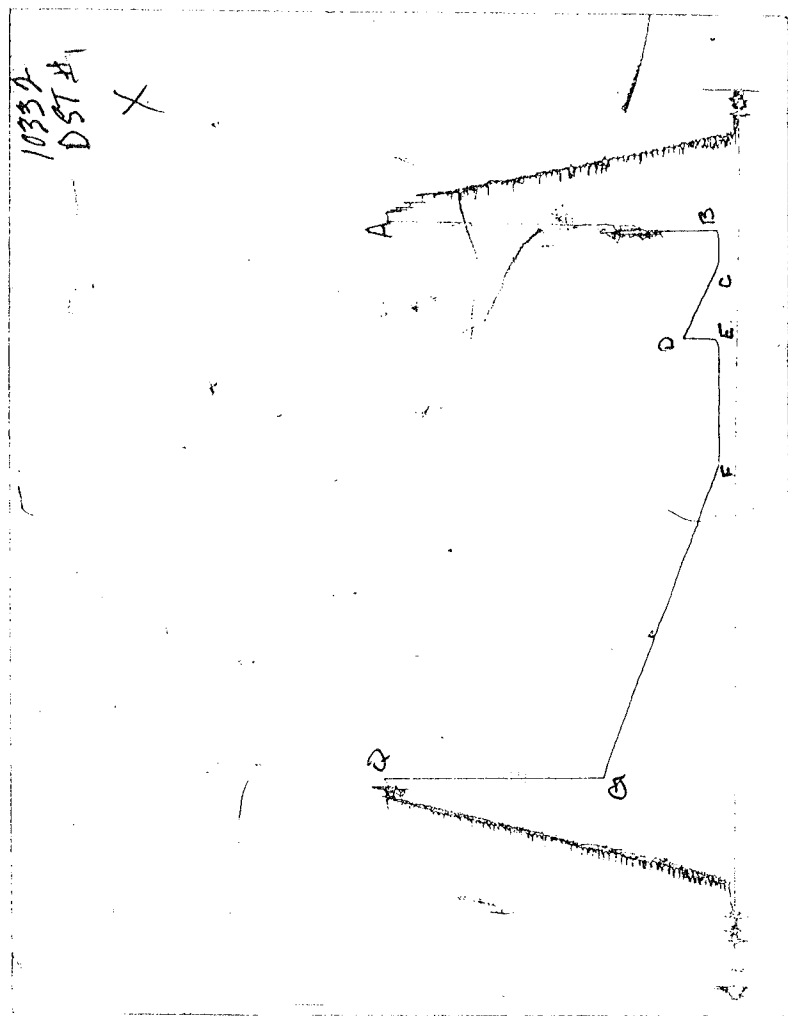


CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey Pet, Corp.  
 WELL NAME: Donovan  
 LOCATION : 10-34s-13w Barber co. KS  
 INTERVAL : 4013.00 To 4050.00 ft

DATE 07/12/98

KB 1702.00 ft TICKET NO: 11827 DST #2  
 GR 1694.00 ft FORMATION: Toronto  
 TD 4050.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	3030			PF Fr. 0601 to 0631 hr
SI 60 Range (Psi )	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 0631 to 0731 hr
SF 90 Clock (hrs)	12hr.	12hr.	elec.			SF Fr. 0731 to 0901 hr
FS 240 Depth (ft )	4047.0	4047.0	4023.0	0.0	0.0	FS Fr. 0901 to 1301 hr

	Field	1	2	3	4	
A. Init Hydro	1916.0	1918.0	1911.0	0.0	0.0	T STARTED 0430 hr
B. First Flow	41.0	39.0	13.0	0.0	0.0	T ON BOTM 0558 hr
B1. Final Flow	30.0	34.0	20.0	0.0	0.0	T OPEN 0601 hr
C. In Shut-in	1367.0	1778.0	1381.0	0.0	0.0	T PULLED 1301 hr
D. Init Flow	41.0	43.0	22.0	0.0	0.0	T OUT 1410 hr
E. Final Flow	41.0	46.0	35.0	0.0	0.0	
F. Fl Shut-in	1458.0	1459.0	1463.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1906.0	1902.0	1939.0	0.0	0.0	Tool Wt. 2100.00 lb
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lb
						Wt Pulled Loose 80000.00 lb
						Initial Str Wt 47000.00 lb
						Unseated Str Wt 47000.00 lb
						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 3993.00 ft

RECOVERY

Tot Fluid 50.00 ft of 0.00 ft in DC and 50.00 ft in DP  
 50.00 ft of Very slight gas cut mud 1%gas 99% mud  
 873.00 ft of Gas in pipe  
 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:  
 Strong blow bottom of bucket in 4 mins.  
 Initial Shut-in:  
 Bled down for 5 mins. No blow back  
 Final Flow:  
 Strong blow bottom of bucket in 30 secs.  
 Final Shut-in:  
 Bled down for 10 mins. No blow back

SAMPLES:  
 SENT TO:

MUD DATA-----

Mud Type	chemical
Weight	9.00 lb
Vis.	47.00 S
W.L.	8.00 in
F.C.	0.32 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	113.00 F
Hole Condition	good
% 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.	Mikeal K, Maune
Contr.	Duke
Rig #	2
Unit #	no
Pump T.	no

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Donovan

LOCATION : 10-34s-13w Barber co. KS

TICKET No. 11827 D.S.T. No. 2 DATE 07/12/98

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 28

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 37

TOTAL TOOL ..... 65

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY ..... 65

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands64 Single 1 Total 3993

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4058

TOTAL DEPTH ..... 4050

TOTAL DRILL PIPE ABOVE K.B. .... 8

REMARKS:

Pulled 80000 on tool jars went off.

P.O. SUB Top of tool @	3987
C.O. SUB	
S.I. TOOL	3992
HMV	3997
JARS	4002
SAFETY JOINT	4004
PACKER	4008
PACKER	4013
DEPTH	
STUBB 1'stubb to	4014
ANCHOR 2'of perfs.to	4016
alpine rec.@4023	
T.C. DEPTH	
29'of perfs.to	4045
ak-1 rec.@4047	4045
BULLNOSE 5'bullnose to	4050
T.D.	

# TEST HISTORY

Tk#11827 DST#2 Donovan #1 Woolsey Pet, Corp.

## Flag Points

t (Min.) P (PSig)

A:	0.00	1911.22
B:	0.00	12.76
C:	27.50	19.55
D:	61.25	1381.12
E:	0.00	22.01
F:	88.25	34.65
G:	242.00	1463.37
H:	0.00	1939.28

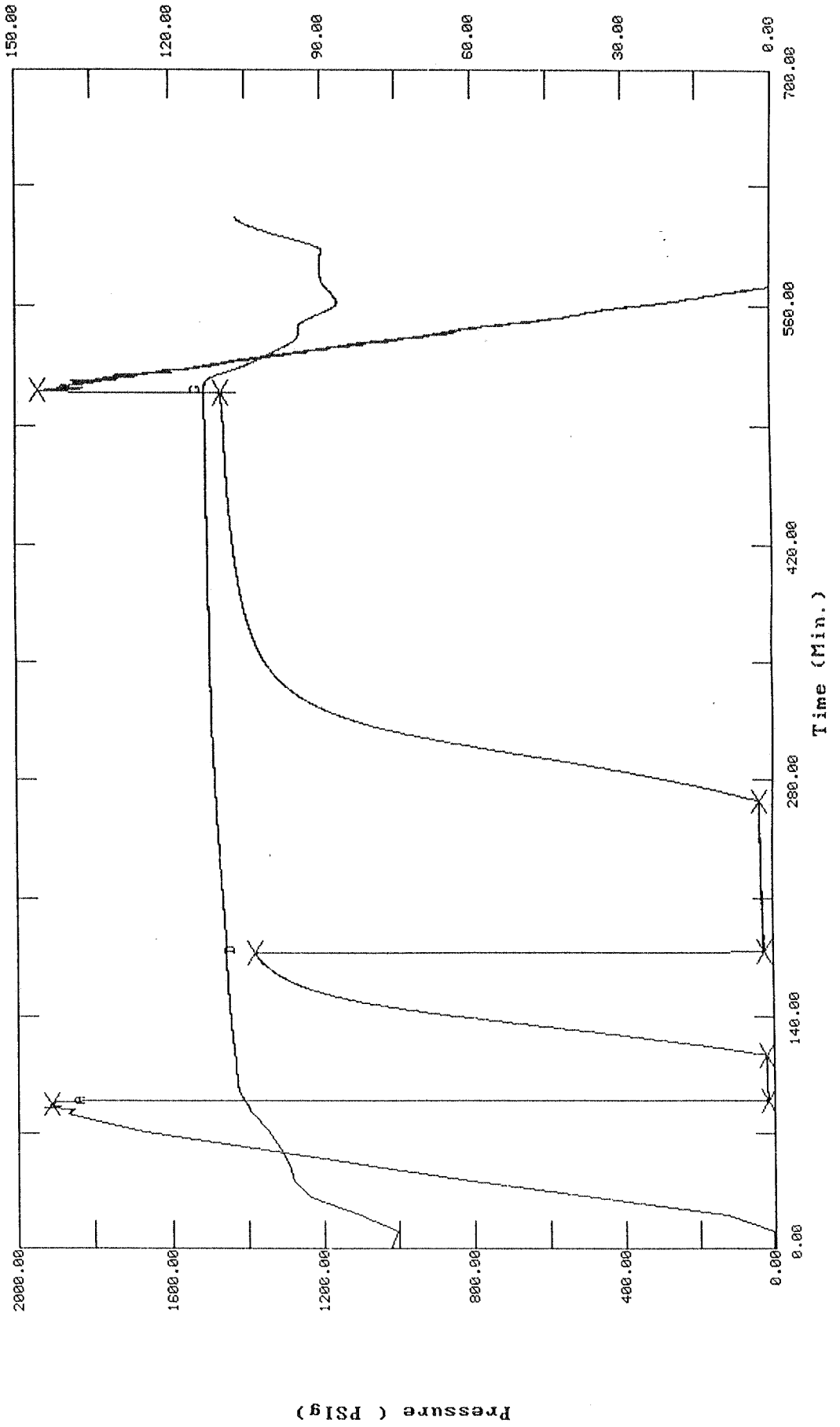
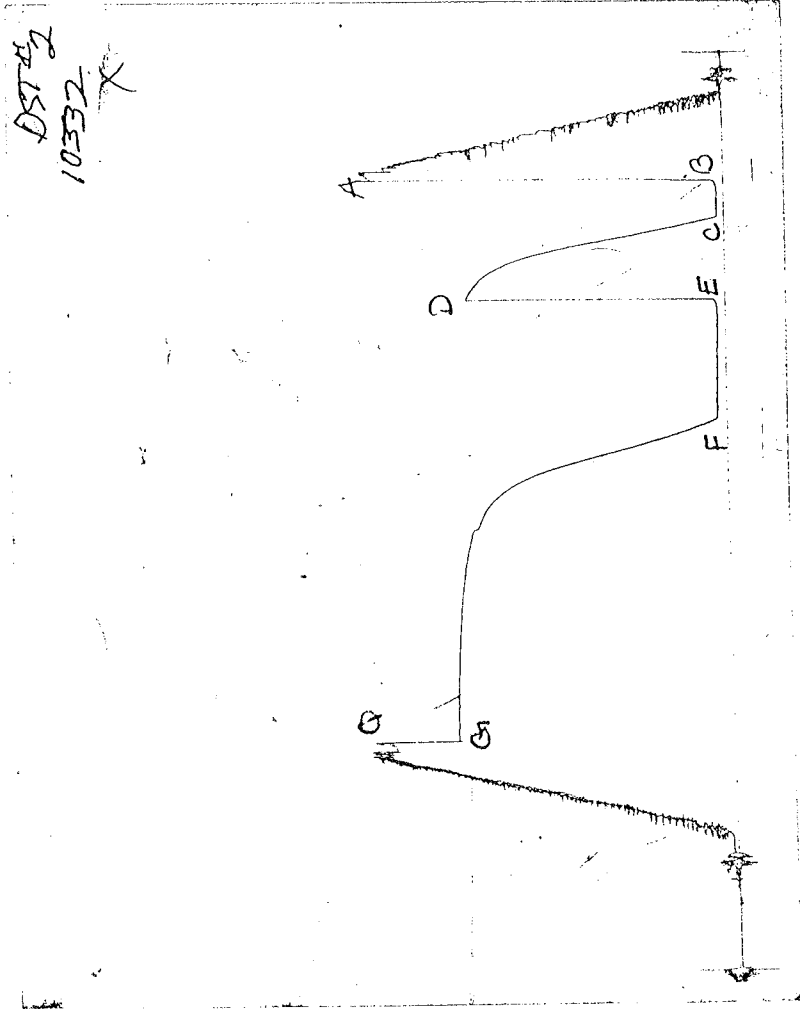


CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey Pet, Corp.

DATE 07/13/199

WELL NAME: Donovan #1

KB 1702.00 ft

TICKET NO: 11828

DST #3

LOCATION : 10-34s-13w Barber co. KS

GR 1694.00 ft

FORMATION: Douglas

INTERVAL : 4042.00 To 4109.00 ft

TD 4109.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	3030			PF Fr. 0214 to 0244 hr
SI .60 Range (Psi )	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 0244 to 0344 hr
SF 30 Clock (hrs)	12hr.	12hr.	elec.			SF Fr. 0344 to 0414 hr
FS 120 Depth (ft )	4106.0	4106.0	4085.0	0.0	0.0	FS Fr. 0414 to 0614 hr

	Field	1	2	3	4	
A. Init Hydro	1937.0	1921.0	1967.0	0.0	0.0	T STARTED 0022 hr
B. First Flow	71.0	59.0	36.0	0.0	0.0	T ON BOTM 0212 hr
B1. Final Flow	61.0	56.0	39.0	0.0	0.0	T OPEN 0214 hr
C. In Shut-in	334.0	344.0	367.0	0.0	0.0	T PULLED 0614 hr
D. Init Flow	51.0	56.0	38.0	0.0	0.0	T OUT 0721 hr
E. Final Flow	51.0	56.0	40.0	0.0	0.0	
F. Fl Shut-in	466.0	484.0	488.0	0.0	0.0	
G. Final Hydro	1876.0	1842.0	1874.0	0.0	0.0	
Inside/Outside	0	0	I			

RECOVERY

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

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

BLOW DESCRIPTION

Initial Flow:  
Weak blow 1/4"-1/2" in bucket died  
off to surface blow

Initial Shut-in:  
No blow back.

Final Flow:  
Dead blow

Final Shut-in:  
No blow back

SAMPLES:  
SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb
Vis.	57.00 S/
W.L.	8.00 in
F.C.	0.32 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	113.00 F
Hole Condition	good
% 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.	Mikeal K. Maune
Contr.	Duke
Rig #	2
Unit #	no
Pump T.	none

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Donovan #1

LOCATION : 10-34s-13w Barber co. KS

TICKET No. 11828 D.S.T. No. 3 DATE 07/13/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 28

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 37

TOTAL TOOL ..... 65

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

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

TOTAL ASSEMBLY ..... 95

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands66 Single Total 4022

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4117

TOTAL DEPTH ..... 4109

TOTAL DRILL PIPE ABOVE K.B. .... 8

REMARKS:

P.O. SUB Top of tool@	4015
C.O. SUB	4016
S.I. TOOL	4021
HMV	4026
JARS	4031
SAFETY JOINT	4033
PACKER	4037
PACKER	4042
DEPTH	
STUBB 1'stubb to	4043
ANCHOR 7'of perfs,to	4050
30 jt.drillpipe to	4080
alpine rec.@4085	
	4080
	4080
T.C.	
DEPTH	
24'of perfs.to	4104
	4104
ak-1 rec.@4106	
BULLNOSE 5'bullnose to	4109
T.D.	

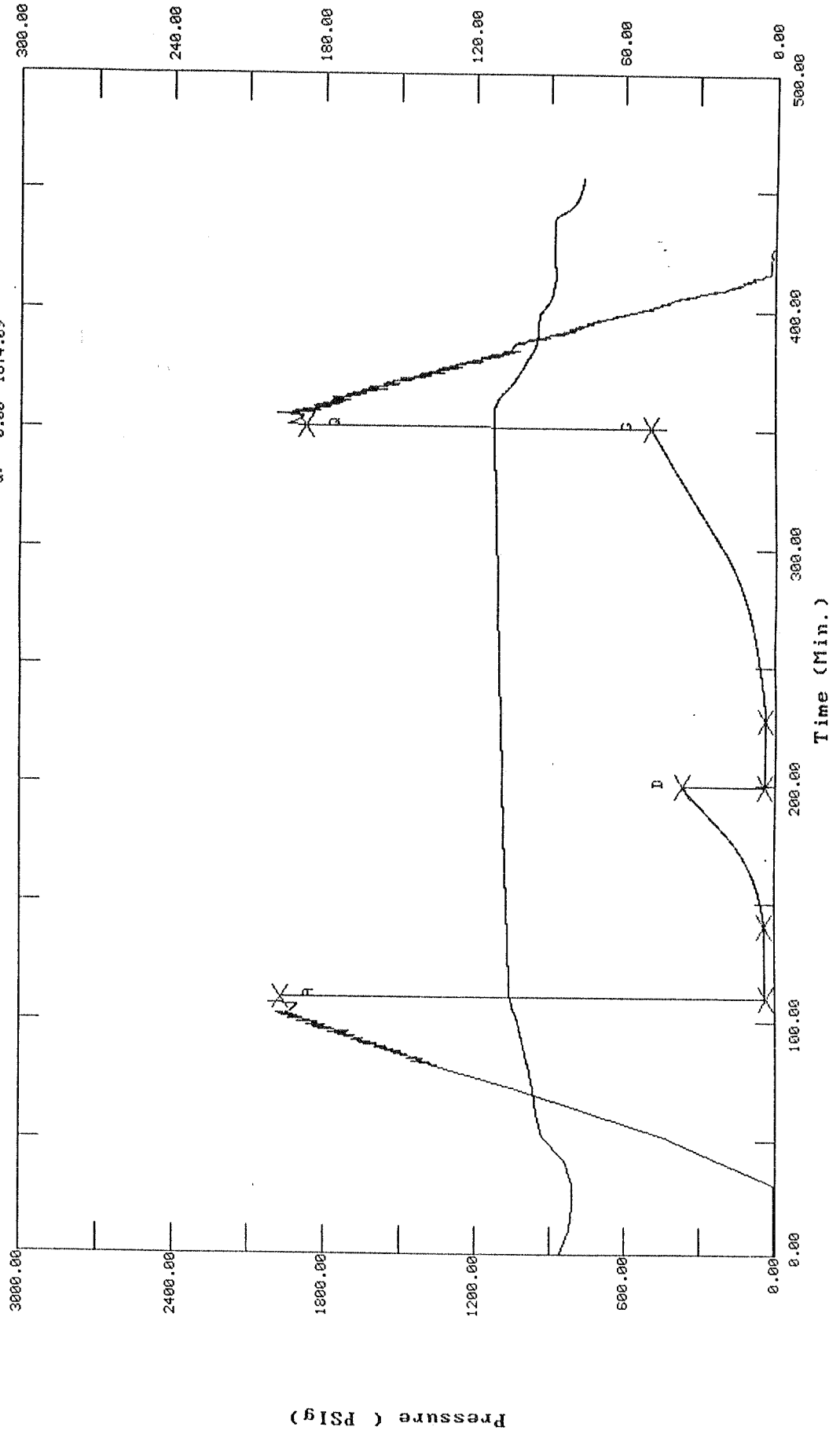
# TEST HISTORY

Tk#11828 DST#3 Donovan #1 Woolsey Pet, Corp.

## Flag Points

t (Min.) P (PSig)

A:	0.00	1966.82
B:	0.00	36.07
C:	38.50	38.94
D:	59.00	366.90
E:	0.00	36.18
F:	27.75	48.16
G:	123.00	488.05
Q:	0.00	1874.09





TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey pet, corp.

DATE 07/13/199

WELL NAME: Donovan #1

KB 1702.00 ft

TICKET NO: 11829 DST #4

LOCATION : 10-34s-13w Barber co. KS

GR 1694.00 ft

FORMATION: Lansing "A"

INTERVAL : 4158.00 To 4175.00 ft

TD 4175.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	3030			PF Fr. 1823 to 1853 hr
SI 60 Range(Psi )	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 1853 to 1953 hr
SF 60 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 1953 to 2053 hr
FS 240 Depth(ft )	4172.0	4172.0	4164.0	0.0	0.0	FS Fr. 2053 to 0053 hr

	Field	1	2	3	4
A. Init Hydro	2048.0	0.0	1993.0	0.0	0.0
B. First Flow	81.0	0.0	45.0	0.0	0.0
B1. Final Flow	152.0	0.0	176.0	0.0	0.0
C. In Shut-in	1468.0	0.0	1473.0	0.0	0.0
D. Init Flow	202.0	0.0	176.0	0.0	0.0
E. Final Flow	375.0	0.0	375.0	0.0	0.0
F. Fl Shut-in	1518.0	0.0	1491.0	0.0	0.0
G. Final Hydro	2038.0	0.0	2021.0	0.0	0.0
Inside/Outside	O		I		

T STARTED 1653 hr  
T ON BOTM 1821 hr  
T OPEN 1823 hr  
T PULLED 0053 hr  
T OUT 0216 hr

TOOL DATA-----

Tool Wt. 2100.00 lbs  
Wt Set On Packer 20000.00 lbs  
Wt Pulled Loose 70000.00 lbs  
Initial Str Wt 50000.00 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 4148.00 ft

RECOVERY

Tot Fluid 620.00 ft of 0.00 ft in DC and 620.00 ft in DP  
60.00 ft of Slight mud cut water  
0.00 ft of 84% water 15% mud trace of oil  
520.00 ft of Salt water  
40.00 ft of Heavy mud cut water 72% water 28% mud  
0.00 ft of  
0.00 ft of  
0.00 ft of  
0.00 ft of

SALINITY 130000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type Chemical  
Weight 8.90 lb/c  
Vis. 52.00 S/L  
W.L. 8.20 in3  
F.C. 0.32 in  
Mud Drop N

BLOW DESCRIPTION

Initial Flow:  
Strong blow bottom of bucket in 10 mins.  
Initial Shut-in:  
Bled down for 3 mins.No blow back  
Final Flow:  
Fair blow bottom of bucket in 15 mins  
Final Shut-in:  
Bled down for 3 mins. no blow back

Amt. of fill 0.00 ft  
Btm. H. Temp. 121.00 F  
Hole Condition good  
% 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. Mikeal K.Maune  
Contr. Duke  
Rig # 2  
Unit # no  
Pump T. no

SAMPLES:

SENT TO:

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Donovan #1

LOCATION : 10-34s-13w Barber co. KS

TICKET No. 11829 D.S.T. No. 4 DATE 07/13/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 28

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 17

TOTAL TOOL ..... 45

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

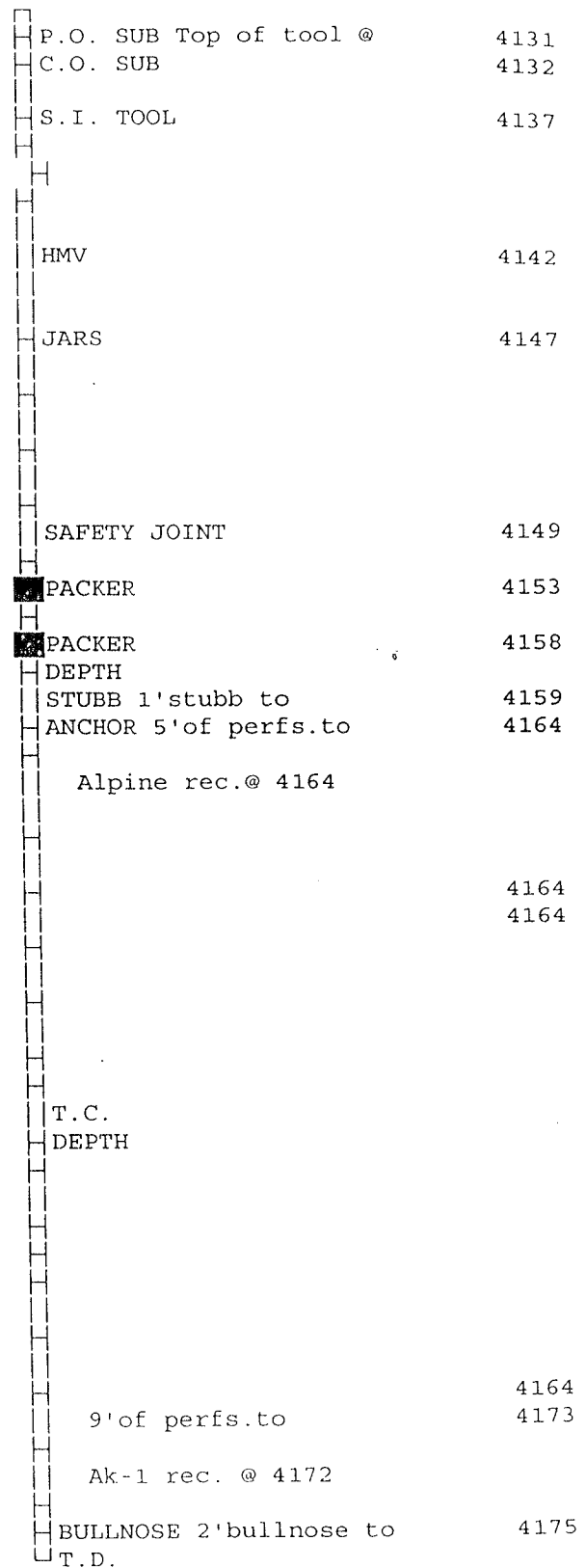
D.P. ABOVE TOOLS.Stands67 Single 1 Total 4148

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4193

TOTAL DEPTH ..... 4175

TOTAL DRILL PIPE ABOVE K.B. .... 18

REMARKS:

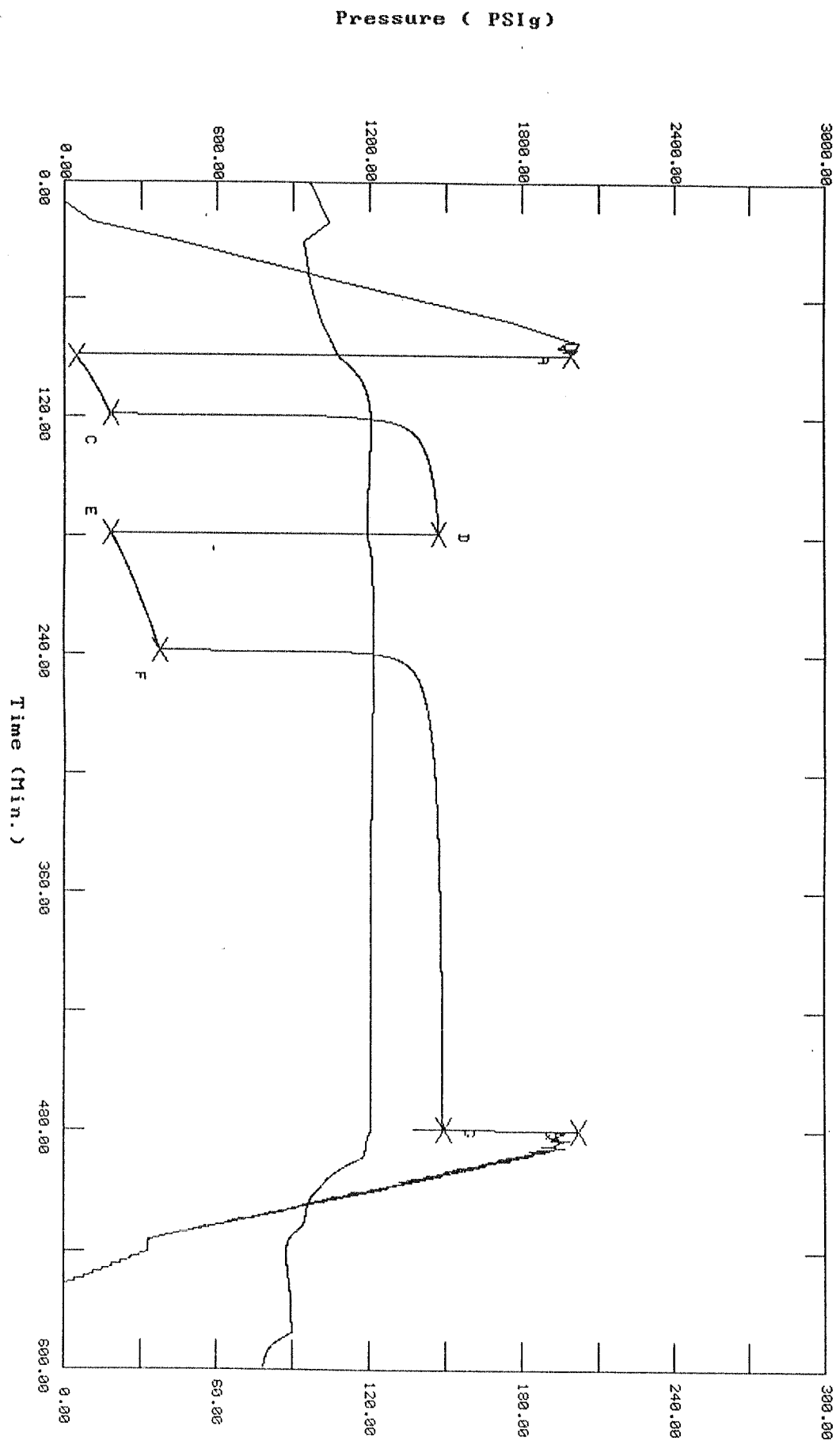


# TEST HISTORY

TK#11829 DST#4 Donovan#1 Woolsey pet, corp.

Flag Points

t (Min.)	Pc (PSIg)
A: 0.00	1992.51
B: 0.00	45.25
C: 28.75	176.18
D: 59.75	1472.57
E: 0.00	175.62
F: 59.75	375.33
G: 241.25	1490.75
H: 0.00	2020.53

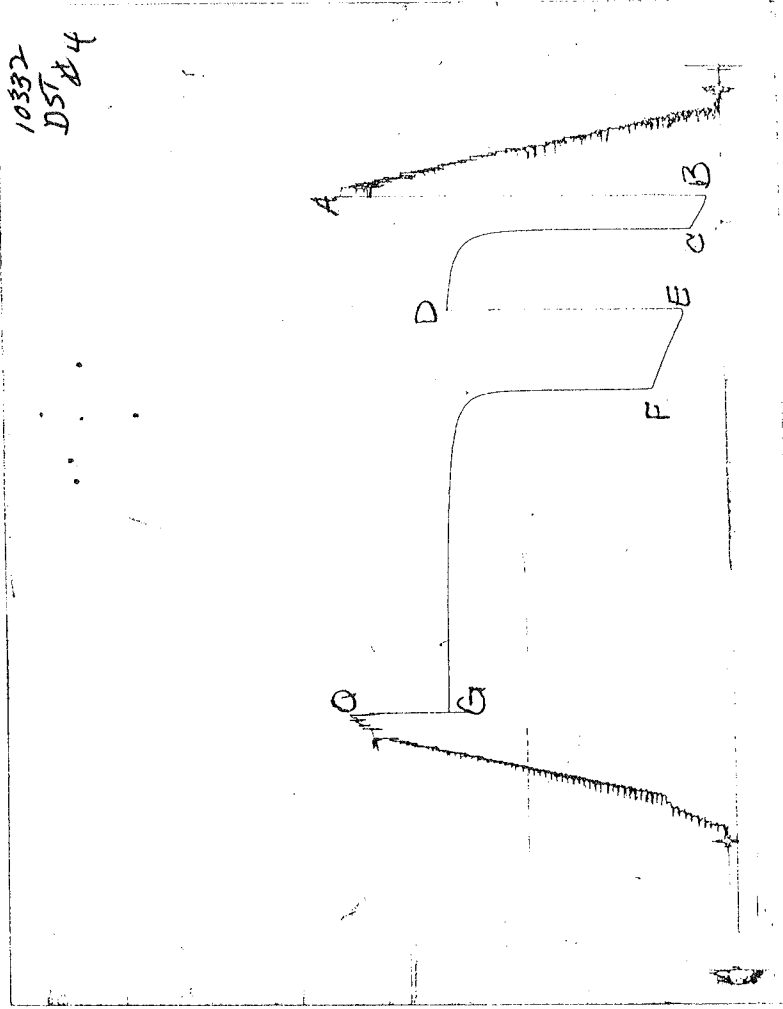


Temperature (DEG F)

Pressure (PSIg)

Time (Min.)

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey pet, corp.  
 WELL NAME: Donovan #1  
 LOCATION : 10-34s-13w Barber co. KS  
 INTERVAL : 4474.00 To 4505.00 ft

DATE 07/15/199  
 KB 1702.00 ft TICKET NO: 11830 DST #5  
 GR 1694.00 ft FORMATION: Lansing "G"  
 TD 4505.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	3030			PF Fr. 0500 to 0530 hr
SI 60 Range (Psi )	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 0530 to 0630 hr
SF 60 Clock (hrs)	12hr.	12hr.	elec.			SF Fr. 0630 to 0730 hr
FS 180 Depth (ft )	4502.0	4502.0	4485.0	0.0	0.0	FS Fr. 0730 to 1030 hr

	Field	1	2	3	4
A. Init Hydro	2227.0	228.0	2278.0	0.0	0.0
B. First Flow	19.0	47.0	51.0	0.0	0.0
B1. Final Flow	60.0	64.0	71.0	0.0	0.0
C. In Shut-in	1653.0	1653.0	1651.0	0.0	0.0
D. Init Flow	61.0	96.0	91.0	0.0	0.0
E. Final Flow	128.0	140.0	152.0	0.0	0.0
F. Fl Shut-in	1675.0	1672.0	1671.0	0.0	0.0
G. Final Hydro	2201.0	2180.0	2138.0	0.0	0.0
Inside/Outside	0	0	I	0.0	0.0

T STARTED 0254 hr  
 T ON BOTM 0458 hr  
 T OPEN 0500 hr  
 T PULLED 1030 hr  
 T OUT 1145 hr

TOOL DATA-----

Tool Wt.	2100.00 lb
Wt Set On Packer	20000.00 lb
Wt Pulled Loose	65000.00 lb
Initial Str Wt	50000.00 lb
Unseated Str Wt	51000.00 lb
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	4453.00 ft

RECOVERY

Tot Fluid 215.00 ft of 0.00 ft in DC and 215.00 ft in DP  
 35.00 ft of Slight gas cut mud 8%gas 92% mud  
 120.00 ft of Mud cut water 56%water 44%mud  
 60.00 ft of Slight mud cut water 99%water 1%mud  
 60.00 ft of gas in pipe  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

SALINITY 152000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:  
 Strong blow bottom of bucket in  
 3 mins.  
 Initial Shut-in:  
 Bled down for 15 mins. no blow back  
 Final Flow:  
 Fair blwo slowly built to bottom  
 of bucket in 15 mins.  
 Final Shut-in:  
 Bled down for 10 mins. no blow back

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb
Vis.	44.00 S/
W.L.	6.80 in
F.C.	0.32 in
Mud Drop N	

Amt. of fill 0.00 ft  
 Btm. H. Temp. 122.00 F  
 Hole Condition Good  
 % 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. Mikeal K. Maune  
 Contr. Duke  
 Rig # 2  
 Unit # none  
 Pump T. no

SAMPLES:  
 SENT TO:

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Donovan #1

LOCATION : 10-34s-13w Barber co. KS

TICKET No. 11830 D.S.T. No. 5 DATE 07/15/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 29

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 31

TOTAL TOOL ..... 60

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.Stands72 Single Total 4453

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4513

TOTAL DEPTH ..... 4505

TOTAL DRILL PIPE ABOVE K.B. .... 8

REMARKS:

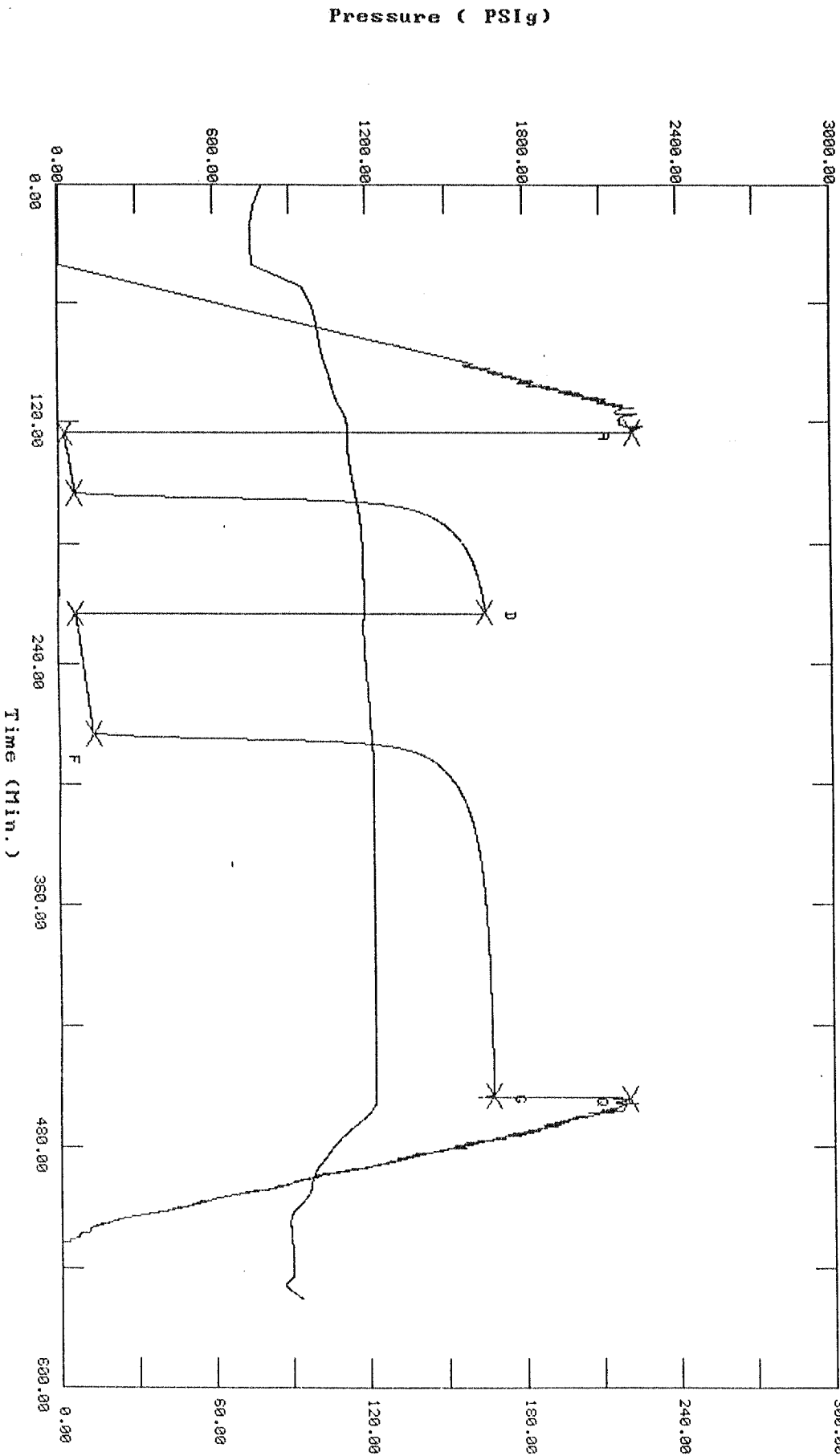
P.O. SUB Top of tool @	4447
C.O. SUB	4448
S.I. TOOL	4453
HMV	4458
JARS	4463
SAFETY JOINT	4465
PACKER	4469
PACKER	4474
DEPTH 4474	
STUBB 1'stubb to	4475
ANCHOR 10'of perfs.to	4485
Alpine rec.@	4485
	4485
	4485
T.C.	
DEPTH	
	4485
15'of perfs.to	4500
ak-1 rec.4502	
BULLNOSE 5'bullnose to	4505
T.D.	

# TEST HISTORY

TK#11830 DST#5 Donovan #1 Woolsey pet, corp.

Flag Points

Flag Points	Time (Min.)	Pressure (PSig)
A	0.00	2226.57
B	0.00	19.37
C	29.25	59.89
D	59.75	1652.69
E	0.00	61.19
F	60.00	128.04
G	180.25	1674.82
H	0.00	2201.16



Temperature (DEG F)

Pressure ( PSig)

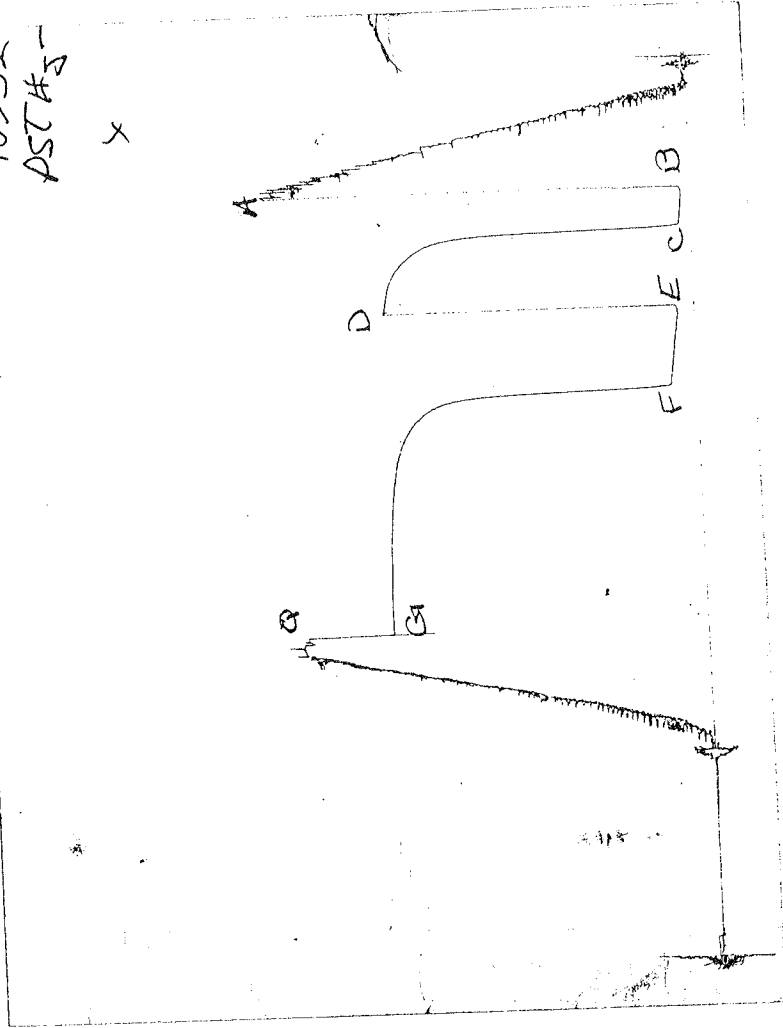
Time (Min.)

CHART PAGE

10332

PST #3-

x



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

TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey pet, corp.

DATE 07/16/199

WELL NAME: Donovan #1

KB 1702.00 ft TICKET NO: 11831 DST #6

LOCATION : 10-34s-13w

GR 1694.00 ft FORMATION: Hertha

INTERVAL : 4624.00 To 4645.00 ft

TD 4645.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	3030			PF Fr. 0808 to 0838 hr
SI 60 Range (Psi )	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 0838 to 0938 hr
SF 60 Clock (hrs)	12hr.	12hr.	elec.			SF Fr. 0938 to 1038 hr
FS 240 Depth (ft )	4642.0	4642.0	4631.0	0.0	0.0	FS Fr. 1038 to 1438 hr

	Field	1	2	3	4	
A. Init Hydro	2378.0	2384.0	2304.0	0.0	0.0	T STARTED 0630 hr
B. First Flow	122.0	124.0	89.0	0.0	0.0	T ON BOTM 0806 hr
B1. Final Flow	152.0	150.0	153.0	0.0	0.0	T OPEN 0808 hr
C. In Shut-in	1529.0	1534.0	1540.0	0.0	0.0	T PULLED 1438 hr
D. Init Flow	182.0	186.0	167.0	0.0	0.0	T OUT 1645 hr
E. Final Flow	304.0	300.0	319.0	0.0	0.0	
F. Fl Shut-in	1600.0	1612.0	1611.0	0.0	0.0	
G. Final Hydro	2368.0	2370.0	2282.0	0.0	0.0	
Inside/Outside	0	0	I			

TOOL DATA-----

Tool Wt.	2100.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	80000.00 lbs
Initial Str Wt	50000.00 lbs
Unseated Str Wt	53000.00 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	4596.00 ft

RECOVERY

Tot Fluid 702.00 ft of 0.00 ft in DC and 702.00 ft in DP  
 522.00 ft of FREE OIL  
 120.00 ft of Heavy gas cut oily mud 30%gas 10%oil 40%mud  
 60.00 ft of Gas cut oily mud 28%gas 38%oil 34% mud  
 4607.00 ft of Gas in pipe  
 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 36.00

BLOW DESCRIPTION

Initial Flow:  
 Strong blow bottom of bucket in  
 30 secs. Gas to surface in 5 mins.  
 Initial Shut-in:  
 Bled down for 20 mins. bottom of  
 bucket in 5 mins  
 Final Flow:  
 Strong blow Gauge gas  
 Final Shut-in:  
 Bled down for 60 mins. bottom of  
 bucket in 4 1/2 mins.

SAMPLES: Caraway Analytical  
 SENT TO: Liberal Kansas

Test Successful: Y

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/
Vis.	44.00 S/L
W.L.	7.20 in3
F.C.	0.32 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	122.00 F
Hole Condition	good
% 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.	Mikeal K. Maune
Contr.	Duke
Rig #	2
Unit #	no
Pump T.	none

GAS RECOVERY  
-----

COMPANY: Woolsey pet, corp.

DATE: 07/16/199

WELL NAME: Donovan #1

KB Elev: 1702.00 ft TICKET #11831 DST #6

WELL LOCATION: 10-34s-13w

GR Elev: 1694.00 ft FORMATION: Hertha

INTERVAL Fr.: 4624.00 To 4645.00 T.D.: 4645.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Adj.choke

\*\*\*\* GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.38	14	0	95000.0

\*\*\*\* GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
15	0.38	16	0	102000.0
20	0.38	16	0	104000.0
25	0.38	16	0	100000.0
30	0.38	14	0	97000.0

\*\*\*\* GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.38	4	0	64000.0
10	0.38	8	0	75000.0
15	0.38	8	0	74000.0
20	0.38	8	0	74000.0
25	0.38	6	0	67000.0
30	0.38	6	0	67000.0
35	0.38	4	0	64000.0
40	0.25	2	0	24000.0
45	0.25	5	0	28000.0
50	0.25	4	0	27000.0
55	0.25	4	0	27000.0
60	0.25	4	0	28000.0

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Donovan #1  
 LOCATION : 10-34s-13w  
 TICKET No. 11831 D.S.T. No. 6 DATE 07/16/199  
 TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 28  
 INTERVAL TOOL .....  
 BOTTOM PACKERS AND ANCHOR ..... 21  
 TOTAL TOOL ..... 49  
 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.Stands74 Single 1 Total 4596  
 TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4656  
 TOTAL DEPTH ..... 4645  
 TOTAL DRILL PIPE ABOVE K.B. .... 11  
 REMARKS:

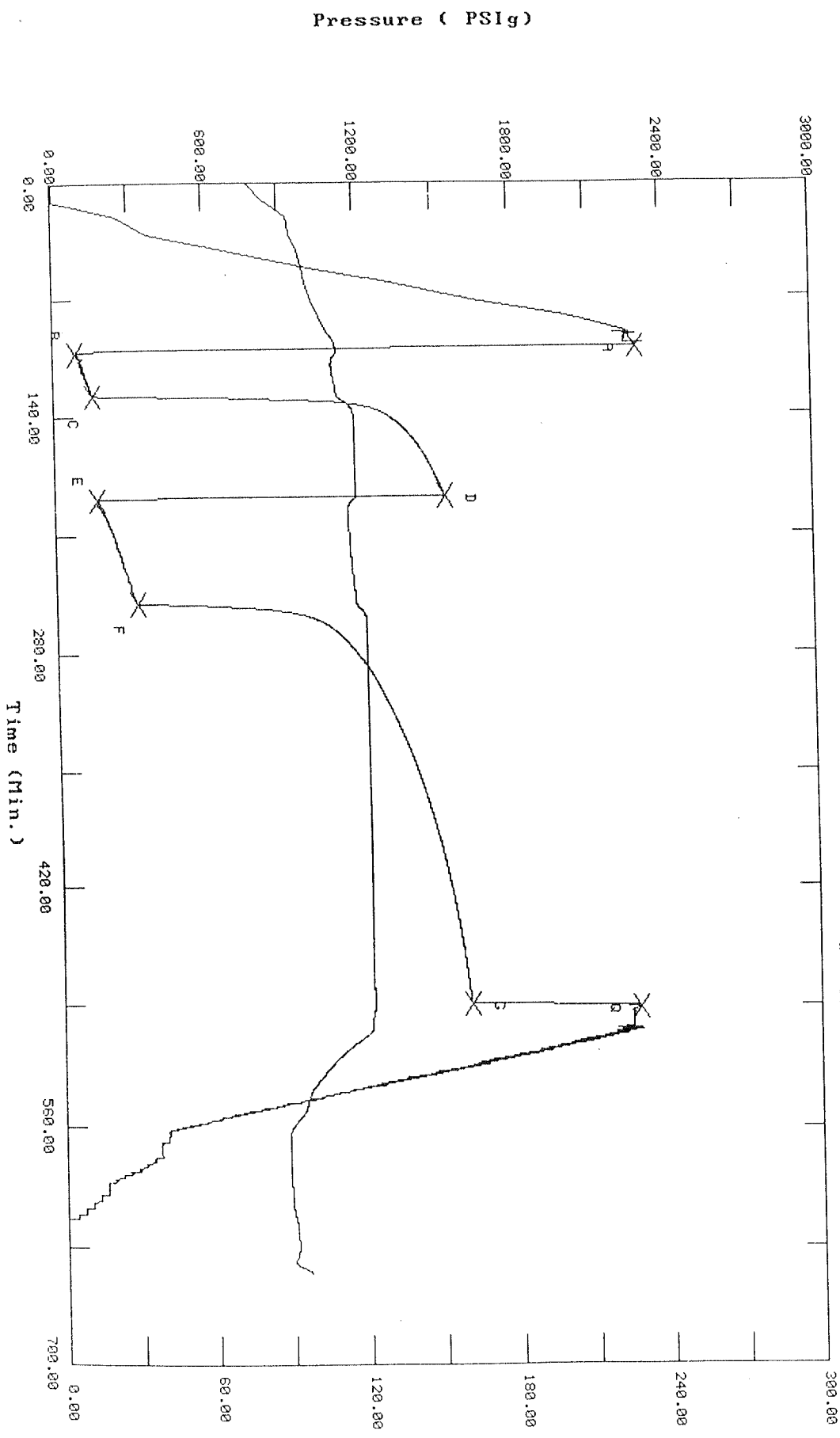
P.O. SUB	
C.O. SUB	4598
S.I. TOOL	4603
HMV	4608
JARS	4613
SAFETY JOINT	4615
PACKER	4619
PACKER	4624
DEPTH 4624	
STUBB 1'stubb to	4625
ANCHOR 6'of perfs.to	4631
Alpine rec.@4631	
T.C. DEPTH	
	4631
	4631
12'of perfs.to	4643
ak-1 rec.@4642	
BULLNOSE 2'bullnose to	4645
T.D.	

# TEST HISTORY

TK#11831 DST#6 Donovan #1 Woolsey pet, corp

Flag Points

t (Min.)	P (PSig)
R: 0.00	2303.90
B: 0.00	88.64
C: 25.50	152.97
D: 60.25	1540.20
E: 0.00	167.11
F: 60.50	318.86
G: 239.75	1611.38
Q: 0.00	2282.39



Pressure ( PSig )

Temperature ( DEG F )

Time (Min.)

CALCULATED RECOVERY ANALYSIS

DST 6

TICKET 11831

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
DRILL 1	522		0	100	522		0		0
PIPE 2	120	30	36	10	12		0	40	48
3	60	28	16.8	38	22.8		0	34	20.4
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			0		0		0		0
COLLARS 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	702		52.8		556.8		0		68.4

			HRS OPEN		BBL/DAY
BBL OIL =	7.917696	*	1.5	=	126.6831
BBL WATER =	0	*		=	0
BBL MUD =	0.972648				
BBL GAS =	0.750816				

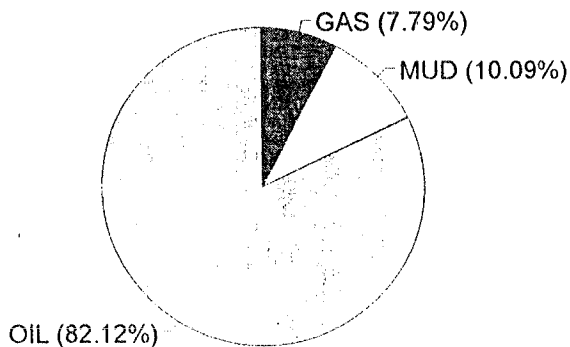
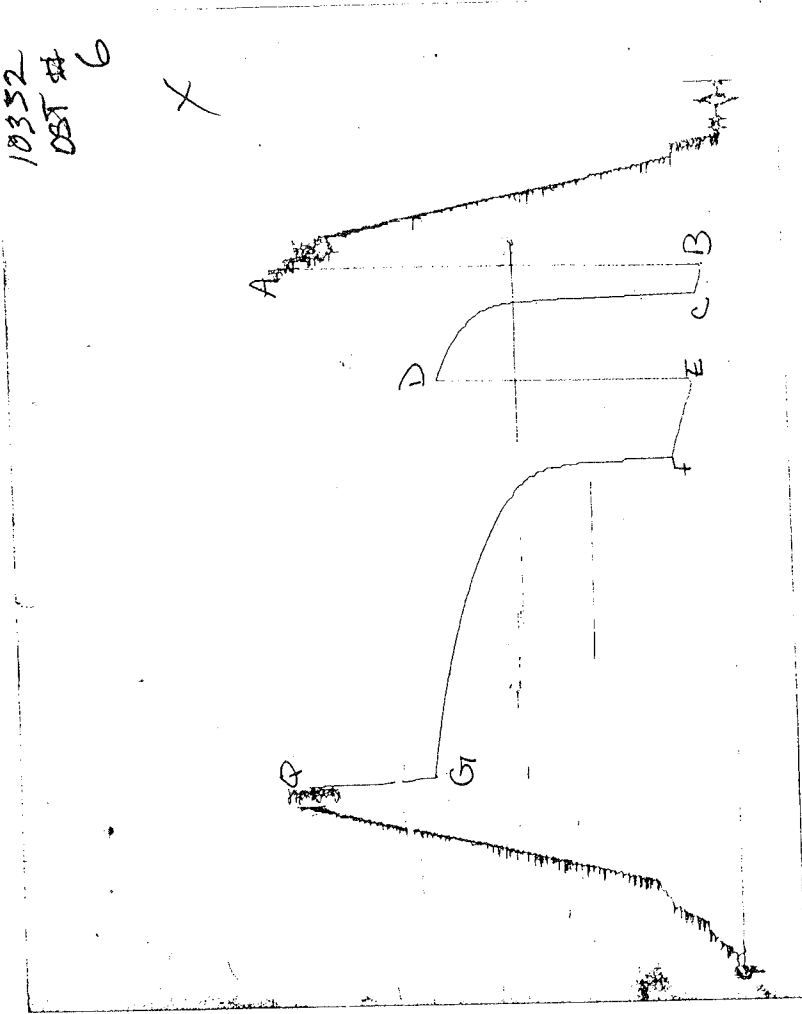


CHART PAGE

10352  
DST #  
6

X



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

TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey Petroleum Corp  
 WELL NAME: Donovan  
 LOCATION : 10-34s-13w Barber co. KS  
 INTERVAL : 4774.00 To 4830.00 ft

DATE 07/17/199

KB 1702.00 ft TICKET NO: 11832 DST #7  
 GR 1694.00 ft FORMATION: Miss.  
 TD 4830.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10332	10332	3030			PF Fr. 1531 to 1601 hr
SI 60	Range(Psi )	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 1601 to 1701 hr
SF 60	Clock(hrs)	12hr.	12hr.	elec			SF Fr. 1701 to 1801 hr
FS 240	Depth(ft )	4827.0	4827.0	4816.0	0.0	0.0	FS Fr. 1801 to 2201 hr

	Field	1	2	3	4	
A. Init Hydro	2388.0	2384.0	2384.0	0.0	0.0	T STARTED 1319 hr
B. First Flow	30.0	44.0	43.0	0.0	0.0	T ON BOTM 1528 hr
B1. Final Flow	20.0	36.0	39.0	0.0	0.0	T OPEN 1531 hr
C. In Shut-in	202.0	203.0	225.0	0.0	0.0	T PULLED 2201 hr
D. Init Flow	30.0	37.0	38.0	0.0	0.0	T OUT 2345 hr
E. Final Flow	41.0	38.0	42.0	0.0	0.0	
F. Fl Shut-in	608.0	617.0	633.0	0.0	0.0	
G. Final Hydro	2378.0	2374.0	2370.0	0.0	0.0	
Inside/Outside	0	0	I			

TOOL DATA-----  
 Tool Wt. 2100.00 lbs  
 Wt Set On Packer 20000.00 lbs  
 Wt Pulled Loose 70000.00 lbs  
 Initial Str Wt 51000.00 lbs  
 Unseated Str Wt 51000.00 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 4762.00 ft

RECOVERY

Tot Fluid 50.00 ft of 0.00 ft in DC and 50.00 ft in DP  
 50.00 ft of drilling mud  
 0.00 ft of with trace of oil  
 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 blow built to 4" in water  
 Initial Shut-in:  
 Bled down for 3 mins, no blow back  
 Final Flow:  
 Fair blow built to 5" in water  
 Final Shut-in:  
 Bled down for 1 min. no blow back

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.00 lb/  
 Vis. 49.00 S/L  
 W.L. 6.80 in3  
 F.C. 0.32 in  
 Mud Drop N  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 124.00 F  
 Hole Condition good  
 % 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. Wes Hensen  
 Contr. Duke  
 Rig # 2  
 Unit # none  
 Pump T. no

SAMPLES:  
 SENT TO:

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

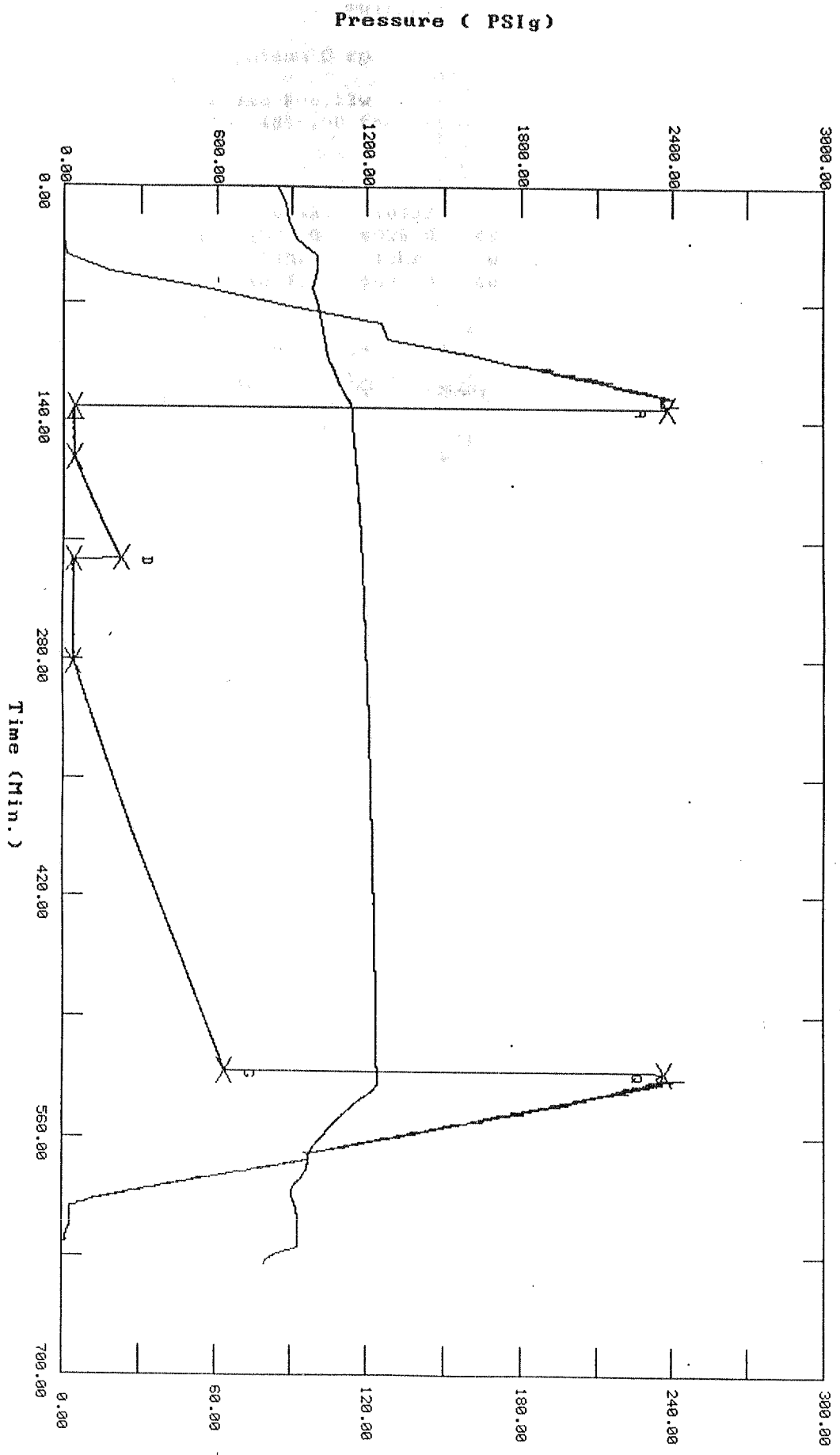
WELL NAME: Donovan  
 LOCATION : 10-34s-13w Barber co. KS  
 TICKET No. 11832 D.S.T. No. 7 DATE 07/17/199  
 TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 28  
 INTERVAL TOOL .....  
 BOTTOM PACKERS AND ANCHOR ..... 26  
 TOTAL TOOL ..... 54  
 DRILL COLLAR ANCHOR IN INTERVAL .....  
 O.C. ANCHOR STND.Stands Single Total  
 O.P. ANCHOR STND.Stands Single 1 Total 30  
 TOTAL ASSEMBLY ..... 84  
 O.C. ABOVE TOOLS.Stands Single Total  
 O.P. ABOVE TOOLS.Stands 78 Single Total 4762  
 TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4846  
 TOTAL DEPTH ..... 4830  
 TOTAL DRILL PIPE ABOVE K.B. .... 16  
 REMARKS:

P.O. SUB	4747
C.O. SUB	4748
S.I. TOOL	4753
HMV	4758
JARS	4763
SAFETY JOINT	4765
PACKER	4769
PACKER	4774
DEPTH 4774	
STUBB 1' stubb to	4775
ANCHOR 4' of perms.to	4779
30'drillpipe to	4809
	4809
	4809
T.C. DEPTH	
7'of perms.to Alpine rec.4816	4816
	4816
12'of perms.to	4828
ak-1 rec.@ 4827	
BULLNOSE 2'bullnose to T.D.	4830

**TEST HISTORY**  
 TK#11832 DST#7 Donovan #1 Woolsey pet, corp

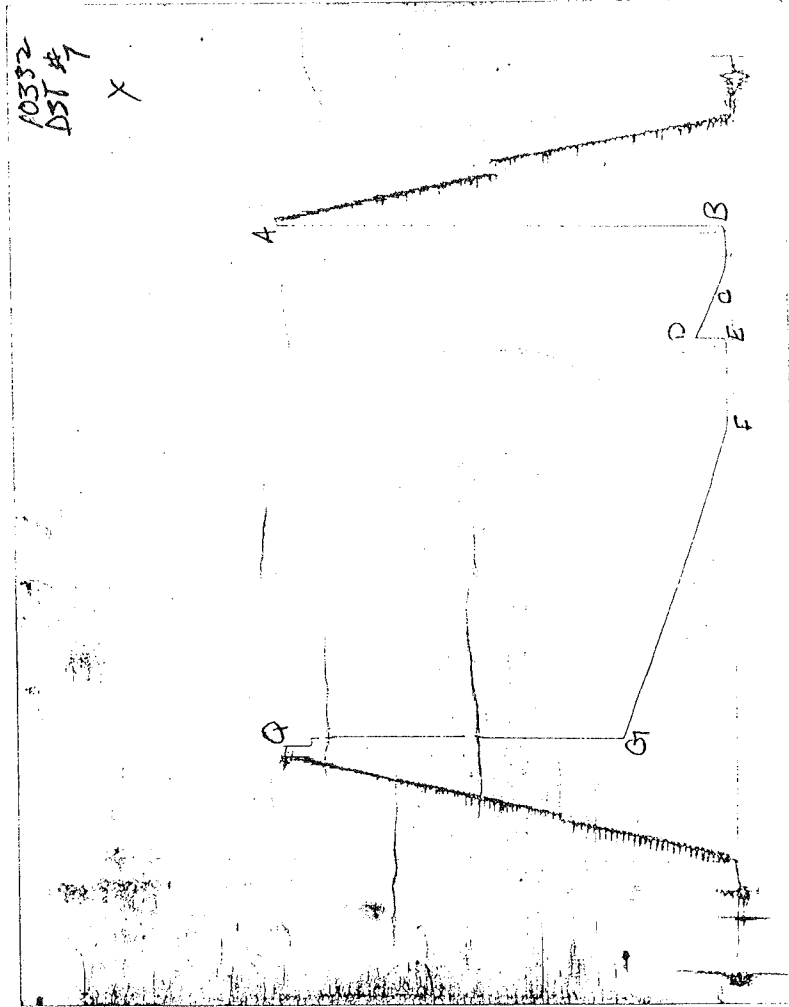
Flag Points

t(Min.)	Pk	PSIg
A: 0.00	2384.33	
B: 0.00	42.64	
C: 36.00	38.82	
D: 59.25	225.49	
E: 0.00	37.98	
F: 60.25	42.16	
G: 240.00	633.41	
Q: 0.00	2370.41	



Temperature (DEG F)

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey Petroleum Corp      DATE 07/18/199  
 WELL NAME: Donovan      KB 1702.00 ft      TICKET NO: 11833      DST #8  
 LOCATION : Sec.10 Twp.34s Rge.13w      GR 1694.00 ft      FORMATION: Miss."B"  
 INTERVAL : 4844.00 To 4890.00 ft      TD 4890.00 ft      TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	3030			PF Fr. 1233 to 1303 hr
SI 60 Range(Psi )	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 1303 to 1403 hr
SF 60 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 1403 to 1503 hr
FS 240 Depth(ft )	4887.0	4887.0	4859.0	0.0	0.0	FS Fr. 1503 to 1903 hr

	Field	1	2	3	4	
A. Init Hydro	2418.0	2428.0	2402.0	0.0	0.0	T STARTED 1012 hr
B. First Flow	51.0	65.0	30.0	0.0	0.0	T ON BOTM 1230 hr
B1. Final Flow	51.0	65.0	43.0	0.0	0.0	T OPEN 1233 hr
C. In Shut-in	608.0	628.0	632.0	0.0	0.0	T PULLED 1903 hr
D. Init Flow	71.0	71.0	33.0	0.0	0.0	T OUT 2030 hr
E. Final Flow	71.0	71.0	52.0	0.0	0.0	
F. Fl Shut-in	1784.0	1810.0	1793.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2398.0	2351.0	2358.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 65000.00 lbs
						Initial Str Wt 51000.00 lbs
						Unseated Str Wt 53000.00 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 4823.00 ft

RECOVERY

Tot Fluid 56.00 ft of 0.00 ft in DC and 56.00 ft in DP  
 56.00 ft of gas cut mud 20%gas 80%mud  
 0.00 ft of Trace of oil  
 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:  
 Fair blow - bottom of bucket in 5 minutes

Initial Shutin:  
 Bled down for 10 minutes - no blow back

Final Flow:  
 Strong blow bottom of bucket in 30 seconds

Final Shutin:  
 Bled down for 15 min - no blow back

SAMPLES:  
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/
Vis.	46.00 S/L
W.L.	7.20 in3
F.C.	0.32 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	124.00 F
Hole Condition	good
% 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.	Wes Hansen
Contr.	Duke
Rig #	2
Unit #	none
Pump T.	no

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Donovan

LOCATION : Sec.10 Twp.34s Rge.13w

TICKET No. 11833 D.S.T. No. 8 DATE 07/18/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 28

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 46

TOTAL TOOL ..... 74

DRILL COLLAR ANCHOR IN INTERVAL .....

O.C. ANCHOR STND.Stands Single Total

O.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY .....

O.C. ABOVE TOOLS.Stands Single Total

O.P. ABOVE TOOLS.Stands79 Single Total 4823

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4897

TOTAL DEPTH ..... 4890

TOTAL DRILL PIPE ABOVE K.B. .... 7

REMARKS:

P.O. SUB top of tool @	4817
C.O. SUB	4818
S.I. TOOL	4823
HMV	4828
JARS	4833
SAFETY JOINT	4835
PACKER	4839
PACKER	4844
DEPTH 4844	
STUBB 1'stubb to	4845
ANCHOR 18'of perms. to	4863
Alpine rec.@ 4859	
	4863
	4863
	4885
22'of perms. to	4885
ak-1 rec.@ 4887	
BULLNOSE 5'bullnose to	4890
T.D.	

# TEST HISTORY

Tk#11833 DST#8 Donovan #1 Woolsey pet.corp.

## Flag Points

t (Min.) PC (PSig)

A: 0.00 2401.91  
 B: 0.00 30.45  
 C: 29.00 42.66  
 D: 59.00 632.34  
 E: 0.00 33.19  
 F: 60.25 51.93  
 G: 239.50 1792.90  
 H: 0.00 2357.57

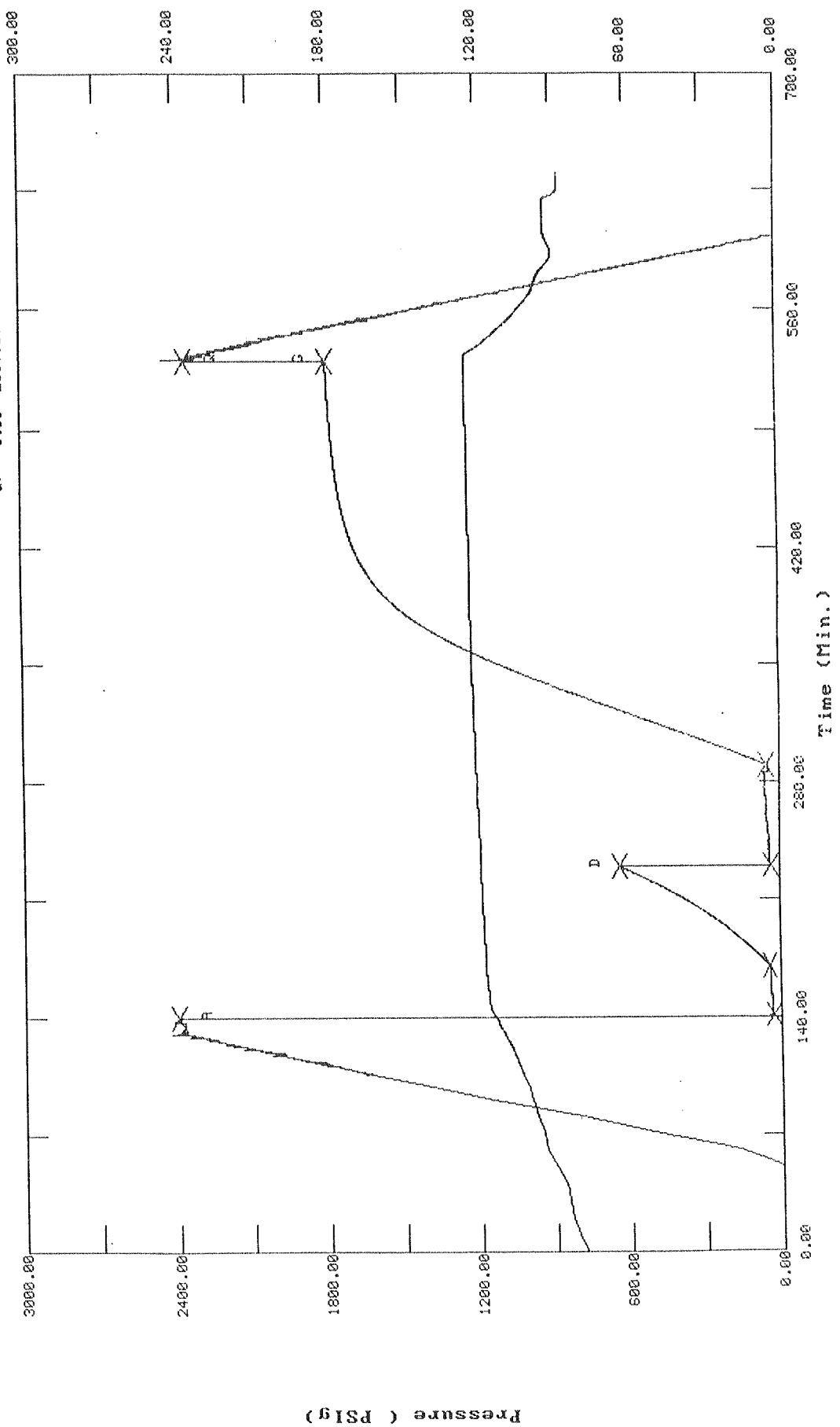
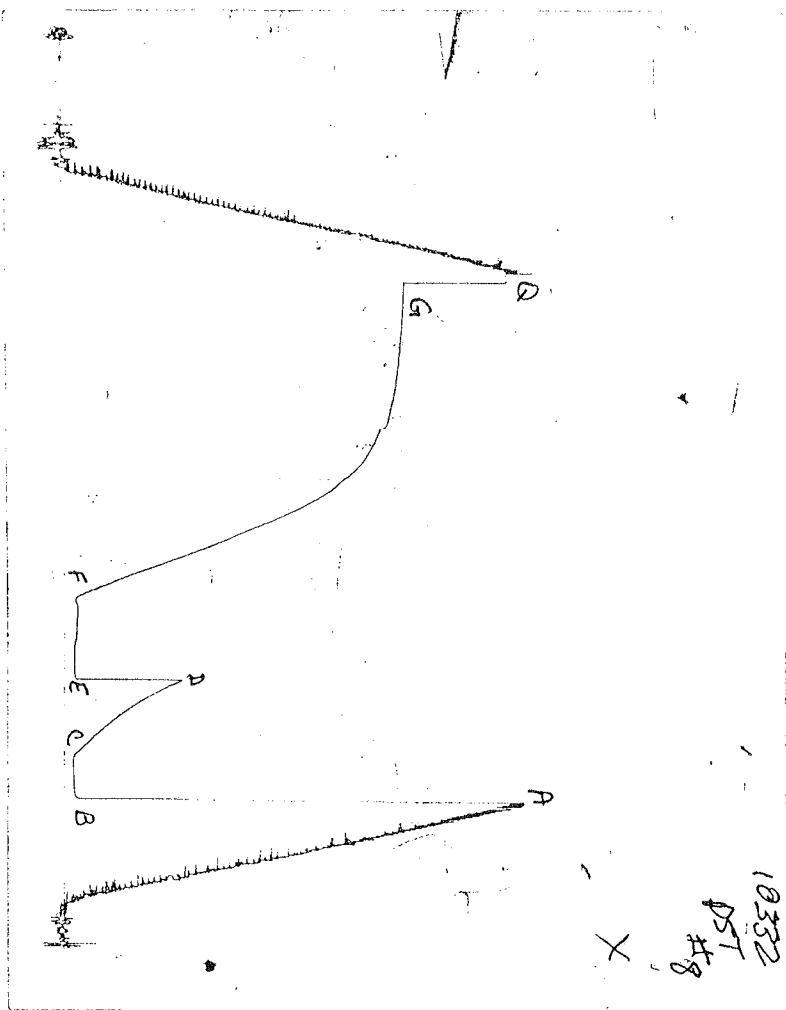


CHART PAGE



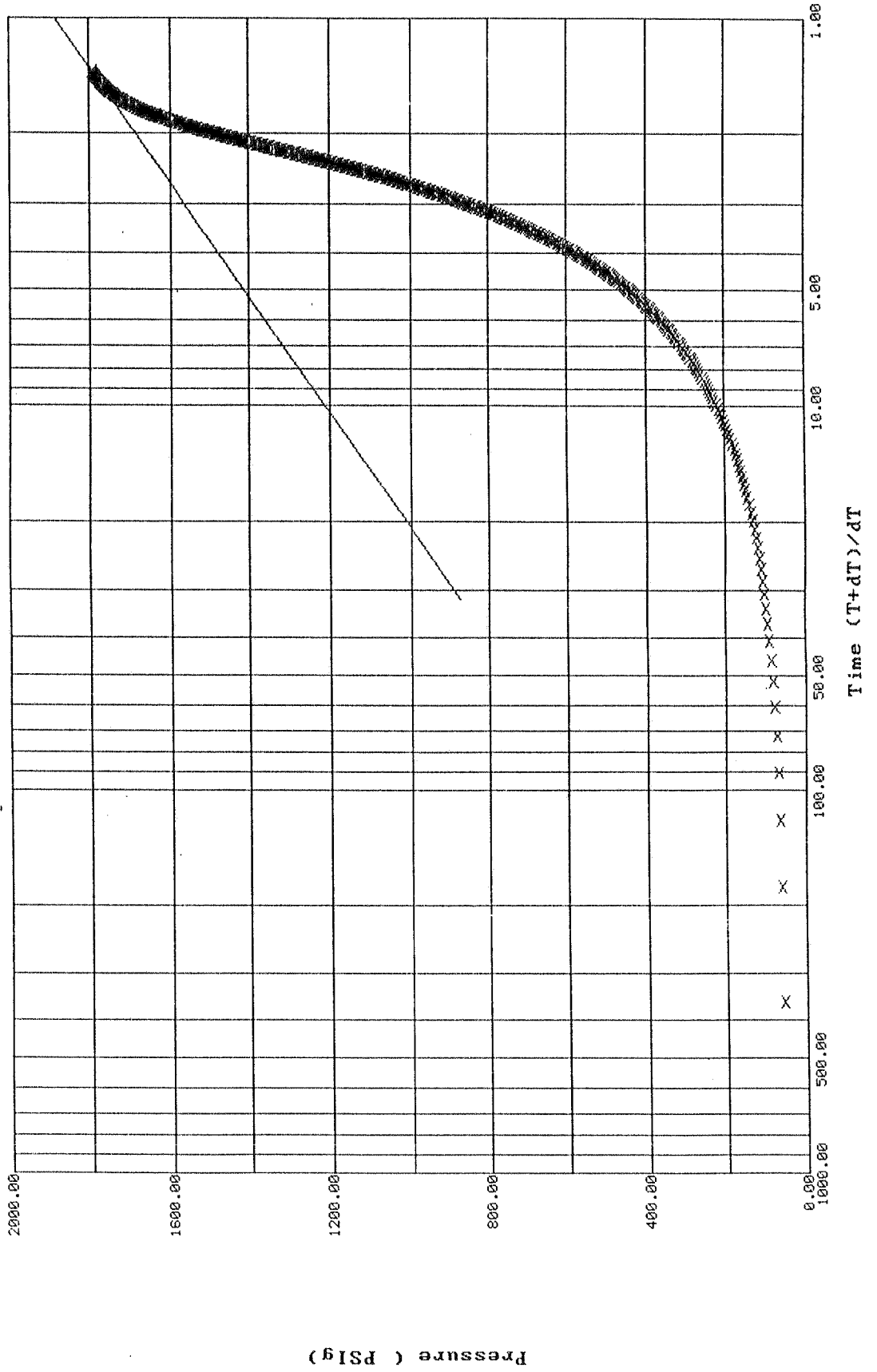
This is a photocopy of the actual AK-1 recorder chart

# Horner Plot: Shut-in #2

TK#11833 DST#8 Donovan #1 Woolsey pet, corp.

Slope: 673.5880 PSig/cycle

Ext. Pressure: 1885.5850 PSig



TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey pet, corp.

DATE 07/20/199

WELL NAME: Donovan #1

KB 1702.00 ft

TICKET NO: 11834

DST #9

LOCATION : 10-34s-13w Barber co. KS

GR 1694.00 ft

FORMATION: Misener

INTERVAL : 5092.00 To 5140.00 ft

TD 5140.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	3030			PF Fr. 1002 to 1032 hr
SI 60 Range(Psi )	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 1032 to 1132 hr
SF 45 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 1132 to 1217 hr
FS 180 Depth(ft )	5137.0	5137.0	5108.0	0.0	0.0	FS Fr. 1217 to 1517 hr

	Field	1	2	3	4	
A. Init Hydro	2508.0	2505.0	2498.0	0.0	0.0	T STARTED 0702 hr
B. First Flow	51.0	61.0	27.0	0.0	0.0	T ON BOTM 0959 hr
B1. Final Flow	51.0	57.0	28.0	0.0	0.0	T OPEN 1002 hr
C. In Shut-in	81.0	89.0	66.0	0.0	0.0	T PULLED 1517 hr
D. Init Flow	41.0	52.0	23.0	0.0	0.0	T OUT 1700 hr
E. Final Flow	51.0	56.0	24.0	0.0	0.0	
F. Fl Shut-in	91.0	89.0	86.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2428.0	2422.0	2400.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0				Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 65000.00 lbs
						Initial Str Wt 54000.00 lbs
						Unseated Str Wt 55000.00 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 5097.00 ft

RECOVERY

Tot Fluid 5.00 ft of 0.00 ft in DC and 5.00 ft in DP  
 5.00 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 1/8" in water  
 Initial Shut-in:  
 Bled down for  
 Final Flow:  
 Dead blow  
 Final Shut-in:  
 No blow back  
 Final Shut-in:

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/c
Vis.	49.00 S/L
W.L.	7.00 in3
F.C.	0.32 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	125.00 F
Hole Condition	good
% 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.	Wes Hansen
Contr.	Duke
Rig #	2
Unit #	no
Pump T.	none

SAMPLES:

SENT TO:

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Donovan #1

LOCATION : 10-34s-13w Barber co. KS

TICKET No. 11834 D.S.T. No. 9 DATE 07/20/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 28

INTERVAL TOOL .....

TOTAL PACKERS AND ANCHOR ..... 48

TOTAL TOOL ..... 76

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STAND.Stands Single Total

D.P. ANCHOR STAND.Stands Single Total

TOTAL ASSEMBLY .....

D.C. ABOVE TOOLS.Stands Single Total

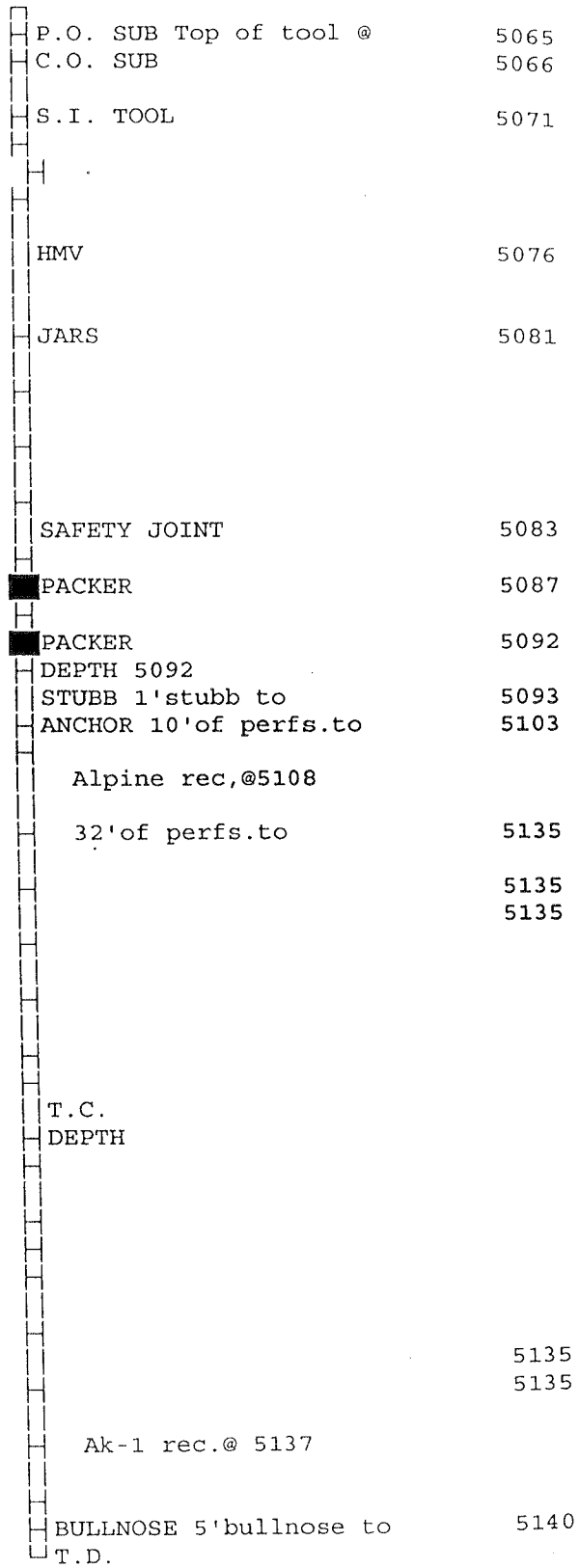
D.P. ABOVE TOOLS.Stands 82 Single 1 Total 5097

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5173

TOTAL DEPTH ..... 5140

TOTAL DRILL PIPE ABOVE K.B. .... 33

REMARKS:



# TEST HISTORY

TK#11834 DST#9 Donovan #1 Woolsey pet, corp

## Flag Points

t (Min.)	P (PSig)
A: 0.00	2498.14
B: 0.00	26.62
C: 31.00	27.78
D: 58.50	65.71
E: 0.00	22.61
F: 43.75	23.86
G: 188.75	86.00
H: 0.00	2399.49

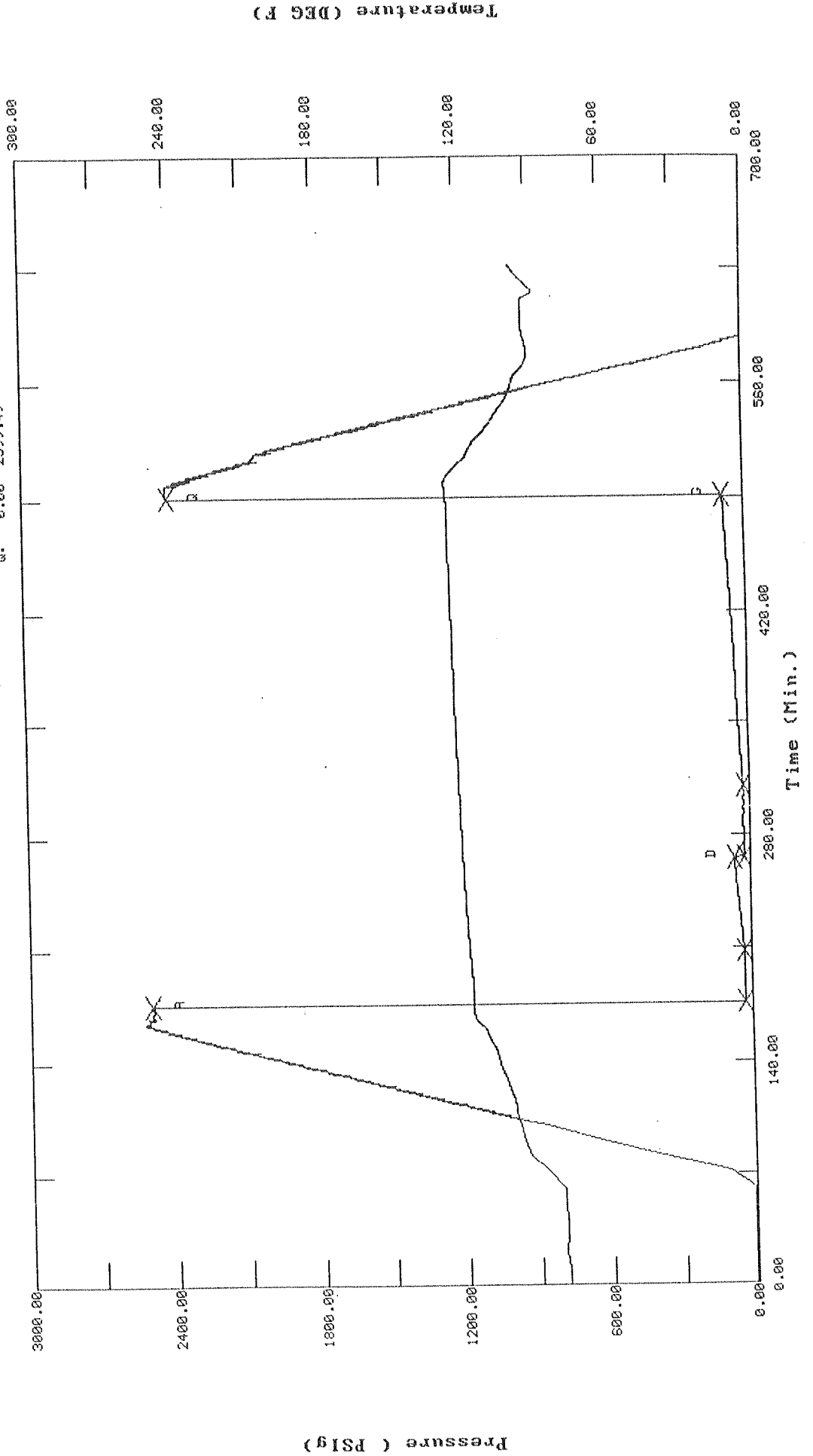
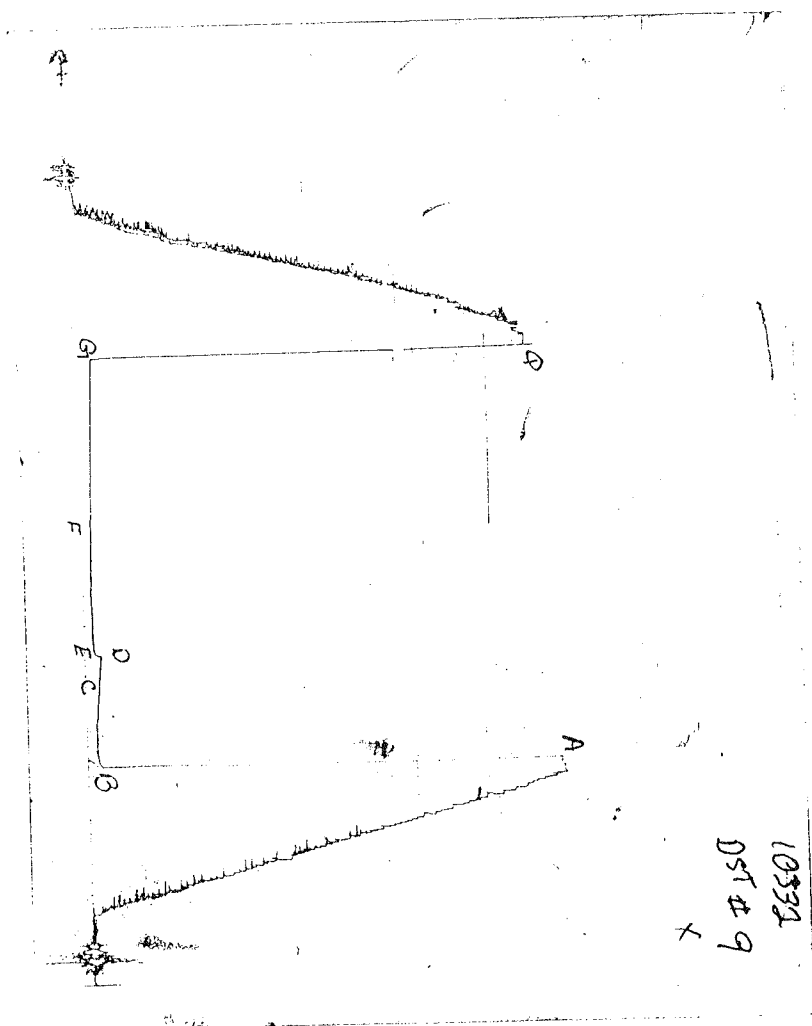


CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey pet, corp.  
 WELL NAME: Donovan #1  
 LOCATION : 10-34s-13w Barber co. KS  
 INTERVAL : 5228.00 To 5286.00 ft

DATE 07/21/199  
 KB 1702.00 ft  
 GR 1694.00 ft  
 TD 5286.00 ft  
 TICKET NO: 11835 DST #10  
 FORMATION: Simpson sd.  
 TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	3030			PF Fr. 1604 to 1634 hr
SI 60 Range (Psi )	4025.0	4025.0	4994.0	0.0	0.0	IS Fr. 1634 to 1734 hr
SF 60 Clock (hrs)	12hr.	12hr.	elec.			SF Fr. 1734 to 1834 hr
FS 240 Depth (ft )	5283.0	5283.0	5266.0	0.0	0.0	FS Fr. 1834 to 2234 hr

	Field	1	2	3	4	
A. Init Hydro	2711.0	2697.0	2583.0	0.0	0.0	T STARTED 1330 hr
B. First Flow	132.0	128.0	48.0	0.0	0.0	T ON BOTM 1602 hr
B1. Final Flow	132.0	131.0	81.0	0.0	0.0	T OPEN 1604 hr
C. In Shut-in	364.0	367.0	339.0	0.0	0.0	T PULLED 2234 hr
D. Init Flow	121.0	133.0	77.0	0.0	0.0	T OUT 0030 hr
E. Final Flow	132.0	127.0	82.0	0.0	0.0	
F. Fl Shut-in	324.0	133.0	304.0	0.0	0.0	
G. Final Hydro	2610.0	2563.0	2476.0	0.0	0.0	
Inside/Outside	0	0	I			

TOOL DATA-----

Tool Wt.	2100.00 lb
Wt Set On Packer	20000.00 lb
Wt Pulled Loose	85000.00 lb
Initial Str Wt	54000.00 lb
Unseated Str Wt	57000.00 lb
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	5222.00 ft

RECOVERY

Tot Fluid 140.00 ft of 0.00 ft in DC and 140.00 ft in DP  
 140.00 ft of Very slight gas cut mud 5%Gas 95%Mud  
 2914.00 ft of gas in pipe  
 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:  
 Fair blow bottom of bucket in 14 mins  
 Initial Shut-in:  
 Bled down for 3 mins, no blow back  
 Final Flow:  
 Strong blow, bottom of bucket in  
 30 secs  
 Final Shut-in:  
 Bled down for 5 mins. no blow back

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb,
Vis.	48.00 S/I
W.L.	8.00 in:
F.C.	0.32 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	130.00 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.	Wes Hansen
Contr.	Duke
Rig #	2
Unit #	no
Pump T.	none

SAMPLES:  
 SENT TO:

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Donovan #1

LOCATION : Sec.10 Twp.34s

TICKET No. 11835 D.S.T. No. 10 DATE 07/21/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 28

INTERVAL TOOL .....

TOTAL PACKERS AND ANCHOR ..... 26

TOTAL TOOL ..... 54

DRILL COLLAR ANCHOR IN INTERVAL .....

C. ANCHOR STAND.Stands Single Total

P. ANCHOR STAND.Stands Single 1 Total 32

TOTAL ASSEMBLY ..... 86

C. ABOVE TOOLS.Stands Single Total

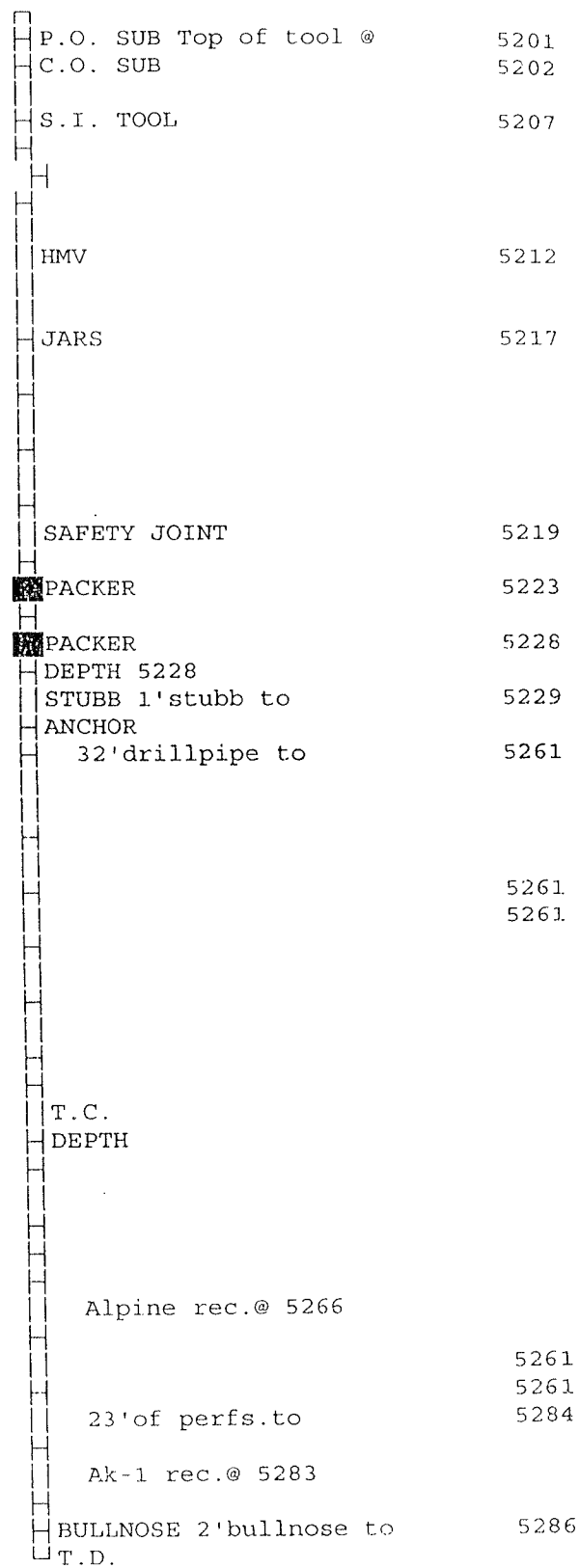
P. ABOVE TOOLS.Stands85 Single 1 Total 5222

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5308

TOTAL DEPTH ..... 5286

TOTAL DRILL PIPE ABOVE K.B. .... 22

REMARKS:



# TEST HISTORY

Tk#11835 DST#10 Donovan #1 Woolsey pet,corp.

## Flag Points

t(Min.) P( PSig)

R:	0.00	2582.84
B:	0.00	48.45
C:	29.50	81.23
D:	60.00	338.95
E:	0.00	77.39
F:	59.00	82.18
G:	240.75	303.66
Q:	0.00	2475.89

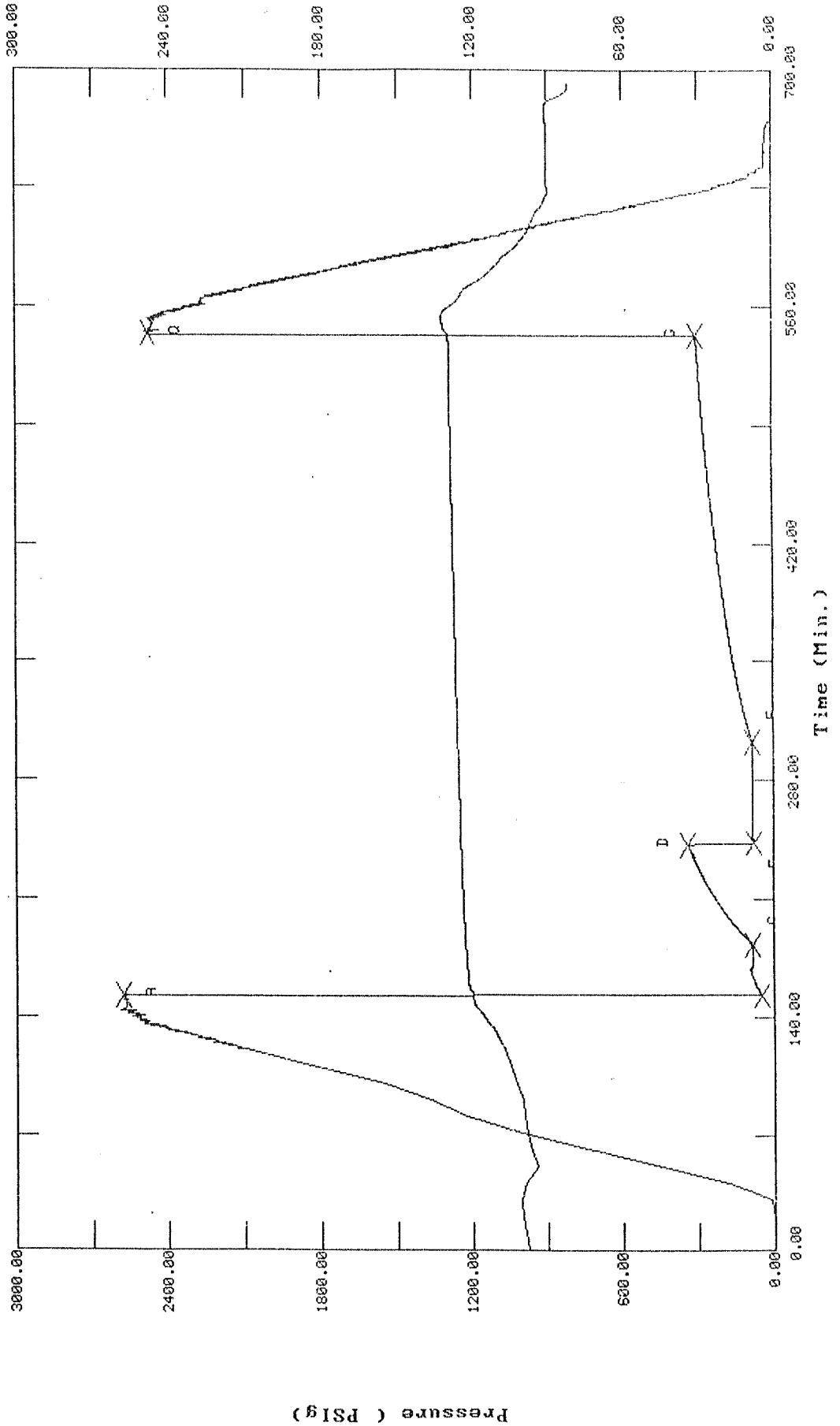
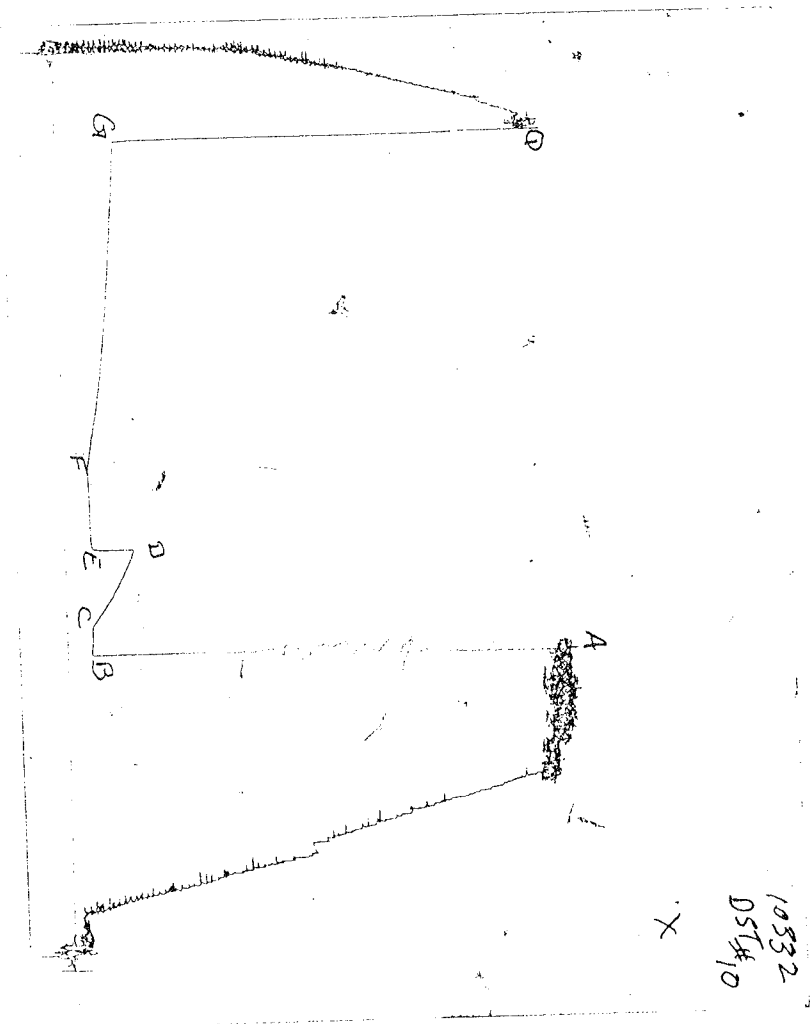


CHART PAGE



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