TRILOBITE TESTING L.L.C.

OPERATOR : Docking Development,co.
WELL NAME: O'Hare #11
LOCATION : 18-32s-1w Sunmer co KS
INTERVAL : 3250.00 To 3270.00 ft

DATE 07/24/199
KB 1289.00 ft TICKET NO: 11437 DST #1
GR 1279.00 ft FORMATION: swope
TD 3270.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 30	Rec.	10332	10332	2357		
SI 60	Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0
SF 45	Clock(hrs)	12hr.	12hr.	elec.		
FS 90	Depth(ft)	3267.0	3267.0	3256.0	0.0	0.0

TIME DATA----------
PF Fr. 0135 to 0205 hr
IS Fr. 0205 to 0305 hr
SF Fr. 0305 to 0350 hr
FS Fr. 0350 to 0520 hr

	Field	1	2	3	4
A. Init Hydro	1559.0	1561.0	1680.0	0.0	0.0
B. First Flow	233.0	243.0	96.0	0.0	0.0
B1. Final Flow	304.0	312.0	529.0	0.0	0.0
C. In Shut-in	1054.0	1065.0	1216.0	0.0	0.0
D. Init Flow	689.0	639.0	554.0	0.0	0.0
E. Final Flow	699.0	699.0	866.0	0.0	0.0
F. Fl Shut-in	1085.0	1083.0	1222.0	0.0	0.0
G. Final Hydro	1651.0	1659.0	1634.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 2308 hr
T ON BOTM 0132 hr
T OPEN 0135 hr
T PULLED 0520 hr
T OUT 0900 hr

TOOL DATA----------

Tool Wt.	2100.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	65000.00 lbs
Initial Str Wt	50000.00 lbs
Unseated Str Wt	57000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.00 in
D.C. Length	316.48 ft
D.P. Length	2965.46 ft

RECOVERY
Tot Fluid 1767.00 ft of 316.00 ft in DC and 1450.00 ft in DP
757.00 ft of Gas in pipe
45.00 ft of Free Oil
75.00 ft of Slight oil and gas cut muddy water
0.00 ft of 17% gas 8% oil 60% water 15% mud
1617.00 ft of Slight mud cut water
0.00 ft of 98% water 2% mud
30.00 ft of Heavy mud cut gassy mud
0.00 ft of 2% gas 13% water 85% mud
SALINITY 160000.00 P.P.M. A.P.I. Gravity 40.00

MUD DATA----------

Mud Type	Chemical
Weight	9.70 lb/cf
Vis.	34.00 S/L
W.L.	15.20 in3
F.C.	0.32 in
Mud Drop N	

BLOW DESCRIPTION
Initial Flow:
Strong blow bottom of bucket in 1 min. 18 secs.
Initial Shut-in:
Bled down for 2 mins. built back to 7"
Final Flow:
Strong blow bottom of bucket in 1:40 mins.
Final Shut-In:
Bled down for 4-1/2 mins built back to

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 n
Cushion Type	none
Reversed Out	
Tool Chased N	
Tester	Darren L.Amerine
Co. Rep.	Steve Davis
Contr.	Summit
Rig #	1
Unit #	no
Pump T.	none

SAMPLES:
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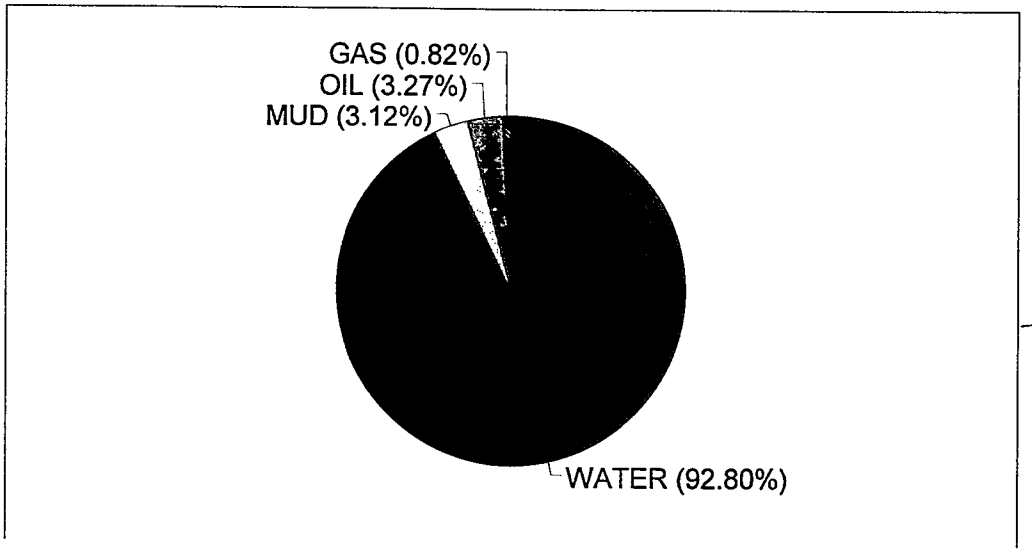
Test Successful: Y

CALCULATED RECOVERY ANALYSIS

DST 1 TICKET 11437

SAMPLE #		TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
DRILL	1	757	100	0	0	0		0	0	0
PIPE	2	45	0	0	100	45		0		0
	3	75	17	12.75	8	6	60	45	15	11.25
	4	1331		0		0	98	1304.38	2	26.62
	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
	5			0				0		0
DRILL	1	286	0	0	0	0	98	280.28	2	5.72
COLLARS	2	30	2	0	0	0	13	3.9	85	25.5
	3	0	0	0	0	0		0	0	0
	4	0	0	0		0	0	0	0	0
	5			0		0		0		0
TOTAL		2524		12.75		51		1633.56		69.09

			HRS OPEN		BBL/DAY
BBL OIL=	0.72522	*	1.25	=	13.92422
BBL WATER=	20.57782	*		=	395.0942
BBL MUD=	0.691177				
BBL GAS =	0.181305				



*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: O'Hare #11

LOCATION : 18-32s-1w Sunmer co KS

TICKET No. 11437 D.S.T. No. 1 DATE 07/24/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS 23

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 20

TOTAL TOOL 43

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 10 Total 316.48

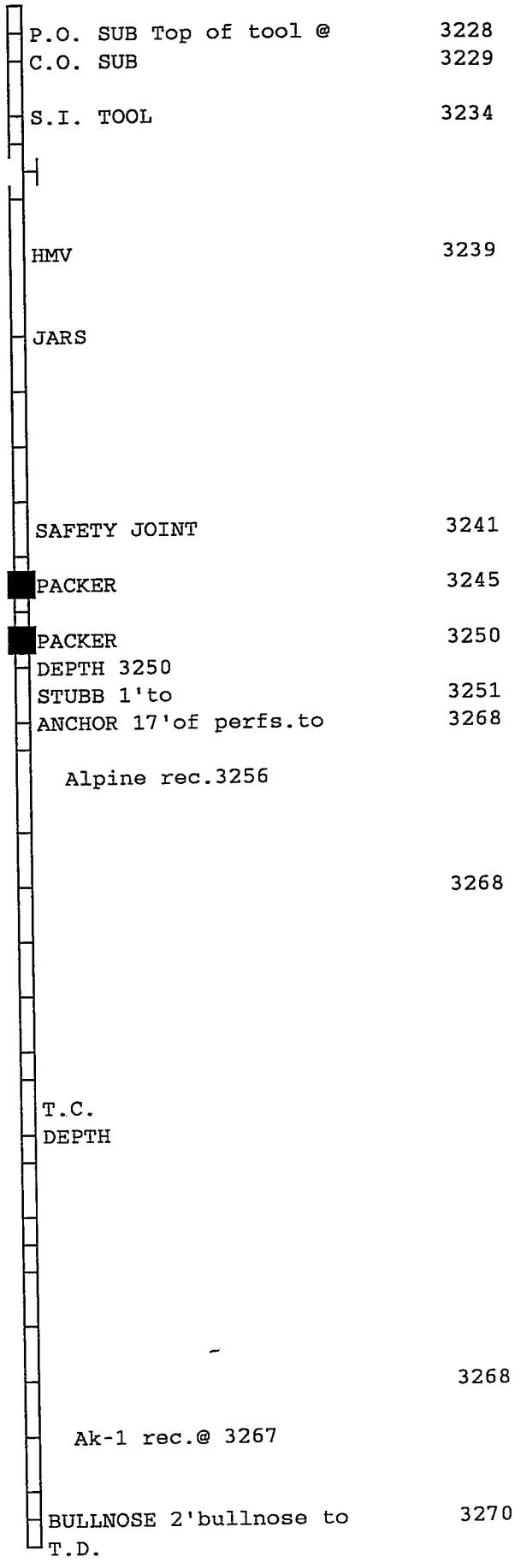
D.P. ABOVE TOOLS.Stands Single Total 2965.46

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3286.64

TOTAL DEPTH 3270.00

TOTAL DRILL PIPE ABOVE K.B. 16.64

REMARKS:



TEST HISTORY

Tk#11437 DST#1 O'Hare #11 Docking Dev,co.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	1680.47
B:	0.00	96.44
C:	28.75	529.24
D:	60.50	1215.78
E:	0.00	554.36
F:	44.00	866.98
G:	94.00	1221.97
Q:	0.00	1634.07

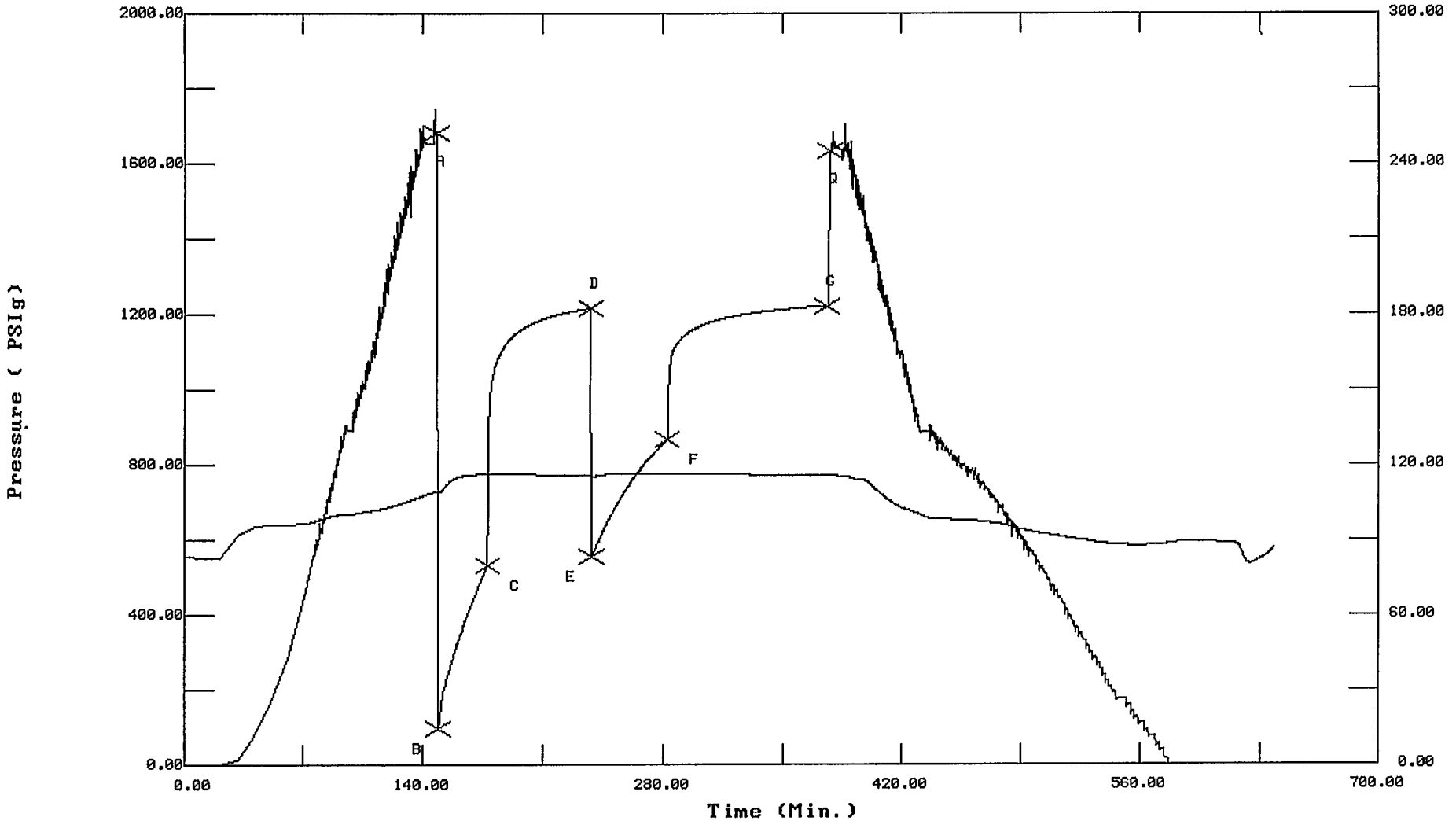
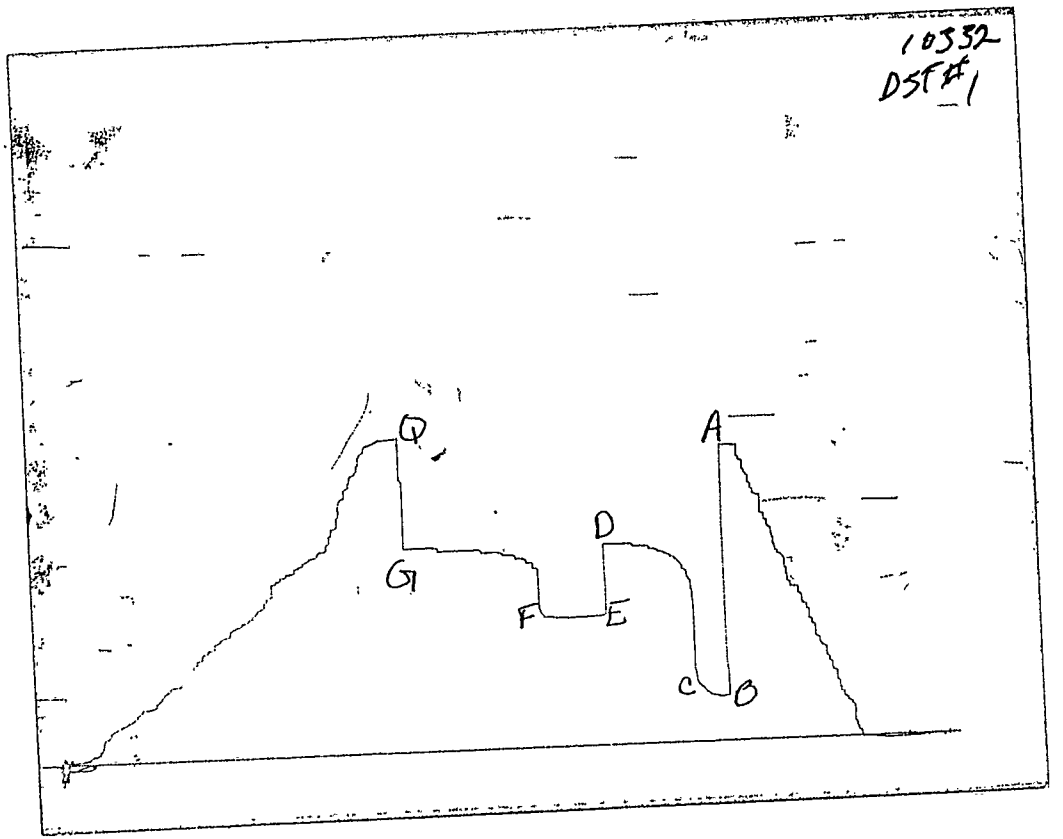


CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Docking Devolopment,co. DATE 07/25/199
WELL NAME: O'Hare #11 KB 1289.00 ft TICKET NO: 11438 DST #2
LOCATION : 18-32s-1w Sunmer co KS GR 1279.00 ft FORMATION: Hertha
INTERVAL : 3300.00 To 3320.00 ft TD 3320.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 30	Rec.	10991	10991	2357		
SI 60	Range(Psi)	4200.0	4200.0	4995.0	0.0	0.0
SF 60	Clock(hrs)	12hr.	12hr.	elec.		
FS 120	Depth(ft)	3317.0	3317.0	3306.0	0.0	0.0

TIME DATA----------
PF Fr. 2250 to 2320 hr
IS Fr. 2320 to 0020 hr
SF Fr. 0020 to 0120 hr
FS Fr. 0120 to 0320 hr

	Field	1	2	3	4
A. Init Hydro	1819.0	1823.0	1731.0	0.0	0.0
B. First Flow	21.0	19.0	28.0	0.0	0.0
B1. Final Flow	21.0	19.0	47.0	0.0	0.0
C. In Shut-in	234.0	238.0	244.0	0.0	0.0
D. Init Flow	53.0	55.0	61.0	0.0	0.0
E. Final Flow	53.0	55.0	76.0	0.0	0.0
F. Fl Shut-in	1098.0	1096.0	1114.0	0.0	0.0
G. Final Hydro	1819.0	1813.0	1619.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 2003 hr
T ON BOTM 2247 hr
T OPEN 2250 hr
T PULLED 0320 hr
T OUT hr

RECOVERY
Tot Fluid 120.00 ft of 120.00 ft in DC and 0.00 ft in DP
151.00 ft of Gas in pipe
30.00 ft of Slight water and oil cut mud
0.00 ft of 8% oil 20% water 72% mud
30.00 ft of Slight gassy oil and water cut mud
0.00 ft of 12% gas 4% oil 14% water 70% mud
60.00 ft of Slight mud cut water 80% water 20% mud
0.00 ft of
0.00 ft of
SALINITY 70000.00 P.P.M. A.P.I. Gravity 0.00

TOOL DATA----------

Tool Wt.	2100.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	70000.00 lbs
Initial Str Wt	46000.00 lbs
Unseated Str Wt	46000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.00 in
D.C. Length	316.48 ft
D.P. Length	2986.52 ft

BLOW DESCRIPTION
Initial Flow:
Weak blow built to 3" in water
Initial Shut-in:
Bled down for 2 mins. no blow back
Final Flow:
Weak blow built to 5" in water
Final Shut-in:
Bled down for 2 mins. no blow back

MUD DATA----------

Mud Type	Chemical
Weight	9.60 lb/cf
Vis.	52.00 S/L
W.L.	12.20 in3
F.C.	0.32 in
Mud Drop	N
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 n
Cushion Type	none
Reversed Out	N
Tool Chased	N
Tester	Darren L.Amerine
Co. Rep.	Steve Davis
Contr.	Summit
Rig #	1
Unit #	no
Pump T.	none

SAMPLES:
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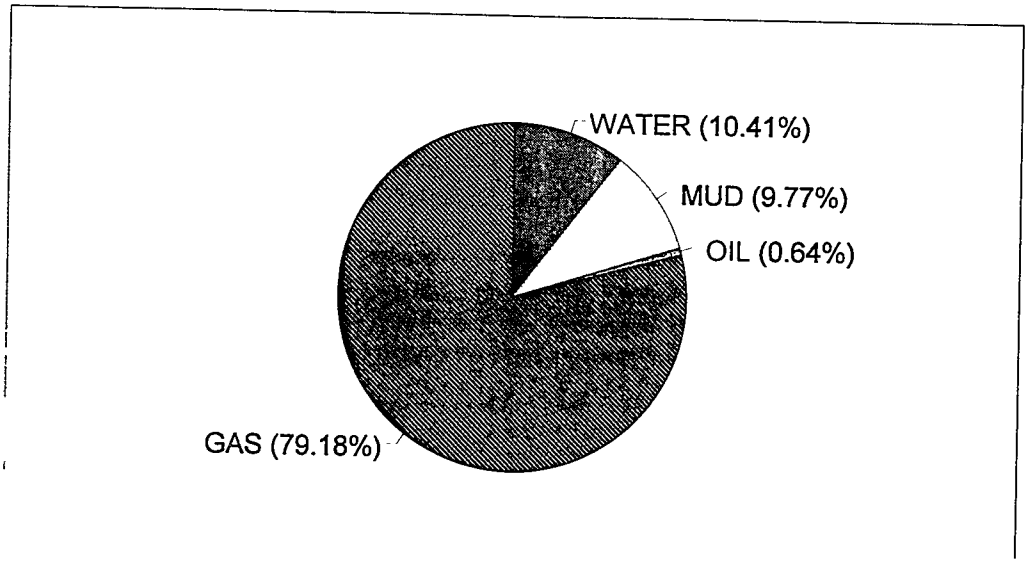
Test Successful: Y

CALCULATED RECOVERY ANALYSIS

DST 2 TICKET 11438

SAMPLE #		TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
DRILL	1	151	100	151	0	0		0	0	0
PIPE	2	0	0	0	0	0		0		0
	3	0	0	0	0	0	0	0	0	0
	4	0		0		0	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
	5			0				0		0
DRILL	1	30	0	0	8	2.4	20	6	72	21.6
COLLARS	2	30	12	3.6	4	1.2	14	4.2	70	21
	3	60	0	0	0	0	80	48	20	12
	4	0	0	0		0	0	0	0	0
	5			0		0		0		0
TOTAL		271		154.6		3.6		58.2		54.6

			HRS OPEN		BBL/DAY
BBL OIL=	0.017604	*	1.5	=	0.281664
BBL WATER=	0.284598	*		=	4.553568
BBL MUD=	0.266994				
BBL GAS =	2.164824				



*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: O'Hare #11

LOCATION : 18-32s-1w Sunmer co KS

TICKET No. 11438 D.S.T. No. 2 DATE 07/25/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS 23

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 20

TOTAL TOOL 43

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 10 Total 316.48

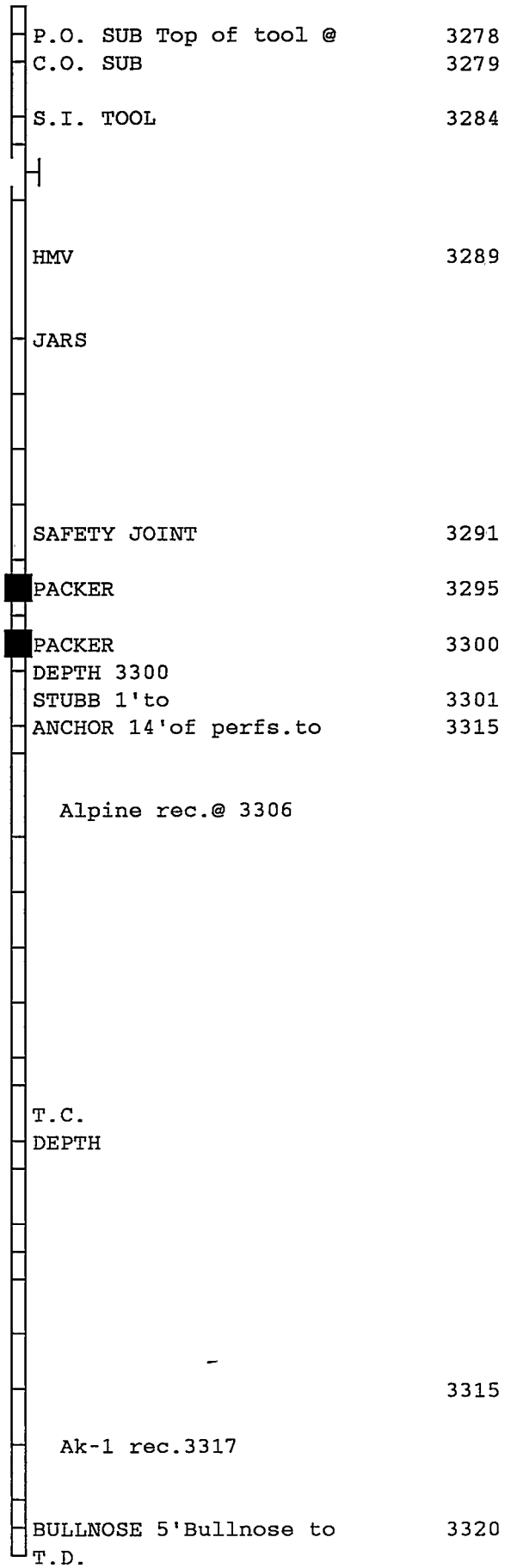
D.P. ABOVE TOOLS.Stands Single 95 Total 2986.52

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3346

TOTAL DEPTH 3320

TOTAL DRILL PIPE ABOVE K.B. 26

REMARKS:



TEST HISTORY

Tk#11438 DST#2 O'Hare #11 Docking Dev,co.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	1730.52
B:	0.00	28.10
C:	32.50	46.57
D:	60.50	243.68
E:	0.00	61.25
F:	56.75	75.99
G:	122.50	1113.66
Q:	0.00	1690.64

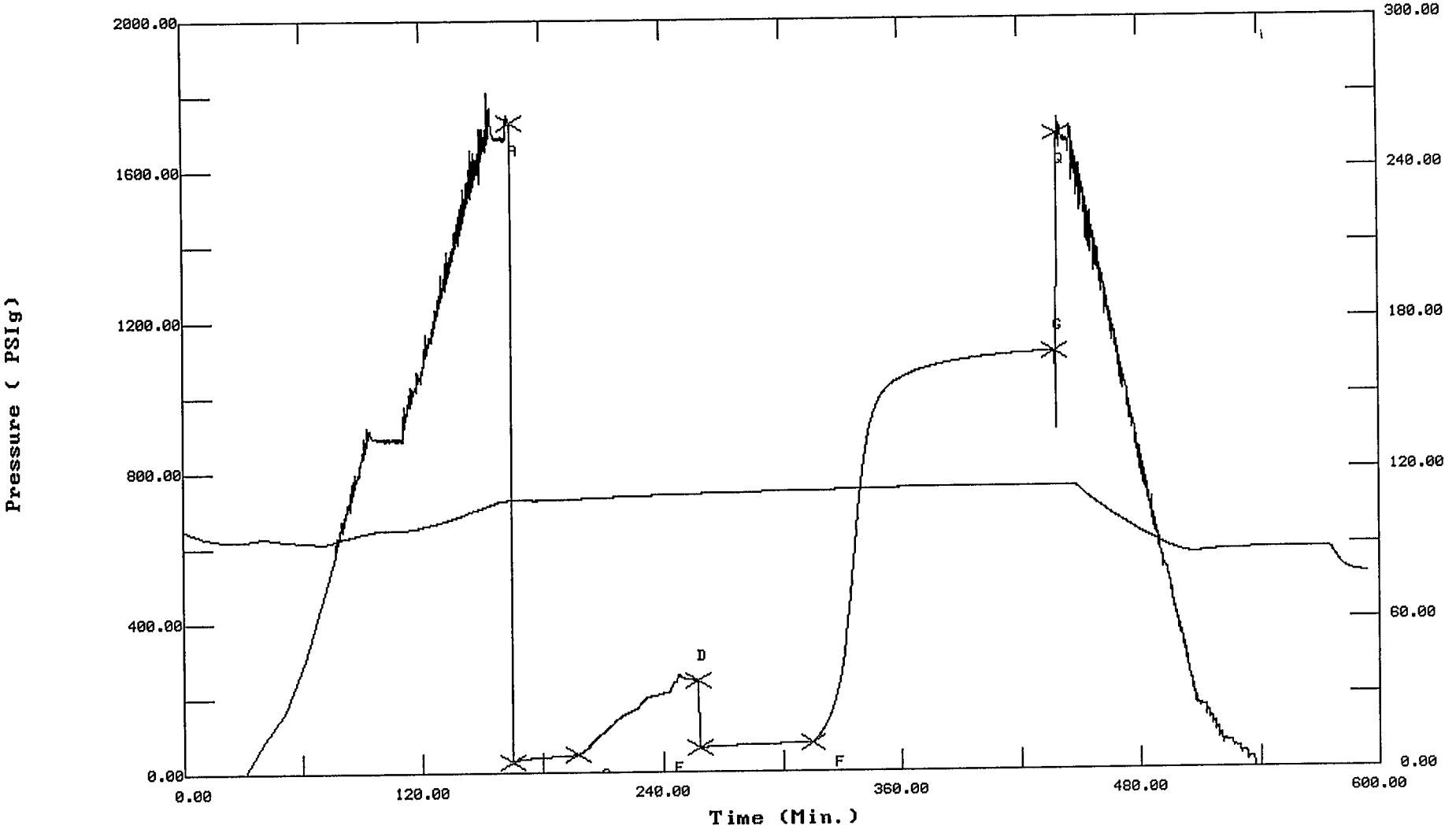
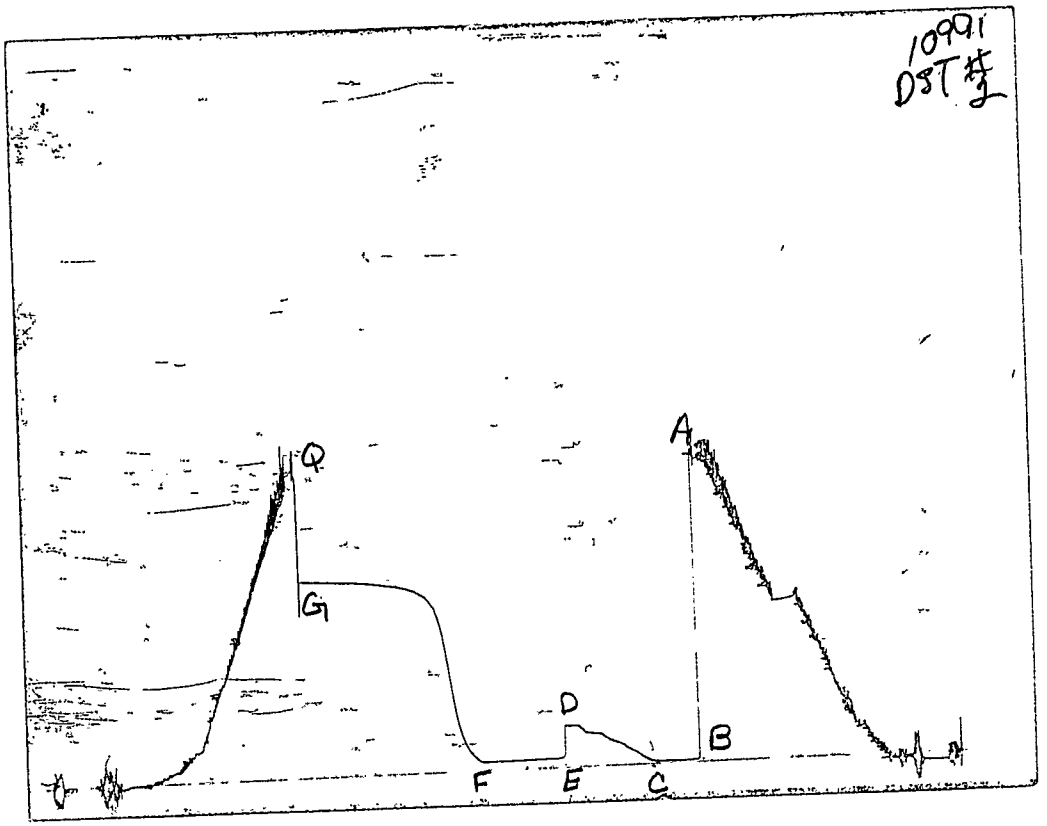


CHART PAGE



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