

TRILOBITE TESTING L.L.C.

OPERATOR : Harris Oil & Gas
WELL NAME: Rich Smith "3-20"
LOCATION : 20-33S-42W Morton co KS
INTERVAL : 3523.00 To 3582.00 ft

DATE 6-2-99
KB 3556.00 ft TICKET NO: 11761 DST #1
GR 3546.00 ft FORMATION: K.C. "A"
TD 3590.00 ft TEST TYPE: CONV-STRADDLE

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10242	10242	Alpine	13630		PF Fr. 2145 to 2215 hr
SI 60	Range(Psi)	4100.0	4100.0	5000.0	4625.0	0.0	IS Fr. 2215 to 2315 hr
SF 60	Clock(hrs)	12 HR	12 HR	12 HR	12 HR		SF Fr. 2315 to 0015 hr
FS 120	Depth(ft)	3575.0	3575.0	3525.0	3626.0	0.0	FS Fr. 0015 to 0215 hr

	Field	1	2	3	4	
A. Init Hydro	1743.0	1754.0	1684.0	0.0	0.0	T STARTED 1935 hr
B. First Flow	123.0	145.0	61.0	0.0	0.0	T ON BOTM 2140 hr
B1. Final Flow	128.0	145.0	115.0	0.0	0.0	T OPEN 2145 hr
C. In Shut-in	689.0	703.0	669.0	0.0	0.0	T PULLED 0215 hr
D. Init Flow	203.0	218.0	118.0	0.0	0.0	T OUT 0530 hr
E. Final Flow	207.0	227.0	154.0	0.0	0.0	
F. Fl Shut-in	698.0	715.0	667.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1734.0	1734.0	1655.0	0.0	0.0	Tool Wt. 2800.00 lbs
Inside/Outside	O	O	I	S		Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 6000.00 lbs
						Initial Str Wt 52000.00 lbs
						Unseated Str Wt 53000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 182.00 ft
						D.P. Length 3335.00 ft

RECOVERY

Tot Fluid 265.00 ft of 182.00 ft in DC and 83.00 ft in DP
75.00 ft of Water cut Mud 12% Water 88% Mud
190.00 ft of Mud cut Water 74% Water 26% 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 24800.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
Weak 2 1/2" built to 7" in bucket
30 mins.
Initial Shut-in:
No blow back
Final Flow:
Surface blow built to 5 1/2" in
bucket 60 mins.
Final Shut-in:
No blow back

SAMPLES: None
SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	60.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop Y	30.0 ft
Amt. of fill	0.00 ft
Btm. H. Temp.	108.00 F
Hole Condition	Good
% Porosity	24.00
Packer Size	6.75 in
No. of Packers	4
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Lanny Saloga
Co. Rep.	Harold Frauli
Contr.	Allen
Rig #	2
Unit #	
Pump T.	

Test Successful: Y

P.O. SUB Cir. sub	3436
C.O. SUB Top of tool	3496
Double pin	3497
S.I. TOOL H&T	3502
HMV Sterling	3507
JARS Bowen	3512
SAFETY JOINT Bowen	3514
PACKER Sparton	3519
PACKER Shale	3523
DEPTH	
STUBB 1 ft.	3524
ANCHOR Rec. sub	3525
Alpine	3525
Pu. sub	3530
6 ft. perfs	3536
Co. sub	3537
1 jt. DP	3568
Co. sub	3569
Pu. sub	3574
AK-1	3575
5 ft. perf	3579
Blank	3579
3 ft. of packer	3582
T.C.	
DEPTH	
PACKER Sparton "Center"	3582
2 ft. of packer	3584
3 ft. of packer	3587
PACKER Shale "Center"	3587
2 ft. of packer	3589
1 ft. of hook	3590
Hook dies "Set"	3590
4 ft. of hook	3594
Co. sub	3595
1 jt. DP	3626
AK-1	3626
Co. sub	3627
BULLNOSE 2 ft. perf	
T.D.	3629

Bottom packers held.

TEST HISTORY

11761 D.S.T.#1 Rich Smith "3-20" Harris Oil & Gas

Flag Points
t(Min.) P(PSIg)

A: 0.00 1684.21
B: 0.00 61.39
C: 31.00 115.16
D: 61.00 669.03
E: 0.00 118.35
F: 59.00 154.79
G: 122.00 667.73
Q: 0.00 1655.66

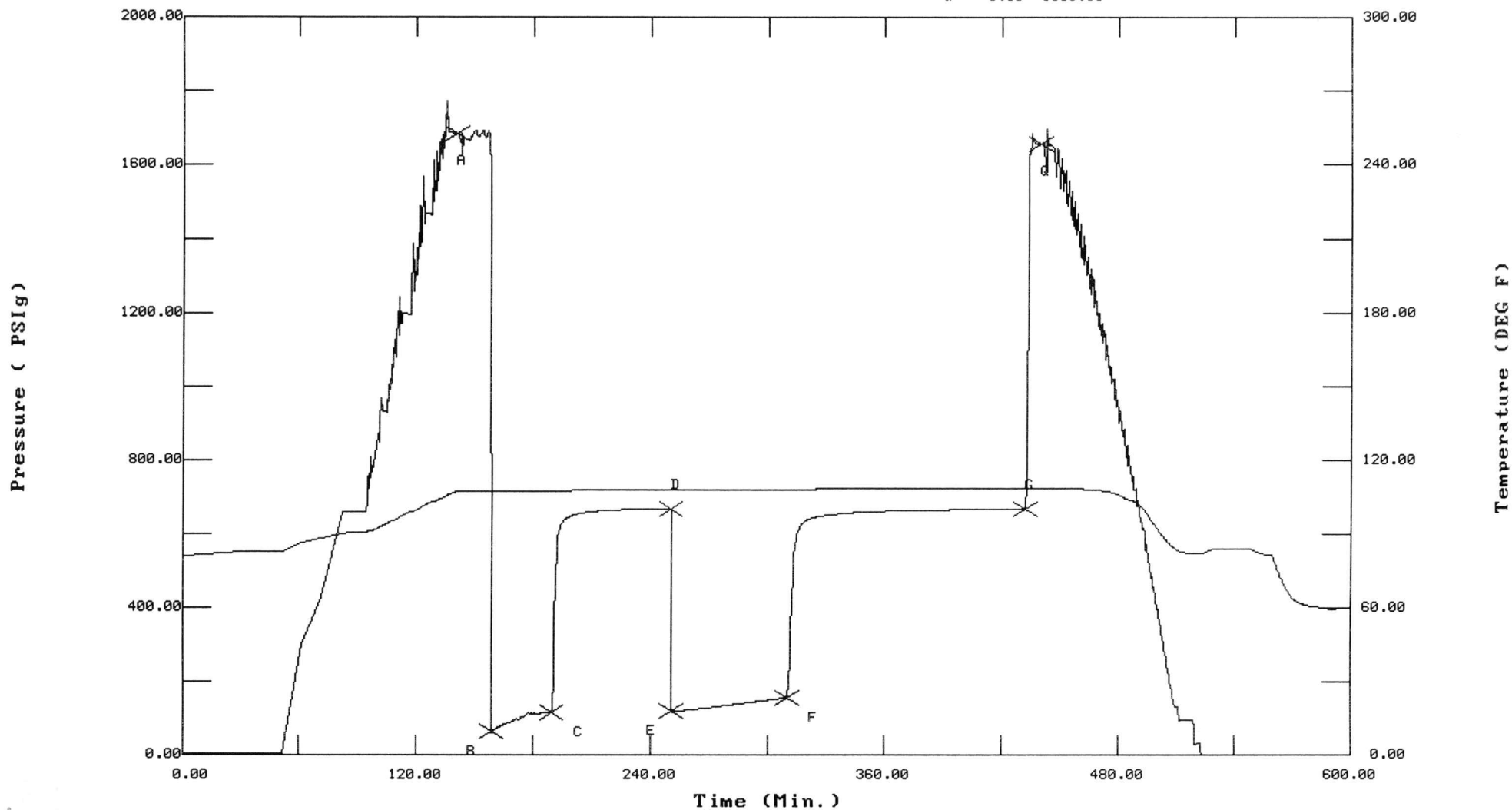
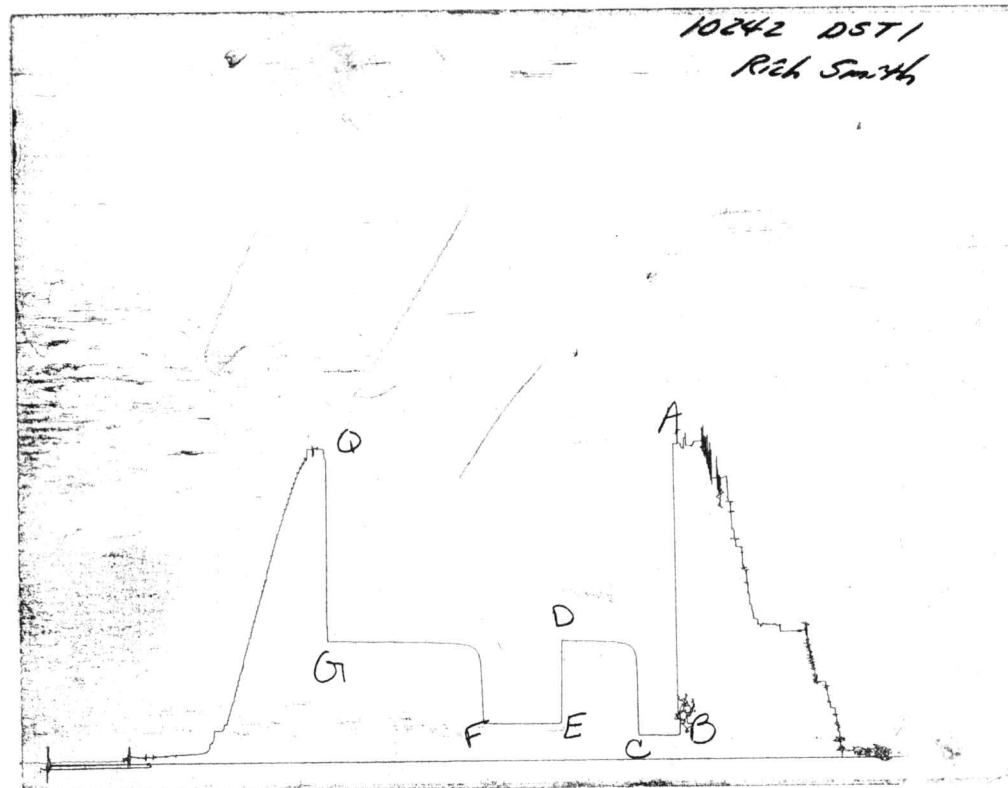
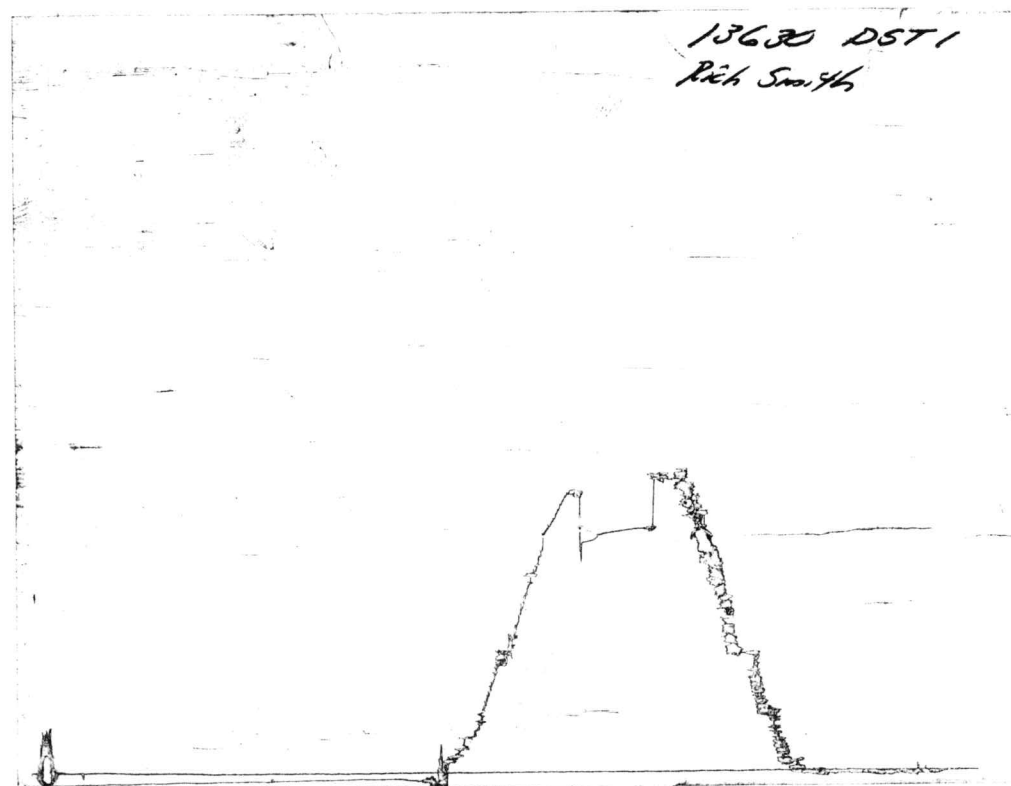


CHART PAGE



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

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