

WELL NAME: Boles "C-4"
COMPANY: Anadarko Petroleum Corp.
LOCATION: 3-35s-34w
Seward County, Kansas
DATE: 9/10/98

TRILOBITE TESTING L.L.C.

OPERATOR : Anadarko Pet. Corp.

DATE 9-7-98

WELL NAME: Boles "C-4"

KB 2917.00 ft

TICKET NO: 10772 DST #1

LOCATION : 3-35S-34W Seward co. KS

GR 2906.00 ft

FORMATION: St. Louis

INTERVAL : 6580.00 To 6632.00 ft

TD 6801.00 ft

TEST TYPE: CONV-STRADDLE

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10242	10242	Alpine	11019		PF Fr. 0520 to 0550 hr
SI 60	Range(Psi)	4100.0	4100.0	5000.0	4500.0	0.0	IS Fr. 0550 to 0650 hr
SF 60	Clock(hrs)	12 HR	12 HR	12 HR	12 HR		SF Fr. 0650 to 0750 hr
FS 120	Depth(ft)	6626.0	6626.0	6614.0	6640.0	0.0	FS Fr. 0750 to 0950 hr

	Field	1	2	3	4	
A. Init Hydro	3245.0	3247.0	3191.0	0.0	0.0	T STARTED 0220 hr
B. First Flow	63.0	89.0	44.0	0.0	0.0	T ON BOTM 0516 hr
B1. Final Flow	63.0	82.0	67.0	0.0	0.0	T OPEN 0520 hr
C. In Shut-in	1899.0	1915.0	1884.0	0.0	0.0	T PULLED 0950 hr
D. Init Flow	91.0	116.0	69.0	0.0	0.0	T OUT 1430 hr
E. Final Flow	91.0	116.0	97.0	0.0	0.0	
F. Fl Shut-in	1899.0	1915.0	1868.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	3131.0	3128.0	3101.0	0.0	0.0	Tool Wt. 4800.00 lbs
Inside/Outside	O	O	I	S		Wt Set On Packer 35000.00 lbs
						Wt Pulled Loose 38000.00 lbs
						Initial Str Wt 100000.00 lbs
						Unseated Str Wt 102000.00 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 605.00 ft
						D.P. Length 5965.00 ft

RECOVERY

Tot Fluid 120.00 ft of 120.00 ft in DC and 0.00 ft in DP
 120.00 ft of Mud 100% mud
 0.00 ft of
 0.00 ft of

SALINITY 4000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Surface blow, died in 13 min.
 Final Flow:
 No blow.

MUD DATA-----
 Mud Type Chemical
 Weight 9.00 lb/c:
 Vis. 62.00 S/L
 W.L. 8.50 in3
 F.C. 0.00 in
 Mud Drop Y 15.0 ft

Amt. of fill 0.00 ft
 Btm. H. Temp. 152.00 F
 Hole Condition Good
 % Porosity 12.00
 Packer Size 6.75 in
 No. of Packers 3
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out N
 Tool Chased N
 Tester Lanny Saloga
 Co. Rep. Steve Ridenour
 Contr. Big A
 Rig # 1
 Unit #
 Pump T.

SAMPLES: None
 SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONV-STRADDLE

WELL NAME: Boles "C-4"

LOCATION : 3-35S-34W Seward co. KS

TICKET No. 10772 D.S.T. No. 1 DATE 9-7-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 22

TOTAL TOOL 52

DRILL COLLAR ANCHOR IN INTERVAL 30

C. ANCHOR STANDS 82 Single 10 Total

P. ANCHOR STANDS 605 Single 97 Total

TOTAL ASSEMBLY 5965

C. ABOVE TOOLS STANDS 665 Single 663 Total 20

P. ABOVE TOOLS STANDS Single Total

TOTAL DRILL COLLARS DRILL PIPE & TOOLS ..

TOTAL DEPTH

TOTAL DRILL PIPE ABOVE K.B.

REMARKS:

FLUID SAMPLER DATA

Total Vol. 4700 ML.

Total Vol. Rec. 4700 ML.

Oil 0 ML.

Mud 4500 ML.

Water 200 ML.

Gas 0 CF. "No odor"

Pressure 110

Depth 152 F.

Pit RW. 5.8 Ohms at 66 F. 1,000 PPM.

Rec RW. 1.1 Ohms at 97 F. 4,000 PPM.

Gravity --- at -- F.

P.O. SUB Cir. sub	6488
C.O. SUB Top of tool	6550
Double pin	6551
S.I. TOOL H&T	6556
Sampler	6559
Sterling	6564
HMV	
JARS	
Sterling	6569
Bowen	6571
SAFETY JOINT	
Sparton	6576
DEPTH Sparton	6580
STUBB	
ANCHOR 1 ft. perf	6582
Co sub	6583
1 jt. DP	6613
Co sub	6614
Alpine	6614
Pu sub	6619
AK-1	6626
10 ft. perfs	6629
Blank	6629
3 ft. packer	6632
T.C.	
DEPTH	
PACKER Sparton "Center"	6632
2 ft. packer	6634
AK-1	6640
9 ft. perfs	6643
Rec. sub	6644
Co sub	6645
2 stds & single DP	6798
Co sub	6799
BULLNOSE 2 ft. perf	
T.D.	6801

10772 D.S.T.#1 Boles "C-4" Anadarko Pet.

TEST HISTORY

Flag Points
 t(Min.) > Pk PSig >

A:	0.00	3191.79
B:	0.00	44.04
C:	30.00	67.88
D:	61.00	1884.89
E:	0.00	69.82
F:	59.00	97.68
G:	121.00	1868.20
Q:	0.00	3101.92

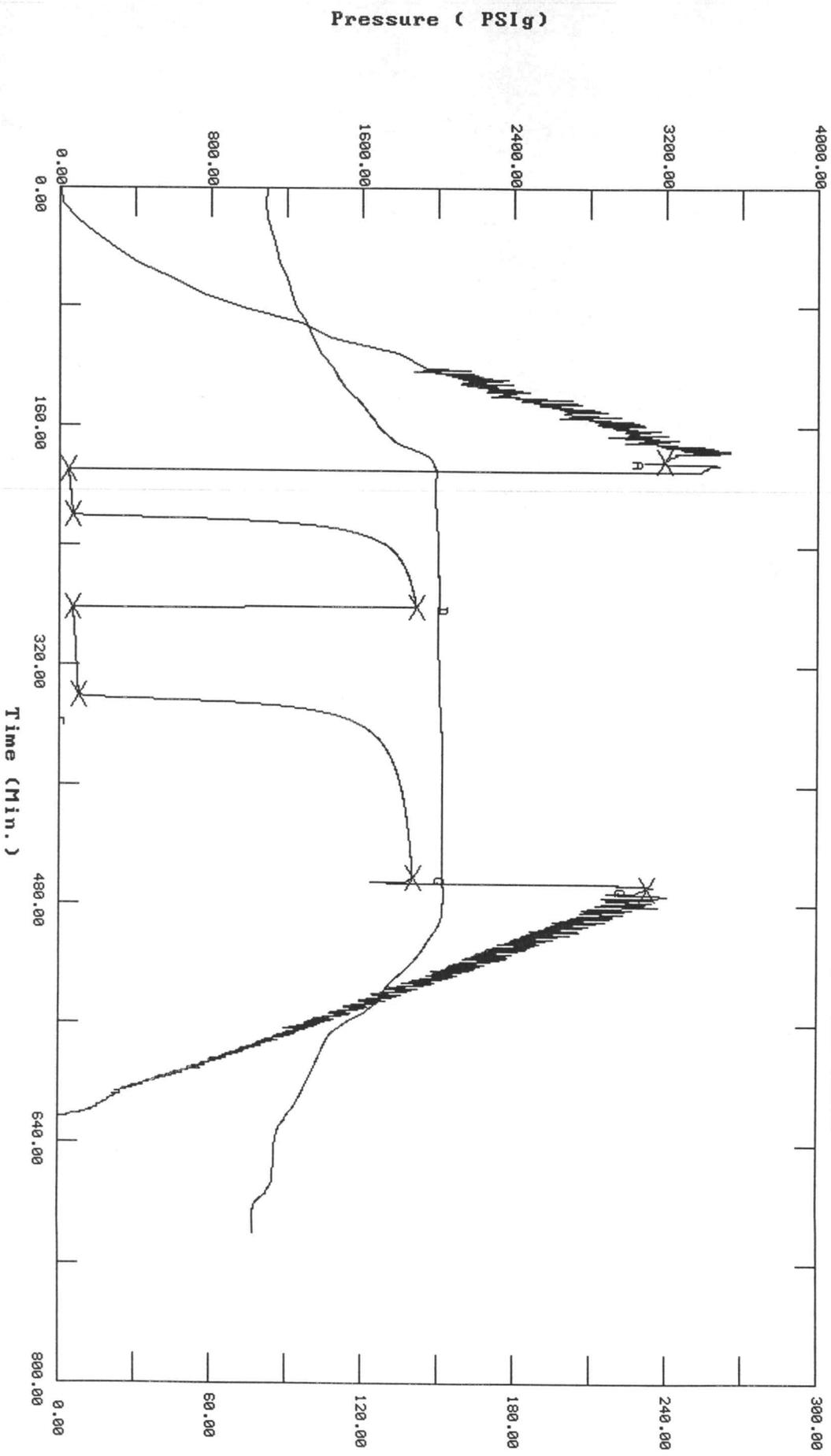
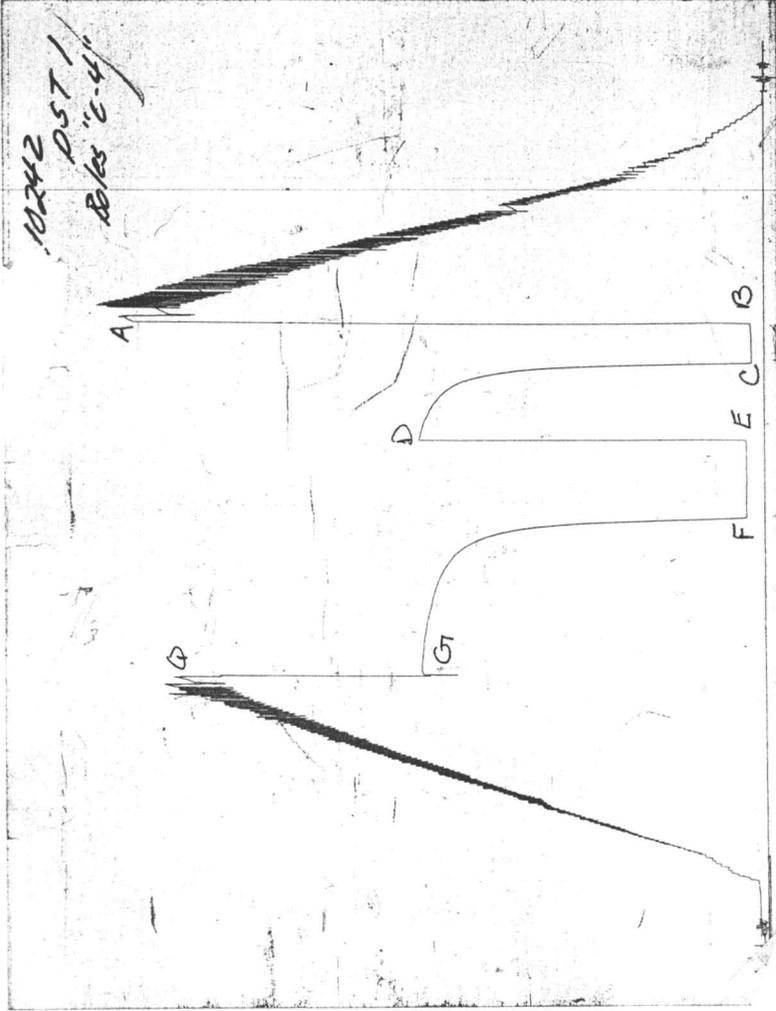
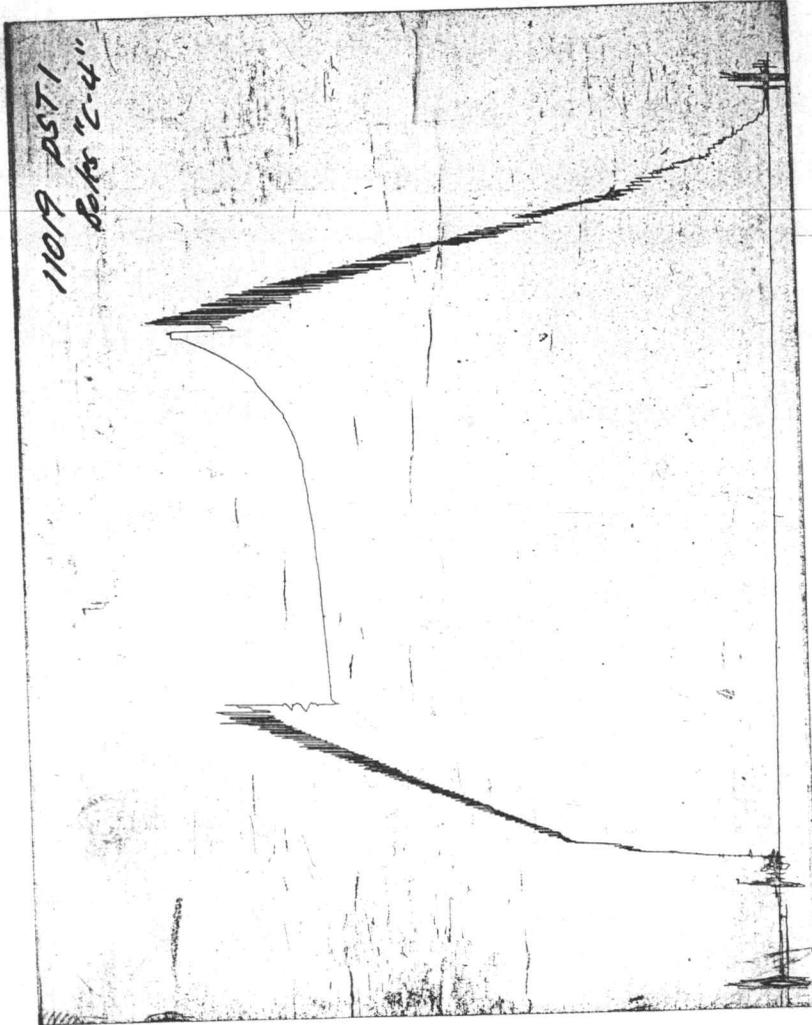


CHART PAGE



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

CHART PAGE



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TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 10772 Date 9-7-98
Company Name Armeda Co. Pet.
Lease Bates "C-4" Test No. 1
County Seward KS. Sec. 3 Twp. 35S Rng. 34W

Total Vol. = 5000 ML.

SAMPLER RECOVERY

Gas "No Odor" 0 G.F. ML
Oil 0 ML
Mud 4500 ML
Water 200 ML
Other 0 ML
Pressure 110 PSI
Total Vol. Rec. 4700 ML

PIT MUD ANALYSIS

Chlorides 4,000 ppm.
Resistivity 5.8 ohms @ 66 F
Viscosity 62
Mud Weight 9.0
Filtrate 8.5
Other 10# L.C.M.

SAMPLER ANALYSIS

Resistivity 1.1 ohms @ 97 F
Chlorides 4,000 ppm.
Gravity — corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.