

WELL NAME: Headrick B-1
COMPANY: Anadarko Petroleum Corp.
LOCATION: 11-35s-34w
Seward County, Kansas
DATE: 10/7/98

TRILOBITE TESTING L.L.C.

OPERATOR : Anadarko Pet. Corp.
 WELL NAME: Headrick "B-1"
 LOCATION : 11-35S-34W Seward co. KS
 INTERVAL : 6786.00 To 6890.00 ft

DATE 10-3-98
 KB 2910.00 ft TICKET NO: 10977 DST #1
 GR 2900.00 ft FORMATION: Spergen
 TD 6890.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

| Mins | Field | 1 | 2 | 3 | 4 | TIME DATA----- |
|------------------|--------|--------|--------|-----|-----|------------------------|
| PF 30 Rec. | 11019 | 11019 | Alpine | | | PF Fr. 2155 to 2225 hr |
| SI 60 Range(Psi) | 4500.0 | 4500.0 | 5000.0 | 0.0 | 0.0 | IS Fr. 2225 to 2325 hr |
| SF 60 Clock(hrs) | 12 HR | 12 HR | 12 HR | | | SF Fr. 2325 to 0025 hr |
| FS 120 Depth(ft) | 6887.0 | 6887.0 | 6796.0 | 0.0 | 0.0 | FS Fr. 0025 to 0225 hr |

| | Field | 1 | 2 | 3 | 4 | |
|----------------|--------|---------|--------|-----|-----|-------------------------------|
| A. Init Hydro | 3425.0 | 3467.0 | 3375.0 | 0.0 | 0.0 | T STARTED 1805 hr |
| B. First Flow | 138.0 | 187.0 | 103.0 | 0.0 | 0.0 | T ON BOTM 2151 hr |
| B1. Final Flow | 300.0 | 306.0 | 313.0 | 0.0 | 0.0 | T OPEN 2155 hr |
| C. In Shut-in | 2106.0 | 21320.0 | 2089.0 | 0.0 | 0.0 | T PULLED 0225 hr |
| D. Init Flow | 371.0 | 383.0 | 334.0 | 0.0 | 0.0 | T OUT 0815 hr |
| E. Final Flow | 497.0 | 504.0 | 474.0 | 0.0 | 0.0 | |
| F. Fl Shut-in | 2136.0 | 2130.0 | 2077.0 | 0.0 | 0.0 | TOOL DATA----- |
| G. Final Hydro | 3323.0 | 3335.0 | 3260.0 | 0.0 | 0.0 | Tool Wt. 3300.00 lbs |
| Inside/Outside | 0 | 0 | I | | | Wt Set On Packer 25000.00 lbs |
| | | | | | | Wt Pulled Loose 70000.00 lbs |
| | | | | | | Initial Str Wt 100000.00 lbs |
| | | | | | | Unseated Str Wt 112000.00 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 675.00 ft |
| | | | | | | D.P. Length 6108.00 ft |

RECOVERY

Tot Fluid 990.00 ft of 675.00 ft in DC and 315.00 ft in DP
 1590.00 ft of Gas in pipe
 3.00 ft of Condensate
 127.00 ft of Oil & Gas cut Mud 5% Gas 5% Oil 90% Mud
 185.00 ft of Slight Oil & Gas cut Muddy Water
 0.00 ft of 10% Gas 2% Oil 52% Water 36% Mud
 675.00 ft of Gassy Water 5% Gas 95% Water
 0.00 ft of
 0.00 ft of
 SALINITY 25500.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Weak 1/2", built to strong off bottom
 of bucket in 9 mins.
 Initial Shut-in:
 2 1/2" blow-back.
 Final Flow:
 Weak 1/2", built to strong off bottom
 of bucket in 7 mins.
 Final Shut-in:
 off bottom of bucket blow back

SAMPLES: None
 SENT TO:

Test Successful: Y

MUD DATA-----
 Mud Type Chemical
 Weight 9.00 lb/c
 Vis. 62.00 S/L
 W.L. 9.00 in3
 F.C. 0.00 in
 Mud Drop Y 30.0 ft
 Amt. of fill 0.00 ft
 Btm. H. Temp. 156.00 F
 Hole Condition Sticky
 % Porosity 14.00
 Packer Size 6.75 in
 No. of Packers 2
 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.

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Headrick "B-1"

LOCATION : 11-35S-34W Seward co. KS

TICKET No. 10977 D.S.T. No. 1 DATE 10-3-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30

INTERVAL TOOL

TOTAL PACKERS AND ANCHOR 13

TOTAL TOOL 43

DRILL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STANDS Single Total

P. ANCHOR STANDS 1 Single 1 Total 91

TOTAL ASSEMBLY 134

C. ABOVE TOOLS STANDS 11 Single Total 675

P. ABOVE TOOLS STANDS 99 Single 1 Total 6108

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 6917

TOTAL DEPTH 6890

TOTAL DRILL PIPE ABOVE K.B. 27

REMARKS:

FLUID SAMPLER DATA

Total Vol. 5000 ML.
 Total Vol. Rec. 4900 ML.
 Oil 100 ML.
 Mud 0 ML.
 Wtr. 4800 ML.
 Gas 9.5 CF.
 Psi. 650
 Bht. 156 F.
 Pit RW. 3.8 Ohms at 65 F. 1,600 PPM.
 Rec RW. 0.27 Ohms at 59 F. 30,500 PPM.
 Gravity --- at -- F.

| | |
|----------------------|------|
| P.O. SUB Cir. sub | 6696 |
| C.O. SUB Top of tool | 6756 |
| Double pin | 6757 |
| S.I. TOOL H&T | 6762 |
| Sampler | 6765 |
| HMV Sterling | 6770 |
| JARS Sterling | 6775 |
| SAFETY JOINT Bowen | 6777 |
| PACKER Sparton | 6782 |
| PACKER Sparton | 6786 |
| DEPTH | |
| STUBB 8 ft. perms | 6795 |
| ANCHOR | |
| Co. sub | 6796 |
| Alpine | 6796 |
| T.C. | |
| DEPTH | |
| 1 std. 1 single DP | 6887 |
| AK-1 | 6887 |
| Co. sub | 6888 |
| BULLNOSE 2 ft. perf | |
| T.D. | 6890 |

TEST HISTORY
 10977 D.S.T. #1 Hedrick "B-1" Anadarko Pet. Corp.

Flag Points
 t(Min.) P (PSig)

| | | |
|----|--------|---------|
| R: | 0.00 | 3375.17 |
| B: | 0.00 | 103.12 |
| C: | 29.50 | 313.37 |
| D: | 59.50 | 2089.91 |
| E: | 0.00 | 334.94 |
| F: | 59.50 | 474.35 |
| G: | 121.50 | 2077.05 |
| Q: | 0.00 | 3250.32 |

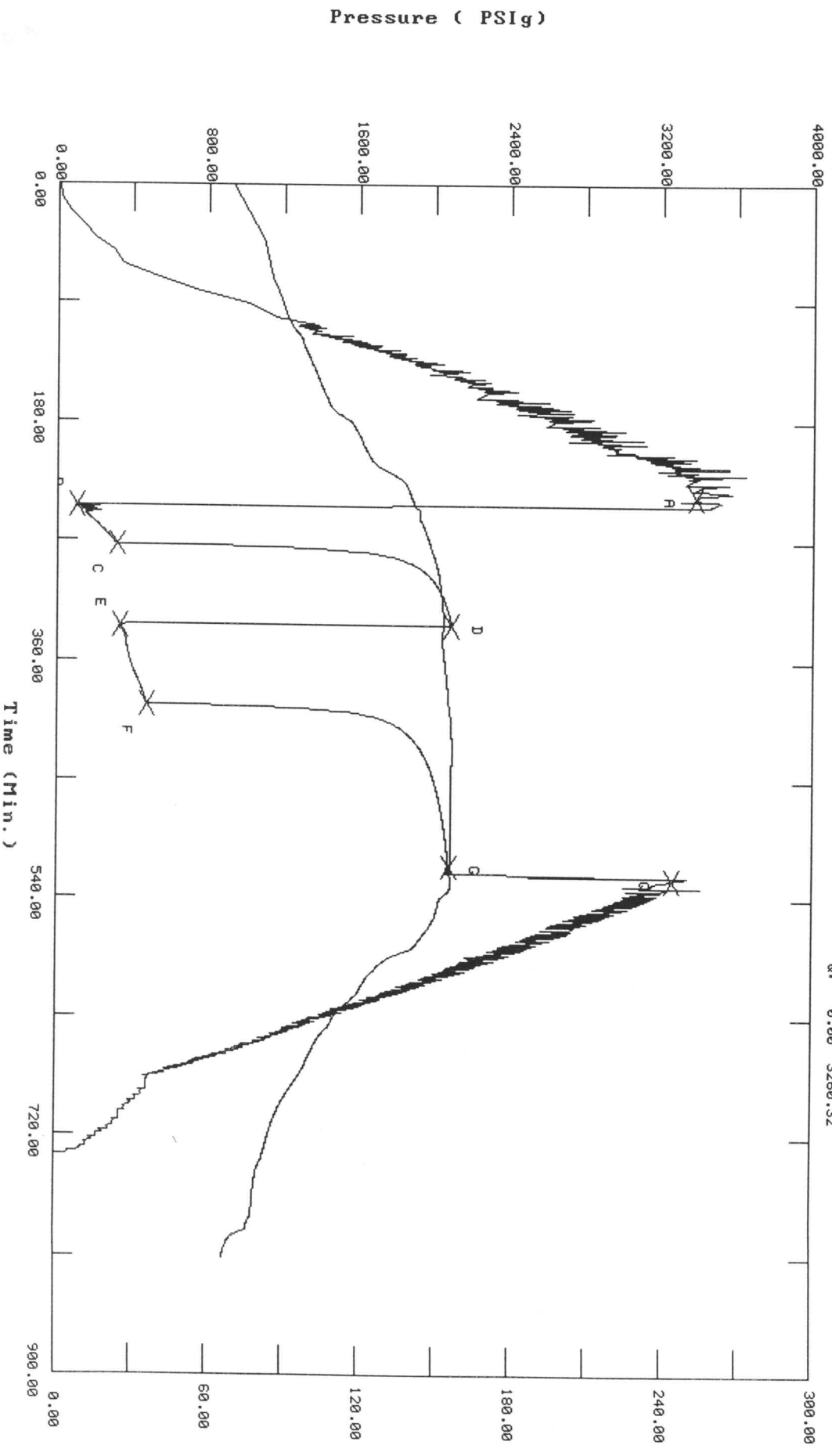
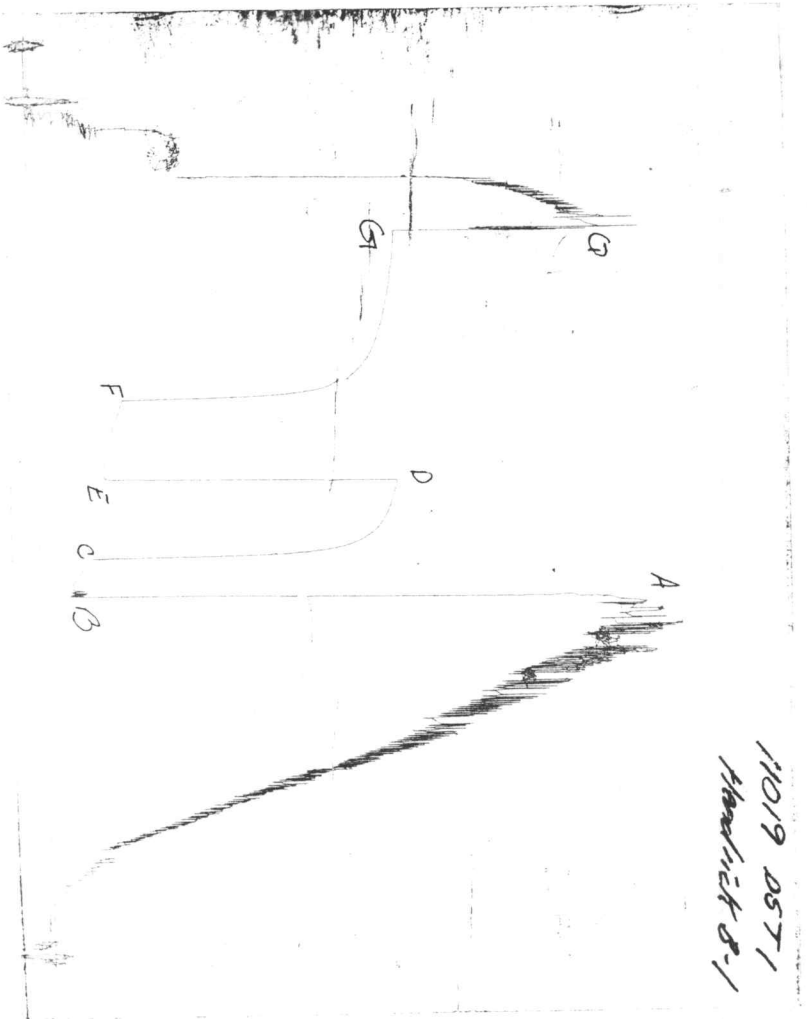


CHART PAGE



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