WELL NAME:	Santa Fe "C-1"
COMPANY:	Oxy USA
LOCATION:	16-34s-42w
	Morton County, Kansas
DATE:	7/28/98

TRILOBITE TESTING L.L.C.

OPERATOR : Oxy U.S.A. DATE 7-23-98
WELL NAME: Santa Fe "C-1" KB 3466.00 ft TICKET NO: 10763 DST #1
LOCATION : 16-34S-42W Morton co. KS GR 3455.00 ft FORMATION: Upper Morrow
INTERVAL : 4180.00 To 4300.00 ft TD 4300.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 30	Rec.	13630	13630	Alpine		
SI 60	Range(Psi)	4625.0	4625.0	5000.0	0.0	0.0
SF 5	Clock(hrs)	12 HR	12 HR	12 HR		
FS 0	Depth(ft)	4297.0	4297.0	4182.0	0.0	0.0

TIME DATA----------
PF Fr. 0935 to 1005 hr
IS Fr. 1005 to 1105 hr
SF Fr. 1105 to 1110 hr
FS Fr. to hr

	Field	1	2	3	4
A. Init Hydro	2090.0	2098.0	1990.0	0.0	0.0
B. First Flow	162.0	200.0	33.0	0.0	0.0
B1. Final Flow	162.0	200.0	43.0	0.0	0.0
C. In Shut-in	178.0	196.0	59.0	0.0	0.0
D. Init Flow	171.0	196.0	45.0	0.0	0.0
E. Final Flow	171.0	196.0	43.0	0.0	0.0
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0
G. Final Hydro	2066.0	2078.0	1955.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 0750 hr
T ON BOTM 0932 hr
T OPEN 0935 hr
T PULLED 1110 hr
T OUT 1415 hr

RECOVERY
Tot Fluid 60.00 ft of 60.00 ft in DC and 0.00 ft in DP
1140.00 ft of Gas in pipe
60.00 ft of Mud 100% 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 1840.00 P.P.M. A.P.I. Gravity 0.00

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

Tool Wt.	3300.00 lbs
Wt Set On Packer	24000.00 lbs
Wt Pulled Loose	40000.00 lbs
Initial Str Wt	69000.00 lbs
Unseated Str Wt	70000.00 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	700.00 ft
D.P. Length	3474.00 ft

BLOW DESCRIPTION
Initial Flow:
Weak 1/2" blow built to strong, off bottom of bucket in 6 min.
Initial Shut-in:
No blow-back.
Final Flow:
Weak 1/2" blow built to 3 1/2" in 5 min

Final Shut-in:
Hole extremly sticky. Pulled loose immediatly after rotating for

SAMPLES: None
SENT TO:

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

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	46.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop Y	15.0 ft
Amt. of fill	0.00 ft
Btm. H. Temp.	111.00 F
Hole Condition	Sticky
% Porosity	25.00
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.	Cal Wylie
Contr.	Cheyenne
Rig #	3
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Santa Fe "C-1"

LOCATION : 16-34S-42W Morton co. KS

TICKET No. 10763 D.S.T. No. 1 DATE 7-23-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 28

TOTAL TOOL 58

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 1 Single 1 Total 92

TOTAL ASSEMBLY 150

D.C. ABOVE TOOLS.Stands 12 Single Total 700

D.P. ABOVE TOOLS.Stands 56 Single Total 3474

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4324

TOTAL DEPTH 4300

TOTAL DRILL PIPE ABOVE K.B. 24

REMARKS:

FLUID SAMPLER DATA

Total Vol.	5000 ML.
Total Vol. Rec.	3800 ML.
Oil	0 ML.
Mud	3800 ML.
Wtr.	0 ML.
Gas	0.6 CF.
Psi.	40
Bht.	111 F.

Pit RW. 3.3 Ohms at 73 F. 1,800 PPM.
Rec RW. 2.6 Ohms at 83 F. 1,840 PPM.
Gravity --- at -- F.

P.O. SUB Cir. sub	4090
C.O. SUB Top of tool	4150
Double pin	4151
S.I. TOOL H&T	4156
Sampler	4159
HMV Sterling	4164
JARS Sterling	4169
SAFETY JOINT Bowen	4171
PACKER Sparton	4176
PACKER Sparton	4180
DEPTH	
STUBB Rec. sub	4182
ANCHOR Alpine	4182
Pu. sub	4187
17 ft. perfs	4204
Co. sub	4205
T.C.	
DEPTH	
1 std & 1 jt DP	4297
AK-1	4297
Co. sub	4298
BULLNOSE 2 ft. perf	
T.D.	4300

TEST HISTORY

10763 D.S.T.#1 Santa Fe "C-3" Oxy U.S.A.

Flag Points

	t(Min.)	P(PSI)
A:	0.00	1990.55
B:	0.00	33.79
C:	29.50	43.24
D:	61.50	59.88
E:	0.00	45.48
F:	6.00	43.20
Q:	0.00	1955.80

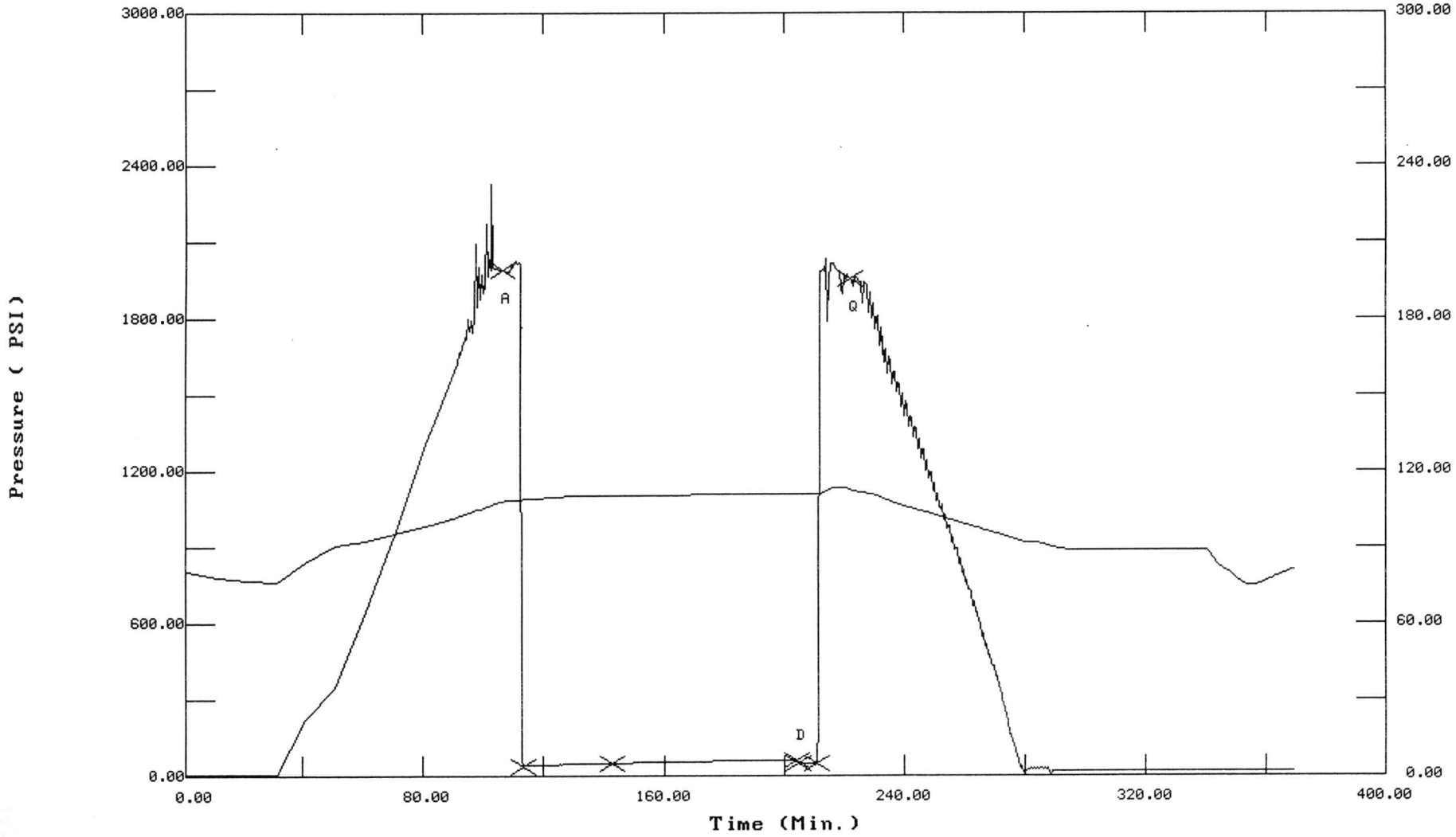
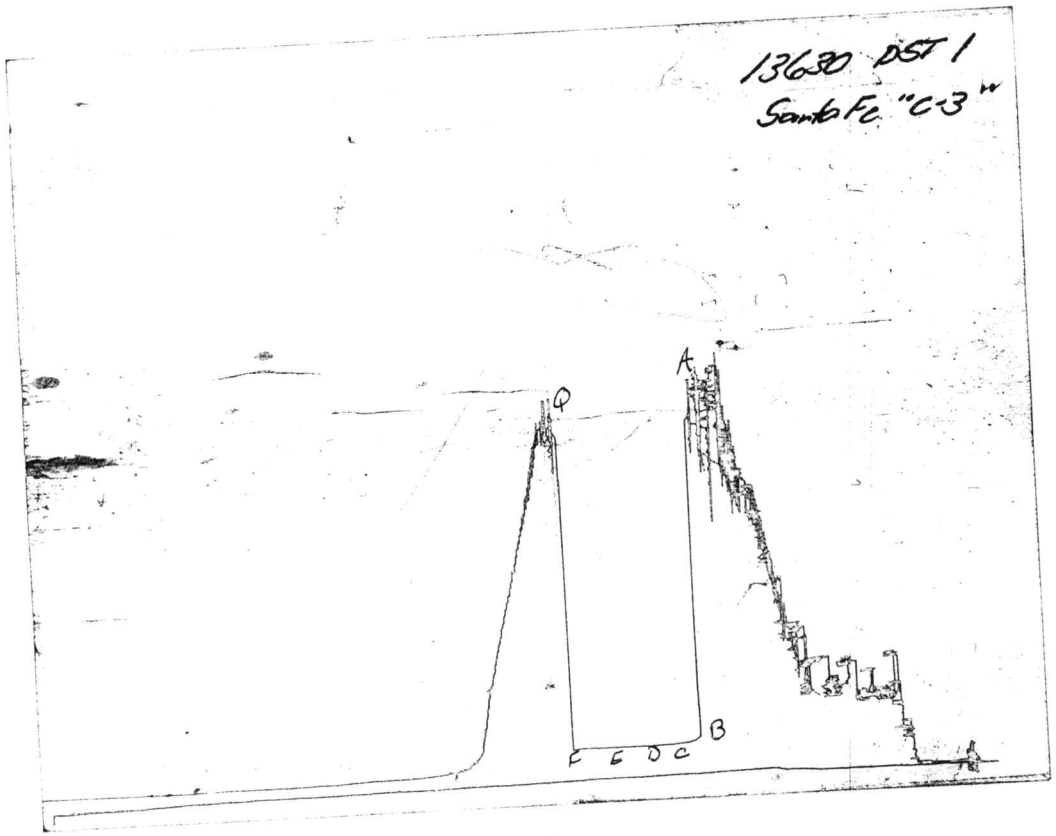


CHART PAGE



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