15-141-20323

3-10s-12w

WELL NAME: Bowman Trust #A-3
COMPANY: Shields Oil Producers
LOCATION: 3-10S-12W
Osborne County Kansas
DATE: 08/14/96

TRILOBITE TESTING L.L.C.

OPERATOR : Shields Oil Producers — DATE 08/14/96
WELL NAME: Bowman Trust #A-3 — KB 1820.00 ft — TICKET NO: 9428 — DST #4
LOCATION : 3-10S-12W, Osborne Cty KS — GR 1815.00 ft — FORMATION: Lansing C
INTERVAL : 3100.00 To 3117.00 ft — TD 3117.00 ft — TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4
PF 5	Rec.	24174	24174	10992		
SI 60	Range(Psi)	3050.0	3050.0	4250.0	0.0	0.0
SF 30	Clock(hrs)	12	12	12		
FS 60	Depth(ft)	3104.0	3104.0	3112.0	0.0	0.0

TIME DATA----------
PF Fr. 0218 to 0223 hr
IS Fr. 0223 to 0323 hr
SF Fr. 0323 to 0353 hr
FS Fr. 0353 to 0453 hr

	Field	1	2	3	4
A. Init Hydro	1485.0	1487.0	0.0	0.0	0.0
B. First Flow	97.0	101.0	0.0	0.0	0.0
B1. Final Flow	104.0	104.0	0.0	0.0	0.0
C. In Shut-in	1318.0	1359.0	0.0	0.0	0.0
D. Init Flow	164.0	169.0	0.0	0.0	0.0
E. Final Flow	194.0	193.0	0.0	0.0	0.0
F. Fl Shut-in	1220.0	1229.0	0.0	0.0	0.0
G. Final Hydro	1454.0	1448.0	0.0	0.0	0.0
Inside/Outside	I	I	O		

T STARTED 0121 hr
T ON BOTM 0216 hr
T OPEN 0218 hr
T PULLED 0453 hr
T OUT 0614 hr

RECOVERY
Tot Fluid 360.00 ft of 0.00 ft in DC and 360.00 ft in DP
240.00 ft of Heavy mud
60.00 ft of Oil & water cut mud 3% oil, 5% water, 92% mud
60.00 ft of Oil & water cut mud 5% oil, 5% water, 90% mud

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

Tool Wt.	1600.00 lbs
Wt Set On Packer	25000.00 lbs
Wt Pulled Loose	60000.00 lbs
Initial Str Wt	42000.00 lbs
Unseated Str Wt	45000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	3090.00 ft

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

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

Mud Type	Chemical
Weight	8.90 lb/c
Vis.	50.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	94.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Paul Simpson
Co. Rep.	Francis Whisler
Contr.	Shields
Rig #	
Unit #	
Pump T.	

BLOW DESCRIPTION
Initial Flow -
Strong blow, bottom of bucket in 1 min
Loosing mud during initial flow &
shutin

Final Flow -
1" blow building to bottom of bucket
in 11 min

SAMPLES:
SENT TO:

Test Successful: Y

CALCULATED RECOVERY ANALYSIS - DRILL PIPE

DST 4 TICKET 9428

SAMPLE #	TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
1	240		0		0		0	100	240
2	60		0	3	1.8	5	3	92	55.2
3	60		0	5	3	5	3	90	54
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
TOTAL	360		0		4.8		6		349.2

			HRS OPEN		BBL/DAY
BBL OIL=	0.06826	*	0.58	=	1.63814
BBL WATER=	0.08532	*		=	2.04768
BBL MUD=	4.96562				
BBL GAS =	0				

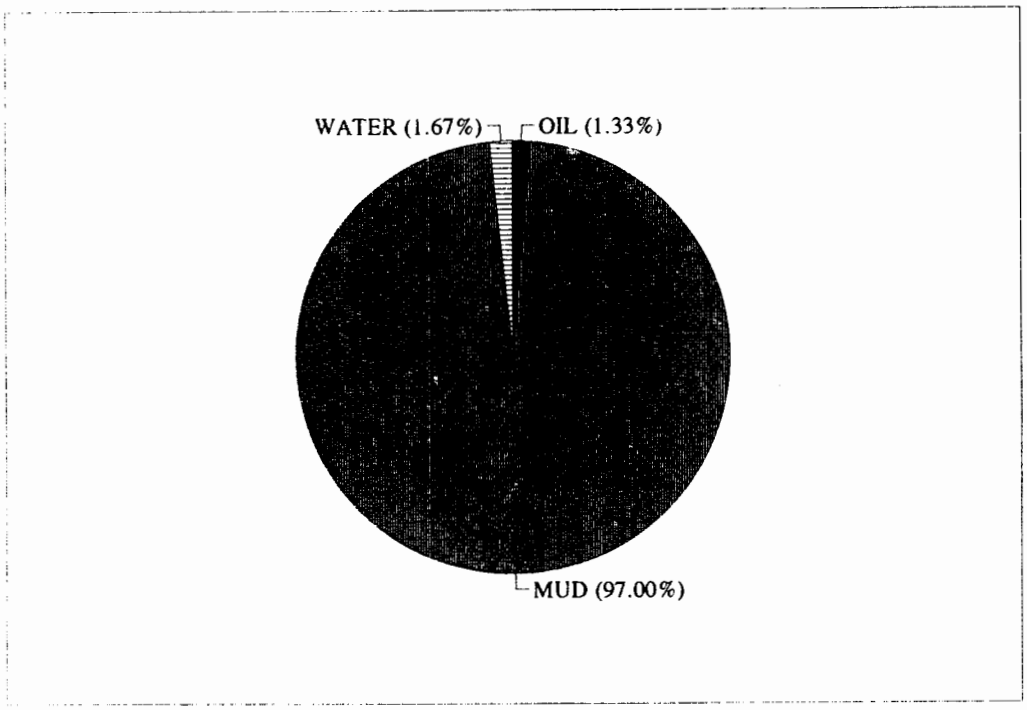
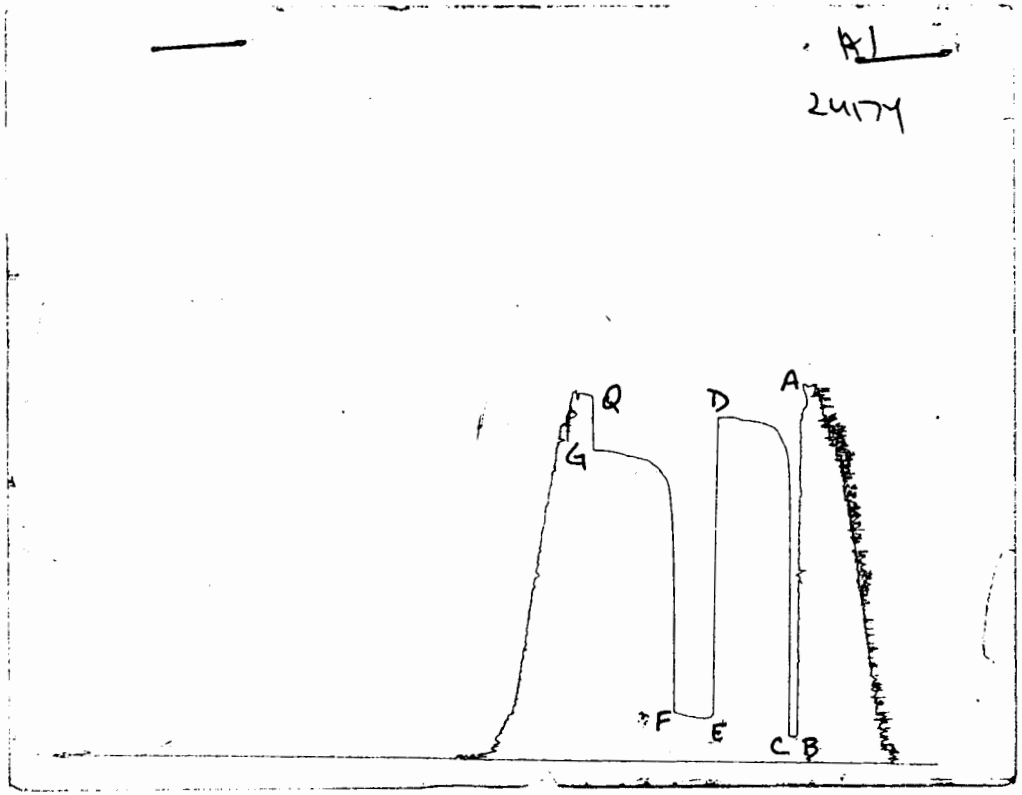


CHART PAGE



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

*** TOOL DIAGRAM *** CONV

ELL NAME: Bowman Trust #A-3

OCATION : 3-10S-12W, Osborne Cty KS

ICKET No. 9428 D.S.T. No. 4 DATE 08/14/96

OTAL TOOL TO BOTTOM OF TOP PACKERS 20

NTERVAL TOOL .....

OTTOM PACKERS AND ANCHOR 17

OTAL TOOL 37

RILL COLLAR ANCHOR IN INTERVAL .....

.C. ANCHOR STND.Stands Single Total

.P. ANCHOR STND.Stands Single Total

OTAL ASSEMBLY 37

).C. ABOVE TOOLS.Stands Single Total

).P. ABOVE TOOLS.Stands50 Single Total 3090

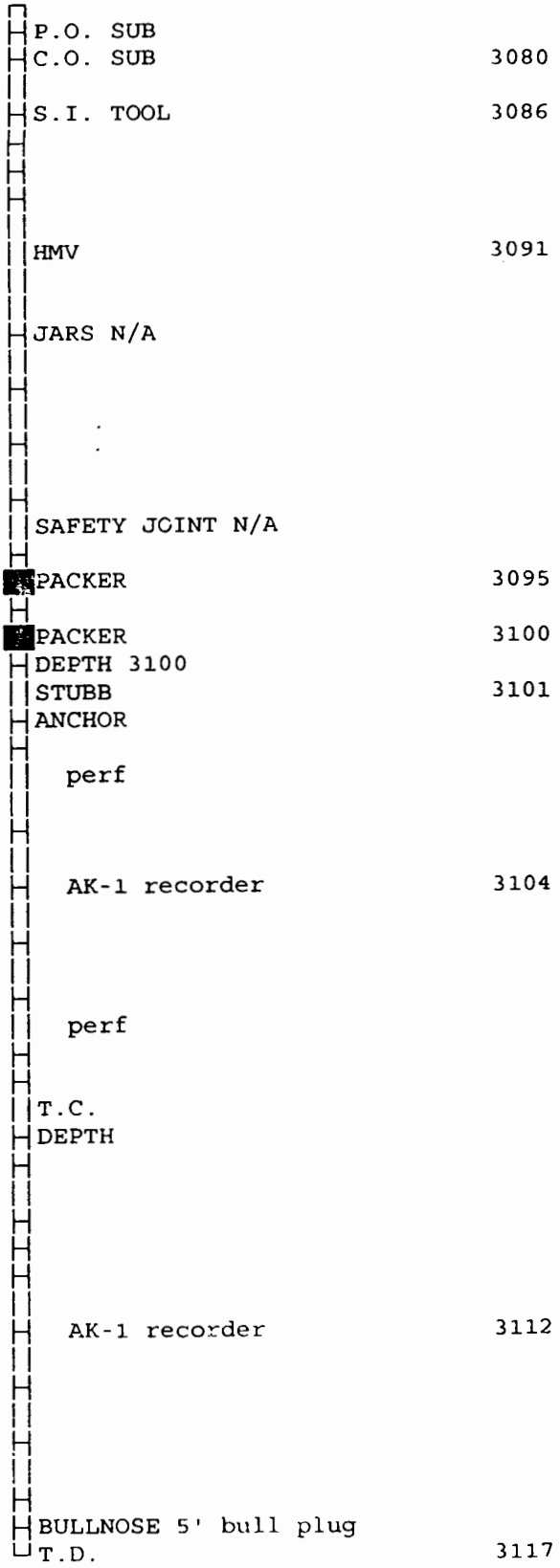
OTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3127

OTAL DEPTH 3117

OTAL DRILL PIPE ABOVE K.B. 10

EMARKS:

*Shutin pressures invalid due to supercharged zone.



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 9428

Well Name & No. Bowman Trust A-3 Test No. 4 Date 8-14-96

Company Shields Oil Produces Zone Tested Lansing C

Address Shields Bldg Russell Ks 67665 Elevation 1820 KB 1815 GL

Co. Rep / Geo. Frances Wheeler Cont. Shields Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 3 Twp. 10s Rge. 12w Co. Osborne State Ks

No. of Copies ____ Distribution Sheet (Y, N) ____ Turnkey (Y, N) ____ Evaluation (Y, N) ____

Interval Tested 3100-3117 Initial Str Wt./Lbs. 42,000 Unseated Str Wt./Lbs. 45,000

Anchor Length 17 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 60,000

Top Packer Depth 3095 Tool Weight 1600

Bottom Packer Depth 3100 Hole Size — 7 7/8" ____ Rubber Size — 6 3/4" ____

Total Depth 3117 Wt. Pipe Run — Drill Collar Run —

Mud Wt. 8.9 LCM ____ Vis. 50 WL 10.4 Drill Pipe Size 4½ FH Ft. Run 3090

Blow Description strong blow - bottom of bucket in 1 minute, losing mud during initial flow & shut-in

FS- 1" blow building to bottom of bucket in 11 minutes

Recovery — Total Feet 360 GIP ____ Ft. in DC ____ Ft. in DP ____

Rec. 240	Feet Of heavy mud	%gas	%oil	%water	%mud
Rec. 60	Feet Of oil & water cut mud	%gas	3 %oil	5 %water	92 %mud
Rec. 60	Feet Of " " "	%gas	5 %oil	5 %water	90 %mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud

BHT 94 °F Gravity ____ °API D@ ____ °F Corrected Gravity ____ °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides ____ ppm System

(A) Initial Hydrostatic Mud	1485 PSI	Recorder No.	24174	T-Started	0121
(B) First Initial Flow Pressure	97 PSI	(depth)	3104	T-Open	0218
(C) First Final Flow Pressure	104 PSI	Recorder No.	10992	T-Pulled	0453
(D) Initial Shut-in Pressure	1318 - invalid PSI	(depth)	3112	T-Out	0614
(E) Second Initial Flow Pressure	164 PSI	Recorder No.	____		
(F) Second Final Flow Pressure	194 PSI	(depth)	____		
(G) Final Shut-in Pressure	1220 PSI	Initial Opening	5	Test	600
(H) Final Hydrostatic Mud	1454 PSI	Initial Shut-in	60	Jars	____
		Final Flow	30	Safety Joint	____
		Final Shut-in	60	Straddle	____
				Circ. Sub	____
		50 std,		Sampler	____
				Extra Packer	____
				Elect. Rec.	____
				Other	____
				TOTAL PRICE $	600

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By F Wheeler

Our Representative Paul Simpson

5