

**WELL NAME:** Tillitson #1  
**COMPANY:** Ash-Bie Oil Co.  
**LOCATION:** Sec. 33 Twp. 16s Rge. 25w  
Ness County Kansas  
**DATE:** 10-15-96

TRILOBITE TESTING L.L.C.

OPERATOR : Ash-Bie Oil Co.  
 WELL NAME: Tillitson #1  
 LOCATION : 33-16s-25w Ness KS  
 INTERVAL : 4383.00 To 4413.00 ft

DATE 10-15-96  
 KB 2570.00 ft TICKET NO: 9732 DST #1  
 GR 2565.00 ft FORMATION: Fort Scott  
 TD 4413.00 ft TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	13249	13249	13754			PF Fr. 1818 to 1848 hr
SI 30	Range(Psi )	4500.0	4500.0	4000.0	0.0	0.0	IS Fr. 1848 to 1918 hr
SF 30	Clock(hrs)	12	12	12			SF Fr. 1918 to 1948 hr
FS 30	Depth(ft )	4410.0	4410.0	4388.0	0.0	0.0	FS Fr. 1948 to 2018 hr

	Field	1	2	3	4	
A. Init Hydro	2334.0	2333.0	0.0	0.0	0.0	T STARTED 1700 hr
B. First Flow	56.0	44.0	0.0	0.0	0.0	T ON BOTM 1816 hr
B1. Final Flow	56.0	44.0	0.0	0.0	0.0	T OPEN 1818 hr
C. In Shut-in	79.0	64.0	0.0	0.0	0.0	T PULLED 2018 hr
D. Init Flow	56.0	44.0	0.0	0.0	0.0	T OUT 2150 hr
E. Final Flow	56.0	44.0	0.0	0.0	0.0	
F. Fl Shut-in	56.0	44.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2254.0	2302.0	0.0	0.0	0.0	Tool Wt. 1000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 0.00 lbs
						Initial Str Wt 41000.00 lbs
						Unseated Str Wt 41000.00 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 4376.00 ft
						H.W. I.D 2.70 in

RECOVERY

Tot Fluid 1.00 ft of 0.00 ft in DC and 1.00 ft in DP  
 1.00 ft of Drilling Mud with few oil specs  
 0.00 ft of  
 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 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

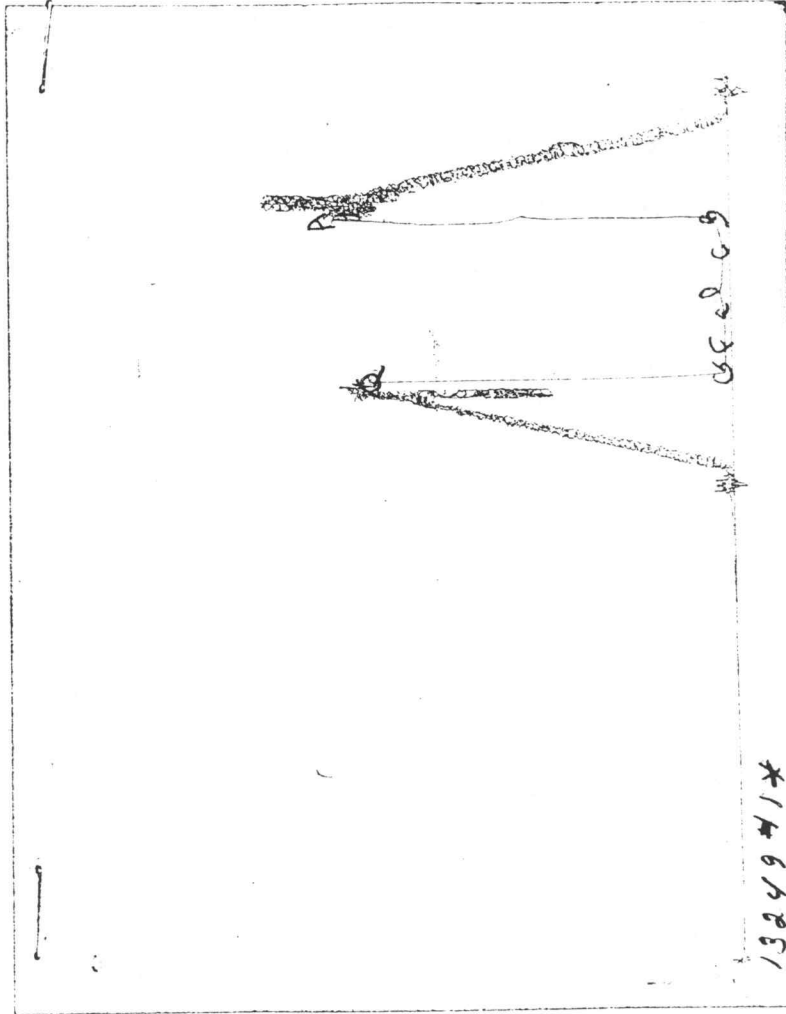
Initial Flow -  
 Weak - died in 7 mins.  
 Final Flow -  
 No Blow

MUD DATA-----  
 Mud Type Chem  
 Weight 9.20 lb/cf  
 Vis. 56.00 S/L  
 W.L. 11.20 in3  
 F.C. 0.00 in  
 Mud Drop  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 1160.00 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 Dan Bangle  
 Co. Rep. Todd Morgenstern  
 Contr. L.D. Drilling  
 Rig # 1  
 Unit #  
 Pump T.

SAMPLES:  
 SENT TO:

Test Successful: Y

CHART PAGE



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

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 9732

Well Name & No. <u>Tillitson #1</u>	Test No. <u>1</u>	Date <u>10-15-96</u>
Company <u>Ash-Bie Oil Co.</u>	Zone Tested <u>FORT SCOTT</u>	
Address <u>P.O. Box 194, Ellis, Ks. 67637</u>	Elevation <u>2570</u> KB <u>2565</u> GL	
Co. Rep / Geo. <u>Todd Morgenstern</u> Cont. <u>L D Dalg</u>	Est. Ft. of Pay _____	Por. _____ %
Location: Sec. <u>33</u> Twp. <u>16</u> Rge. <u>25<sup>E</sup></u>	Co. <u>W 255</u> State <u>Ks.</u>	
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____
		Evaluation (Y, N) _____

Interval Tested 4383 - 4413 Initial Str Wt./Lbs. 41,000 Unseated Str Wt./Lbs. 41,000  
 Anchor Length 30 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. \_\_\_\_\_  
 Top Packer Depth 4378 Tool Weight 1000  
 Bottom Packer Depth 4383 Hole Size — 7 7/8" Rubber Size — 6 3/4"  
 Total Depth 4413 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run \_\_\_\_\_  
 Mud Wt. 9.2 LCM 1/2# Vis. 56 WL 11.2 Drill Pipe Size 4.5 XH Ft. Run 4376  
 Blow Description I.F. Weak - Died in 7 min.

F.F. No blow

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
<u>1</u>			<u>1</u>				
Rec. <u>1</u> Feet Of <u>D.M. w/few oil spots</u>							
Rec. _____ Feet Of _____							
Rec. _____ Feet Of _____							
Rec. _____ Feet Of _____							
Rec. _____ Feet Of _____							

BHT 116 °F Gravity \_\_\_\_\_ °API D@ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 3200 ppm System

- (A) Initial Hydrostatic Mud 2334 PSI Recorder No. 13754 T-Started 17:00
  - (B) First Initial Flow Pressure 56 PSI (depth) 4388 T-Open 18:18
  - (C) First Final Flow Pressure 56 PSI Recorder No. 13249 T-Pulled 20:18
  - (D) Initial Shut-in Pressure 79 PSI (depth) 4410 T-Out 21:50
  - (E) Second Initial Flow Pressure 56 PSI Recorder No. \_\_\_\_\_
  - (F) Second Final Flow Pressure 56 PSI (depth) \_\_\_\_\_
  - (G) Final Shut-in Pressure 56 PSI Initial Opening 30 Test 600
  - (H) Final Hydrostatic Mud 2254 PSI Initial Shut-in 30 Jars \_\_\_\_\_
- Final Flow 30 Safety Joint \_\_\_\_\_  
 Final Shut-in 30 Straddle \_\_\_\_\_  
 \_\_\_\_\_ Circ. Sub \_\_\_\_\_  
71 STDs Sampler \_\_\_\_\_

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 \_\_\_\_\_

Our Representative Dan Bangle

Elect. Rec. \_\_\_\_\_

Other \_\_\_\_\_

TOTAL PRICE \$ 6000

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TRILOBITE TESTING L.L.C.

OPERATOR : Ash-Bie Oil Co. DATE 10-16-96  
 WELL NAME: Tillitson #1 KB 2570.00 ft TICKET NO: 9733 DST #2  
 LOCATION : 33-16s-25w Ness KS GR 2565.00 ft FORMATION: Mississippian  
 INTERVAL : 4505.00 To 4525.00 ft TD 4525.00 ft TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	13249	13249	13754			PF Fr. 1600 to 1630 hr
SI 30	Range(Psi )	4500.0	4500.0	4000.0	0.0	0.0	IS Fr. 1630 to 1700 hr
SF 30	Clock(hrs)	12	12	12			SF Fr. 1700 to 1730 hr
FS 30	Depth(ft )	4522.0	4522.0	4510.0	0.0	0.0	FS Fr. 1730 to 1800 hr

	Field	1	2	3	4	
A. Init Hydro	2368.0	2378.0	0.0	0.0	0.0	T STARTED 1500 hr
B. First Flow	33.0	35.0	0.0	0.0	0.0	T ON BOTM 1558 hr
B1. Final Flow	33.0	35.0	0.0	0.0	0.0	T OPEN 1600 hr
C. In Shut-in	45.0	43.0	0.0	0.0	0.0	T PULLED 1800 hr
D. Init Flow	33.0	33.0	0.0	0.0	0.0	T OUT 1940 hr
E. Final Flow	33.0	33.0	0.0	0.0	0.0	
F. Fl Shut-in	45.0	39.0	0.0	0.0	0.0	
G. Final Hydro	2254.0	2262.0	0.0	0.0	0.0	
Inside/Outside	0	0	I			

RECOVERY

Tot Fluid 2.00 ft of 0.00 ft in DC and 2.00 ft in DP  
 2.00 ft of Drilling 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  
 0.00 ft of

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

BLOW DESCRIPTION

Initial Flow -  
 Weak - Died in 6 min.

Final Flow -  
 No Blow

SAMPLES:  
 SENT TO:

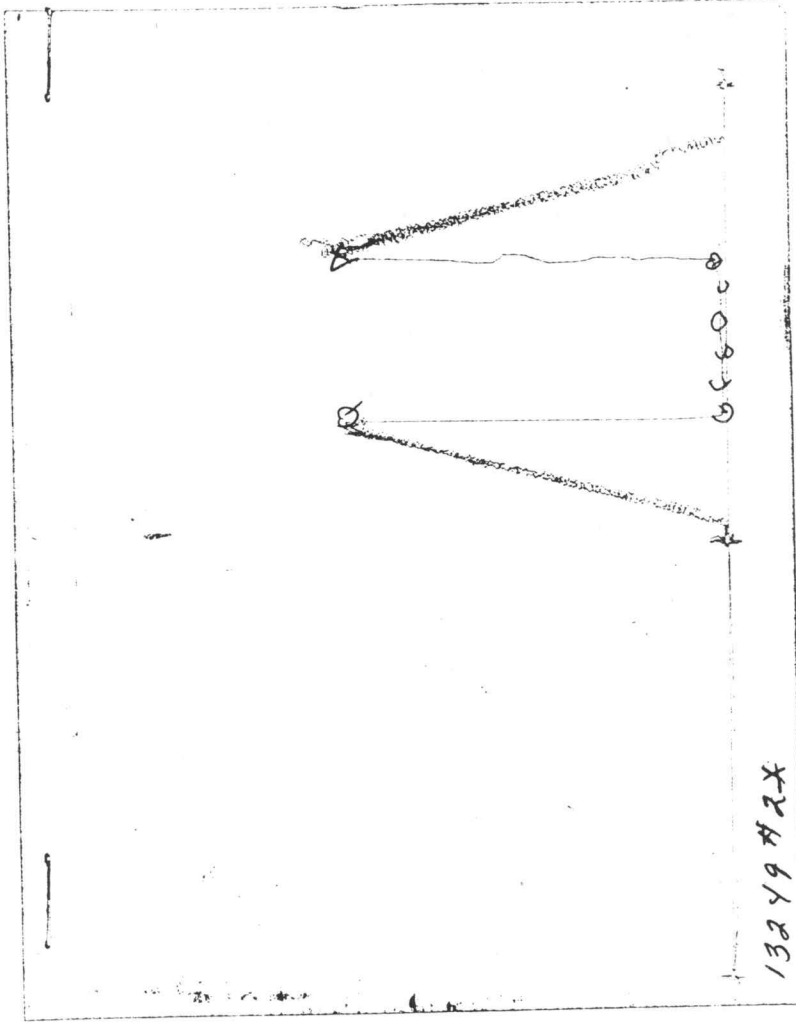
TOOL DATA-----  
 Tool Wt. 1000.00 lbs  
 Wt Set On Packer 2000.00 lbs  
 Wt Pulled Loose 60000.00 lbs  
 Initial Str Wt 42000.00 lbs  
 Unseated Str Wt 42000.00 lbs  
 Bot Choke 0.75 in  
 Hole Size 7.88 in  
 D Col. ID 2.25 in  
 D. Pipe ID 3.80 in  
 D.C. Length 0.00 ft  
 D.P. Length 4510.00 ft  
 H.W. I.D 2.70 in

MUD DATA-----  
 Mud Type chem  
 Weight 9.20 lb/cf  
 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. 1180.00 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 Dan Bangle  
 Co. Rep. Todd Morgenstern  
 Contr. L.D. Drilling  
 Rig # 1  
 Unit #  
 Pump T.

Test Successful: Y

CHART PAGE



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

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 9733

Well Name & No. <u>Tillitson #1</u>	Test No. <u>2</u>	Date <u>10-16-96</u>
Company <u>Ash-Bie Oil Co.</u>	Zone Tested <u>Miss</u>	
Address _____	Elevation <u>2570</u> KB <u>2565</u> GL	
Co. Rep / Geo. <u>Todd Morganstern</u> Cont. <u>LD Drlg</u>	Est. Ft. of Pay _____	Por. _____ %
Location: Sec. <u>33</u> Twp. <u>16</u> Rge. <u>25</u>	Co. <u>Miss</u> State <u>Ks</u>	
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____
	Evaluation (Y, N) _____	

Interval Tested 4505 - 4525 Initial Str Wt./Lbs. 42,000 Unseated Str Wt./Lbs. 42,000  
Anchor Length 20' Wt. Set Lbs. 2000 Wt. Pulled Loose/Lbs. 60,000  
Top Packer Depth 4500 Tool Weight 1000  
Bottom Packer Depth 4505 Hole Size — 7 7/8" Rubber Size — 6 3/4"  
Total Depth 4525 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run \_\_\_\_\_  
Mud Wt. 9.2 LCM To Vis. 50 WL 10.4 Drill Pipe Size 4.5XH Ft. Run 4510  
Blow Description I.F. Weak - Died in 6 min.

F.F. No blow

Recovery — Total Feet <u>2</u>	GIP _____	Ft. in DC _____	Ft. in DP _____
Rec. <u>2</u> Feet Of <u>D.M.</u>	%gas _____	%oil _____	%water _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____

BHT 118 °F Gravity \_\_\_\_\_ °API D@ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 3,000 ppm System

(A) Initial Hydrostatic Mud 2368 PSI Recorder No. 13754 T-Started 15:00  
(B) First Initial Flow Pressure 33 PSI (depth) 4510 T-Open 16:00  
(C) First Final Flow Pressure 33 PSI Recorder No. 13249 T-Pulled 18:00  
(D) Initial Shut-in Pressure 45 PSI (depth) 4522 T-Out 19:40  
(E) Second Initial Flow Pressure 33 PSI Recorder No. \_\_\_\_\_  
(F) Second Final Flow Pressure 33 PSI (depth) \_\_\_\_\_  
(G) Final Shut-in Pressure 45 PSI Initial Opening 30 Test 600  
(H) Final Hydrostatic Mud 2254 PSI Initial Shut-in 30 Jars \_\_\_\_\_  
Final Flow 30 Safety Joint \_\_\_\_\_  
Final Shut-in 30 Straddle \_\_\_\_\_

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Approved By \_\_\_\_\_

Our Representative Jan Bangle

23 STDs  
Sampler \_\_\_\_\_  
Extra Packer \_\_\_\_\_  
Elect. Rec. \_\_\_\_\_  
Other \_\_\_\_\_  
TOTAL PRICE \$ 600