

WELL NAME: Ellsasser #4
COMPANY: Bennett & Schulte Oil Company
LOCATION: 23-12S-15W
Russell County Kansas
DATE: 07/03/96

TRILOBITE TESTING L.L.C.

OPERATOR : Bennett & Schulte Oil Co
WELL NAME: Ellsasser #4
LOCATION : 23-12S-15W Russell Cty KS
INTERVAL : 3234.00 To 3250.00 ft

DATE 07/03/96
KB 1785.00 ft TICKET NO: 9416 DST #1
GR 1780.00 ft FORMATION: Arbuckle
TD 3250.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	24174	24174	10992			PF Fr. 0527 to 0557 hr
SI 30 Range(Psi)	3050.0	3050.0	4250.0	0.0	0.0	IS Fr. 0557 to 0627 hr
SF 30 Clock(hrs)	12	12	12			SF Fr. 0627 to 0657 hr
FS 60 Depth(ft)	3237.0	3237.0	3245.0	0.0	0.0	FS Fr. 0657 to 0757 hr

	Field	1	2	3	4	
A. Init Hydro	1674.0	1684.0	0.0	0.0	0.0	T STARTED 0405 hr
B. First Flow	15.0	15.0	0.0	0.0	0.0	T ON BOTM 0525 hr
Bl. Final Flow	22.0	19.0	0.0	0.0	0.0	T OPEN 0527 hr
C. In Shut-in	858.0	870.0	0.0	0.0	0.0	T PULLED 0757 hr
D. Init Flow	22.0	34.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	22.0	34.0	0.0	0.0	0.0	
F. Fl Shut-in	812.0	836.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1666.0	1653.0	0.0	0.0	0.0	Tool Wt. 1500.00 lb
Inside/Outside	I	I	O			Wt Set On Packer 20000.00 lb
						Wt Pulled Loose 60000.00 lb
						Initial Str Wt 30000.00 lb
						Unseated Str Wt 32000.00 lb
						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 30.00 ft
						D.P. Length 3242.00 ft

RECOVERY

Tot Fluid 40.00 ft of 30.00 ft in DC and 10.00 ft in DP
20.00 ft of Slightly oil cut mud - 10% oil, 90% mud
20.00 ft of Mud cut oil - 60% oil, 40% mud

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

BLOW DESCRIPTION

Initial Flow -
Weak .5" blow building to 1"

Final Flow -
Very weak surface blow building to .25"

SAMPLES:
SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb
Vis.	58.00 S/
W.L.	10.40 in
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	96.00 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.	Dave Shumaker
Contr.	VonFeldt
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

CALCULATED RECOVERY ANALYSIS

DST 1

TICKE 9416

SAMPLE #	TOTAL FEET	GAS %	FEET	OIL %	FEET	WATER %	FEET	MUD %	FEET
DRILL	1	10	0	10	1	0	90	9	
PIPE	2		0		0	0		0	
	3		0		0	0		0	
	4		0		0	0		0	
	5		0		0	0		0	
	6		0		0	0		0	
WEIGHT	1		0		0	0		0	
PIPE	2		0		0	0		0	
	3		0		0	0		0	
	4		0		0	0		0	
DRILL	1	10	0	10	1	0	90	9	
COLLAR	2	20	0	60	12	0	40	8	
	3		0		0	0		0	
	4		0		0	0		0	
	5		0		0	0		0	
TOTAL		40	0		14	0		26	

BBL OIL = 0.07779 * HRS OPEN 1 = BBL/DAY 1.86696
 BBL WATER 0 * = 0
 BBL MUD = 0.21111
 BBL GAS = 0

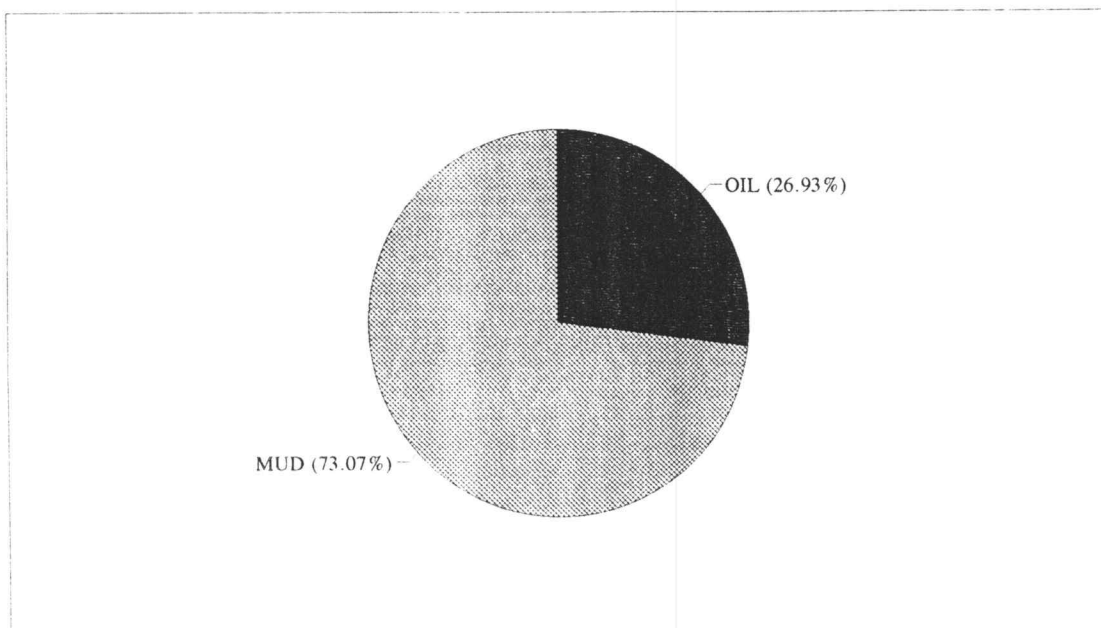
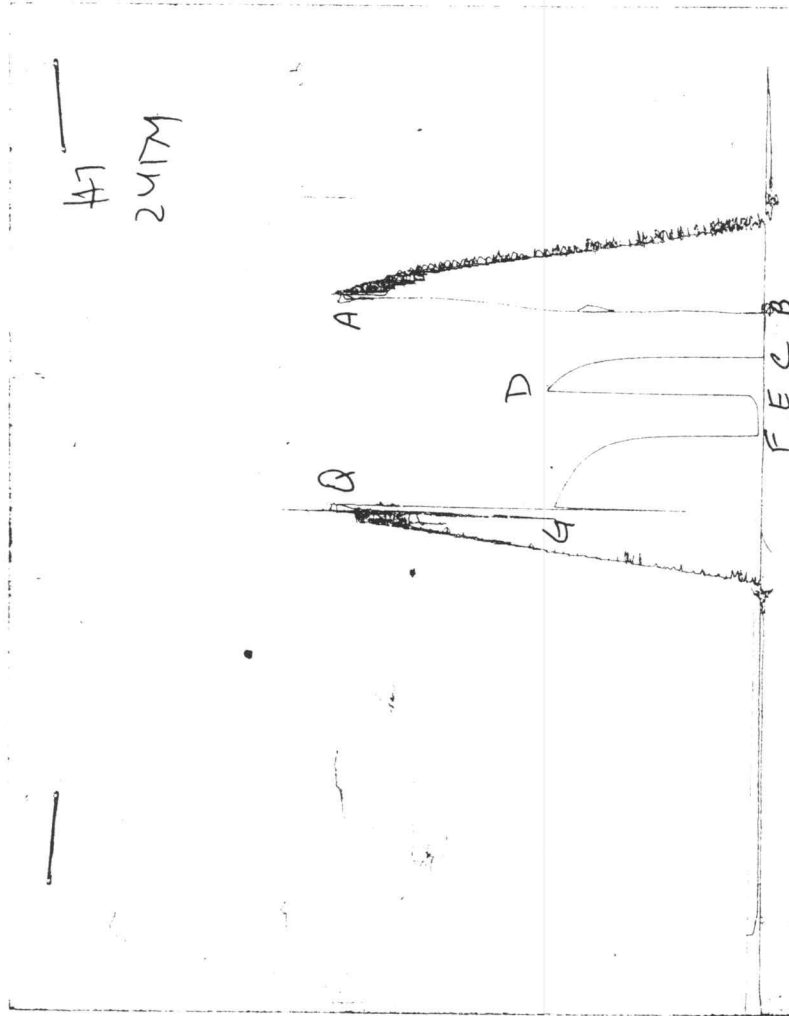


CHART PAGE



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 9416

Well Name & No. <u>Ellsasser #4</u>	Test No. <u>1</u>	Date <u>7-3-96</u>
Company <u>Bennett & Schulte Oil Company</u>	Zone Tested <u>Arbuckle</u>	
Address <u>Box 329 Russell Ks 67665</u>	Elevation <u>1785</u>	KB <u>1780</u> GL
Co. Rep / Geo. <u>Dave Schumaker</u>	Cont. <u>Donfeldt #1</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>23</u> Twp. <u>12s</u> Rge. <u>15w</u>	Co. <u>Russell</u>	State <u>Ks</u>
No. of Copies <u> </u>	Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested <u>3234-3250</u>	Initial Str Wt./Lbs. <u>30,000</u>	Unseated Str Wt./Lbs. <u>32,000</u>
Anchor Length <u>16</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>60,000</u>
Top Packer Depth <u>3229</u>	Tool Weight <u>1500</u>	
Bottom Packer Depth <u>3234</u>	Hole Size — 7 7/8" <u> </u>	Rubber Size — 6 3/4" <u> </u>
Total Depth <u>3250</u>	Wt. Pipe Run <u> </u>	Drill Collar Run <u>30</u>
Mud Wt. <u>9.3</u> LCM <u> </u> Vis. <u>58</u> WL <u>10.4</u>	Drill Pipe Size <u>4 1/2 x 4</u>	Ft. Run <u>3242</u>
Blow Description <u>Week 1/2" blow building to 1"</u>		
<u>88- 1 week surface blow building to 2"</u>		

Recovery — Total Feet <u>40</u>	GIP <u> </u>	Ft. in DC <u>30</u>	Ft. in DP <u>10</u>
Rec. <u>20</u> Feet Of <u>SOCM</u>	%gas <u>10</u> %oil <u> </u> %water <u>90</u> %mud <u> </u>		
Rec. <u>20</u> Feet Of <u>MCO</u>	%gas <u>60</u> %oil <u> </u> %water <u>40</u> %mud <u> </u>		
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
Rec. <u>96</u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
BHT <u>96</u> °F Gravity <u> </u>	°API D@ <u> </u>	°F Corrected Gravity <u> </u>	°API <u> </u>
RW <u> </u> @ <u> </u> °F Chlorides <u> </u>	ppm Recovery <u> </u>	Chlorides <u> </u>	ppm System <u> </u>
(A) Initial Hydrostatic Mud <u>1674</u>	PSI Recorder No. <u>24174</u>	T-Started <u>0405</u>	
(B) First Initial Flow Pressure <u>15</u>	PSI (depth) <u>3237</u>	T-Open <u>0527</u>	
(C) First Final Flow Pressure <u>22</u>	PSI Recorder No. <u>10992</u>	T-Pulled <u>0757</u>	
(D) Initial Shut-in Pressure <u>858</u>	PSI (depth) <u>3245</u>	T-Out <u> </u>	
(E) Second Initial Flow Pressure <u>22</u>	PSI Recorder No. <u> </u>		
(F) Second Final Flow Pressure <u>22</u>	PSI (depth) <u> </u>		
(G) Final Shut-in Pressure <u>812</u>	PSI Initial Opening <u>30</u>	Test <u>600</u>	
(H) Final Hydrostatic Mud <u>1666</u>	PSI Initial Shut-in <u>30</u>	Jars <u> </u>	
	Final Flow <u>30</u>	Safety Joint <u> </u>	
	Final Shut-in <u>60</u>	Straddle <u> </u>	
		Circ. Sub <u> </u>	
		Sampler <u> </u>	
		Extra Packer <u> </u>	
		Elect. Rec. <u> </u>	
		Other <u> </u>	
		TOTAL PRICE \$ <u>600</u>	

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Approved By [Signature]
Our Representative Paul Simpson

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