

WELL NAME:

A.C. Rogg #6

COMPANY:

Bennett & Schulte Oil Co

LOCATION:

35-14S-13W

Russell County Kansas

DATE:

06/23/97

TRILOBITE TESTING L.L.C.

OPERATOR : Bennett & Schulte Oil Co
WELL NAME: A.C. Rogg #6
LOCATION : 35-14S-13W Russell KS
INTERVAL : 2846.00 To 2858.00 ft

DATE 6/20/97
KB 1695.00 ft TICKET NO: 10168 DST #1
GR 1690.00 ft FORMATION: Lansing KS 'C'
TD 2858.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13754	13754	13249			PF Fr. 1800 to 1830 hr
SI 30 Range(Psi)	4000.0	4000.0	4500.0	0.0	0.0	IS Fr. 1830 to 1900 hr
SF 30 Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 1900 to 1930 hr
FS 30 Depth(ft)	2849.0	2849.0	2855.0	0.0	0.0	FS Fr. 1930 to 2000 hr

	Field	1	2	3	4	
A. Init Hydro	1456.0	1484.0	0.0	0.0	0.0	T STARTED 1700 hr
B. First Flow	59.0	61.0	0.0	0.0	0.0	T ON BOTM 1750 hr
B1. Final Flow	59.0	61.0	0.0	0.0	0.0	T OPEN 1800 hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED 2000 hr
D. Init Flow	59.0	61.0	0.0	0.0	0.0	T OUT 2115 hr
E. Final Flow	59.0	61.0	0.0	0.0	0.0	
F. Fl Shut-in	167.0	163.0	0.0	0.0	0.0	
G. Final Hydro	1426.0	1430.0	0.0	0.0	0.0	
Inside/Outside	I	I	O			

RECOVERY

Tot Fluid 62.00 ft of 62.00 ft in DC and 0.00 ft in DP
62.00 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:
Slid tool 6' to bottom - weak 1" blow
Decreasing to No blow in 25 mins

Final Flow:

No blow, Flushed tool, No help
Plugging throughout test

SAMPLES:

SENT TO:

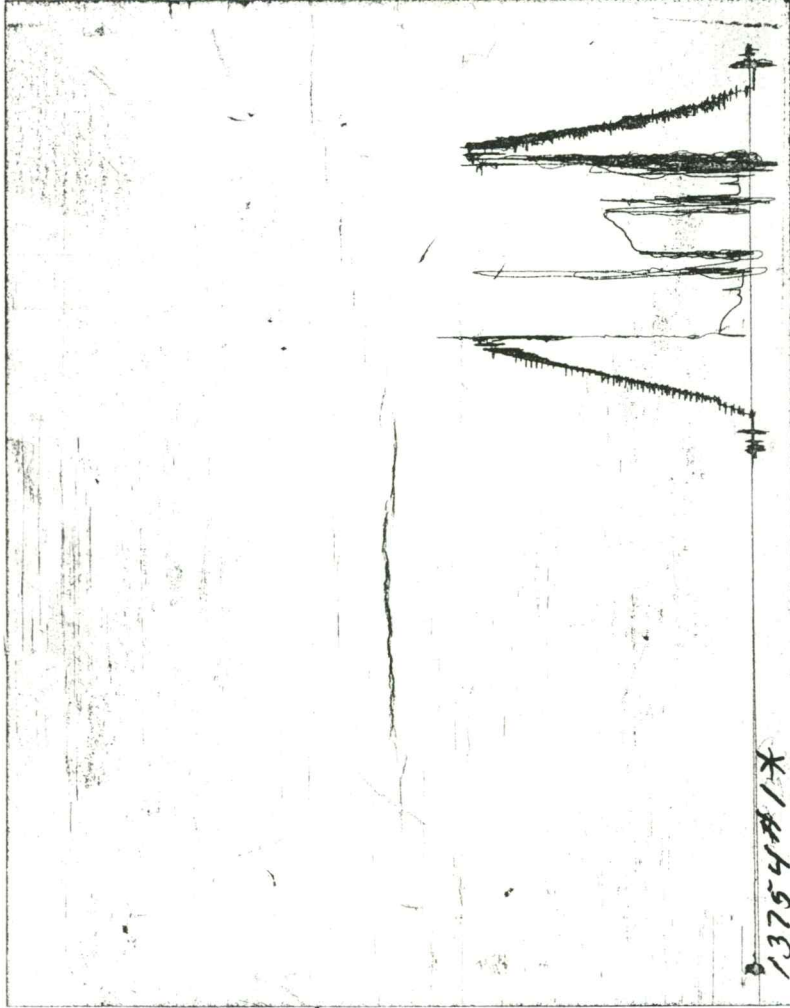
MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	40.00 S/L
W.L.	12.00 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	100.00 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.	David M Shumaker
Contr.	VonFeldt Drilg
Rig #	
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 10168

Well Name & No.	<u>A.C. Rogg #6</u>	Test No.	<u>1</u>	Date	<u>6-20-97</u>
Company	<u>Bennett + Schulte Oil Co.</u>	Zone Tested	<u>C</u>	<u>L.K.C.</u>	
Address	<u>P.O. Box 329, Russell, Ks. 67665</u>	Elevation	<u>1695</u>	KB	<u>1690</u> GL
Co. Rep / Geo.	<u>David M. Shumaker</u>	cont.	<u>Vonfeldt Drllg</u>	Est. Ft. of Pay	<u> </u> Por. <u> </u> %
Location: Sec.	<u>35</u>	Twp.	<u>14</u>	Rge.	<u>13</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 2846 - 2858 Initial Str Wt./Lbs. 52,000 Unseated Str Wt./Lbs. 52,000
Anchor Length 12 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 80,000
Top Packer Depth 2841 Tool Weight 800
Bottom Packer Depth 2846 Hole Size — 7 7/8" Rubber Size — 6 3/4"
Total Depth 2858 Wt. Pipe Run Drill Collar Run 360
Mud Wt. 9.1 LCM Vis. 40 WL 12 Drill Pipe Size 4.5 X H Ft. Run 2466
Blow Description Slid tool 6' to bottom - weak 1" blow
decreasing to no blow in 25 min.
F.F. No blow - flushed tool - No help.

Plugging T/O TEST
Recovery — Total Feet 62 GIP Ft. in DC 62 Ft. in DP
Rec. 62 Feet Of D.M. %gas %oil %water %mud
Rec. Feet Of %gas %oil %water %mud
Rec. Feet Of %gas %oil %water %mud
Rec. Feet Of %gas %oil %water %mud
Rec. Feet Of %gas %oil %water %mud

BHT 100 °F Gravity °API D@ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud 1456 PSI Recorder No. 13754 T-Started 17:00
(B) First Initial Flow Pressure 59 PSI (depth) 2849 T-Open 18:00
(C) First Final Flow Pressure 59 PSI Recorder No. 13249 T-Pulled 20:00
(D) Initial Shut-in Pressure PSI (depth) 2855 T-Out 21:15
(E) Second Initial Flow Pressure 59 PSI Recorder No.
(F) Second Final Flow Pressure 59 PSI (depth)
(G) Final Shut-in Pressure 167 PSI Initial Opening 30 Test 600
(H) Final Hydrostatic Mud 1426 PSI Initial Shut-in 30 Jars

Final Flow 30 Safety Joint

Final Shut-in 30 Straddle

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 David Shumaker

Circ. Sub
Sampler
Extra Packer
Elect. Rec.
Other 600

TRILOBITE TESTING L.L.C.

OPERATOR : Bennet & Schulte Oil Co
WELL NAME: A.C. Rogg #6
LOCATION : 35-14-13 Russell KS
INTERVAL : 3085.00 To 3120.00 ft

DATE 6-21-97
KB 1695.00 ft TICKET NO: 10169 DST #2
GR 1690.00 ft FORMATION: Sand
TD 3120.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13754	13754	13249			PF Fr. 1800 to 1830 hr
SI 30 Range(Psi)	4000.0	4000.0	4500.0	0.0	0.0	IS Fr. 1830 to 1900 hr
SF 30 Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 1900 to 1930 hr
FS 30 Depth(ft)	3088.0	3088.0	3117.0	0.0	0.0	FS Fr. 1930 to 2000 hr

	Field	1	2	3	4	
A. Init Hydro	1486.0	1587.0	0.0	0.0	0.0	T STARTED 1700 hr
B. First Flow	29.0	44.0	0.0	0.0	0.0	T ON BOTM 1750 hr
Bl. Final Flow	68.0	81.0	0.0	0.0	0.0	T OPEN 1800 hr
C. In Shut-in	660.0	680.0	0.0	0.0	0.0	T PULLED 2000 hr
D. Init Flow	98.0	113.0	0.0	0.0	0.0	T OUT 2100 hr
E. Final Flow	118.0	141.0	0.0	0.0	0.0	
F. Fl Shut-in	620.0	631.0	0.0	0.0	0.0	
G. Final Hydro	1466.0	1544.0	0.0	0.0	0.0	
Inside/Outside	I	I	O			

RECOVERY

Tot Fluid 300.00 ft of 300.00 ft in DC and 0.00 ft in DP
300.00 ft of Muddy Water
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 blow, building to 12" fair blow

Final Flow:
Weak building to 2"

SAMPLES:
SENT TO:

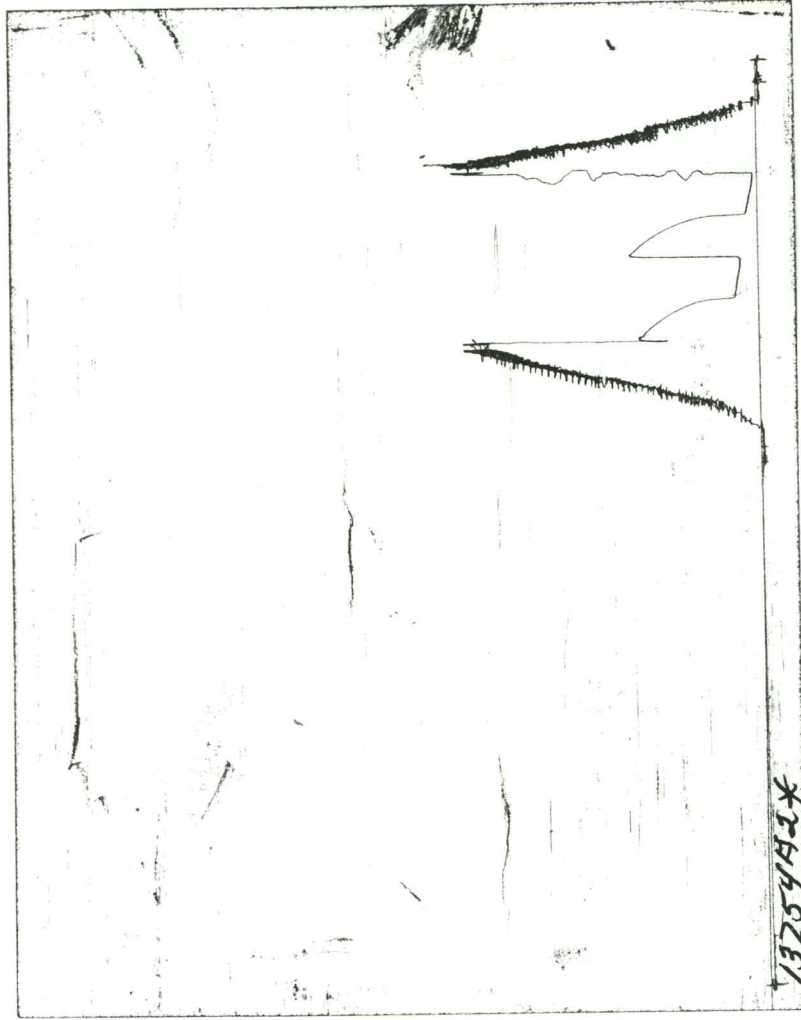
Test Successful: Y

TOOL DATA-----
Tool Wt. 1000.00 lbs
Wt Set On Packer 20000.00 lbs
Wt Pulled Loose 75000.00 lbs
Initial Str Wt 54000.00 lbs
Unseated Str Wt 55000.00 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 360.00 ft
D.P. Length 2705.00 ft

MUD DATA-----
Mud Type Chemical
Weight 9.30 lb/cf
Vis. 48.00 S/L
W.L. 8.00 in3
F.C. 0.00 in
Mud Drop

Amt. of fill 0.00 ft
Btm. H. Temp. 110.00 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. David M Shumaker
Contr. VonFeldt Drlg
Rig #
Unit #
Pump T.

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 10169

Well Name & No.	<u>A.C. Rogg #6</u>	Test No.	<u>2</u>	Date	<u>6-21-97</u>
Company	<u>Bennett + Schulte Oil Co.</u>	Zone Tested	<u>Sch</u>		
Address		Elevation	<u>1695</u>	KB	<u>1690</u> GL
Co. Rep / Geo.	<u>David M. Shumaker</u>	Cont.	<u>Vonfeldt Drlg.</u>	Est. Ft. of Pay	<u> </u> Por. <u> </u> %
Location: Sec.	<u>35</u>	Twp.	<u>14</u>	Rge.	<u>13</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>3085 - 3120</u>	Initial Str Wt./Lbs.	<u>54000</u>	Unseated Str Wt./Lbs.	<u>55000</u>
Anchor Length	<u>35</u>	Wt. Set Lbs.	<u>20000</u>	Wt. Pulled Loose/Lbs.	<u>75000</u>
Top Packer Depth	<u>3080</u>	Tool Weight	<u>1000</u>		
Bottom Packer Depth	<u>3085</u>	Hole Size — 7 7/8" —	<u> </u>	Rubber Size — 6 3/4" —	<u> </u>
Total Depth	<u>3120</u>	Wt. Pipe Run	<u> </u>	Drill Collar Run	<u>360</u>
Mud Wt.	<u>9.3</u> LCM <u>1#</u> Vis. <u>48</u> WL <u>8</u>	Drill Pipe Size	<u>4.5 XH</u>	Ft. Run	<u>2705</u>
Blow Description	<u>I.F. weak - building to 12" fair blow.</u>				

F.F. weak building to 2"

Recovery — Total Feet	<u>300</u>	GIP	<u> </u>	Ft. in DC	<u>300</u>	Ft. in DP	<u> </u>
Rec.	<u>300</u>	Feet Of	<u>mdy WTR.</u>	%gas	%oil	%water	%mud
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	%oil	%water	%mud
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	%oil	%water	%mud
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	%oil	%water	%mud
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	%oil	%water	%mud

BHT	<u>110</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>6000</u>	Chlorides	<u> </u> ppm System

(A) Initial Hydrostatic Mud	<u>1486</u>	PSI	Recorder No.	<u>13754</u>	T-Started	<u>17:00</u>
(B) First Initial Flow Pressure	<u>29</u>	PSI	(depth)	<u>3088</u>	T-Open	<u>18:00</u>
(C) First Final Flow Pressure	<u>68</u>	PSI	Recorder No.	<u>13249</u>	T-Pulled	<u>20:00</u>
(D) Initial Shut-in Pressure	<u>660</u>	PSI	(depth)	<u>3117</u>	T-Out	<u>21:00</u>
(E) Second Initial Flow Pressure	<u>98</u>	PSI	Recorder No.	<u> </u>		
(F) Second Final Flow Pressure	<u>118</u>	PSI	(depth)	<u> </u>		
(G) Final Shut-in Pressure	<u>620</u>	PSI	Initial Opening	<u>30</u>	Test	<u>1000</u>
(H) Final Hydrostatic Mud	<u>1466</u>	PSI	Initial Shut-in	<u>30</u>	Jars	<u> </u>

Final Flow	<u>30</u>	Safety Joint	<u> </u>
Final Shut-in	<u>30</u>	Straddle	<u> </u>

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 [Signature]

Circ. Sub	<u> </u>
Sampler	<u> </u>
Extra Packer	<u> </u>
Elect. Rec.	<u> </u>
Other	<u> </u>

TOTAL PRICE \$ 1000