

15-185-23023

30-21s-11w

**WELL NAME:** Duggan #1  
**OPERATOR:** Russell Oil, Inc  
**LOCATION:** Sec 30 Rge 21S Twp 11W  
Stafford County Kansas  
**DATE:** 04/13/96

TRILOBITE TESTING L.L.C.

OPERATOR : Russell Oil Inc  
 WELL NAME: Duggan #1  
 LOCATION : 30-21S-11W, Stafford KS  
 INTERVAL : 3200.00 To 3277.00 ft

DATE 04/13/96  
 KB 1797.00 ft  
 GR 1792.00 ft  
 TD 3277.00 ft

TICKET NO: 8953  
 FORMATION: Lansing  
 TEST TYPE: CONVENTIONAL

DST #1

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	13788	13788	10248			PF Fr. 1228 to 1258 hr
SI 30	Range(Psi )	4650.0	4650.0	4400.0	0.0	0.0	IS Fr. 1258 to 1328 hr
SF 30	Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 1328 to 1358 hr
FS 30	Depth(ft )	3274.0	3274.0	3268.0	0.0	0.0	FS Fr. 1358 to 1428 hr

	Field	1	2	3	4	
A. Init Hydro	1574.0	1552.0	0.0	0.0	0.0	T STARTED 115 hr
B. First Flow	39.0	40.0	0.0	0.0	0.0	T ON BOTM 1226 hr
B1. Final Flow	39.0	41.0	0.0	0.0	0.0	T OPEN 1228 hr
C. In Shut-in	69.0	63.0	0.0	0.0	0.0	T PULLED 1429 hr
D. Init Flow	41.0	49.0	0.0	0.0	0.0	T OUT 1605 hr
E. Final Flow	41.0	49.0	0.0	0.0	0.0	
F. Fl Shut-in	57.0	63.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1547.0	1537.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 60000.00 lbs
						Initial Str Wt 50000.00 lbs
						Unseated Str Wt 50000.00 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 2783.00 ft
						H.W. I.D 2.70 in
						H.W. Length 820.00 ft

RECOVERY

Tot Fluid 20.00 ft of 0.00 ft in DC and 0.00 ft in DP  
 20.00 ft of Mud with oil specks

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

BLOW DESCRIPTION

Initial Flow -  
 Weak blow, .25" - .5" decreasing

Final Flow -  
 No blow

MUD DATA-----

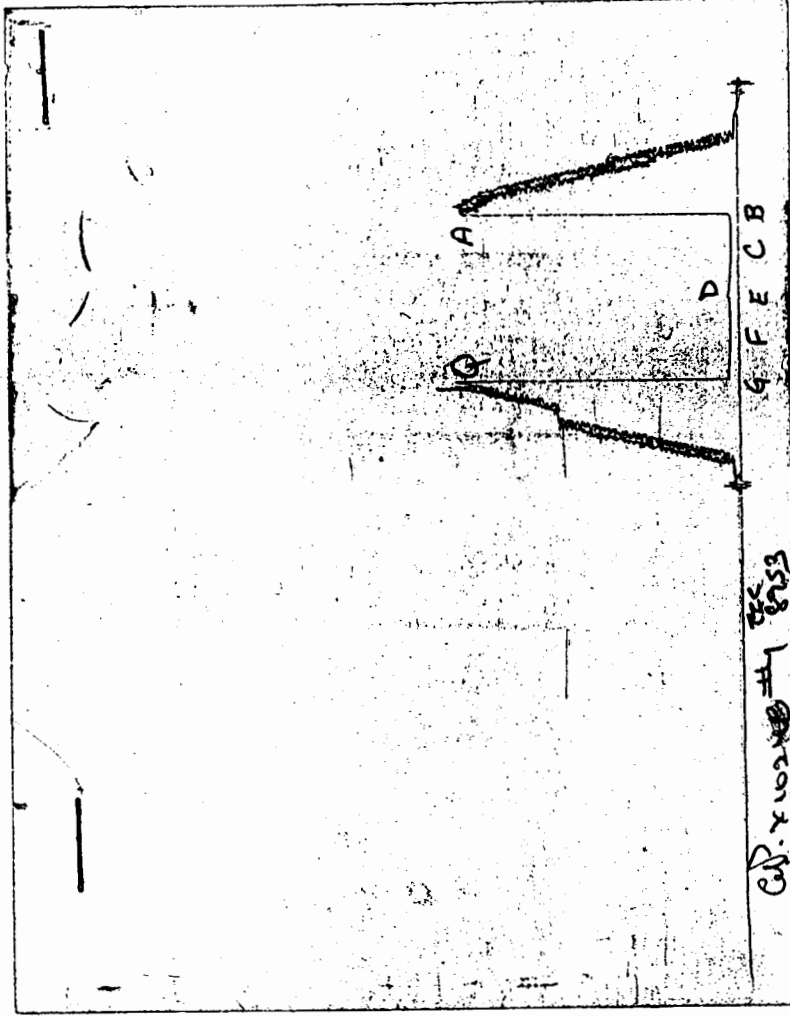
Mud Type	Chemical
Weight	8.90 lb/c
Vis.	45.00 S/L
W.L.	8.40 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	104.00 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	Gary Pevoteaux
Co. Rep.	Todd Morgenstern
Contr.	Shields
Rig #	
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

N<sup>o</sup> 8953

Well Name & No.	<u>DUGGAN #1</u>	Test No.	<u>1</u>	Date	<u>4-13-96</u>
Company	<u>Russell Oil Inc.</u>	Zone Tested	<u>LANS.</u>		
Address	<u>P.O. Box 272 Russell Ks. 67665</u>	Elevation	<u>1797</u> KB	<u>1792</u> GL	
Co. Rep / Geo.	<u>TOD MORGENSTEIN</u>	Cont.	<u>SHIELDS DRUG.</u>	Est. Ft. of Pay	<u>?</u> Por. <u>?</u> %
Location: Sec.	<u>30</u>	Twp.	<u>21<sup>S</sup></u>	Rge.	<u>11<sup>W</sup></u> Co. <u>STAFFORD</u> State <u>Ks.</u>
No. of Copies	<u>5</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>-</u> Evaluation (Y, N) <u>-</u>

Interval Tested 3200 - 3277 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 50,000  
Anchor Length 77' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 49,000  
Top Packer Depth 3195' Hole Size — 7 7/8"  Rubber Size — 6 3/4"   
Bottom Packer Depth 3200' Wt. Pipe I.D. — 2.7 Ft. Run 820'  
Total Depth 3277' Drill Collar — 2.25 Ft. Run NONE  
Mud Wt. 8.9 LCM - Vis. 45 WL 84 cc. Drill Pipe Size 4 1/2" FH. Ft. Run 2783  
Blow Description IF: Water below, (1/4-1/2") decreasing -

FF: No below.

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP	%gas	%oil	%water	%mud
Rec. <u>20</u>	Feet Of <u>Mud @ oil spec.</u>						
Rec. _____	Feet Of _____						
Rec. _____	Feet Of _____						
Rec. _____	Feet Of _____						
Rec. _____	Feet Of _____						

BHT 104 °F Gravity N.A. °API D@ - °F Corrected Gravity N.A. °API

RW N.C. @ - °F Chlorides 8,000 ppm Recovery Chlorides 8,000 ppm System

(A) Initial Hydrostatic Mud	<u>1574</u> PSI	Recorder No.	<u>13788</u>	T-Started	<u>1115</u>
(B) First Initial Flow Pressure	<u>39</u> PSI	@ (depth)	<u>3274'</u>	T-Open	<u>1228</u>
(C) First Final Flow Pressure	<u>39</u> PSI	Recorder No.	<u>10248</u>	T-Pulled	<u>1429</u>
(D) Initial Shut-in Pressure	<u>69</u> PSI	@ (depth)	<u>3268'</u>	T-Out	<u>1605</u>
(E) Second Initial Flow Pressure	<u>41</u> PSI	Recorder No.	<u>-</u>		
(F) Second Final Flow Pressure	<u>41</u> PSI	@ (depth)	<u>-</u>		
(G) Final Shut-in Pressure	<u>57</u> PSI	Initial Opening	<u>30</u>	Test	<u>600<sup>00</sup></u>
(H) Final Hydrostatic Mud	<u>1547</u> PSI	Initial Shut-in	<u>30</u>	Jars	

Final Flow 30 Safety Joint \_\_\_\_\_  
Final Shut-in 30 Straddle \_\_\_\_\_  
Circ. Sub 4 \_\_\_\_\_  
Sampler \_\_\_\_\_

Approved By Todd E. Morgenstein

Our Representative Craig Pennington

Extra Packer \_\_\_\_\_  
Elect. Rec. \_\_\_\_\_  
Other \_\_\_\_\_  
TOTAL PRICE \$ 600<sup>00</sup>

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