

15-165-21697

36-16s-20w

WELL NAME: Baldwin #1
OPERATOR: Russell Oil Inc
LOCATION: Sec 36 Twp 16S Rge 20W
Rush County Kansas
DATE: 05/11/96

TRILOBITE TESTING L.L.C.

OPERATOR : Russell Oil Inc
WELL NAME: Baldwin #1
LOCATION : 36-16S-20W, Rush Cty KS
INTERVAL : 3484.00 To 3508.00 ft

DATE 05/10/96
KB 2083.00 ft TICKET NO: 8725 DST #1
GR 2078.00 ft FORMATION: LKC "B"
TD 3508.00 ft TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	AK-1	AK-1	AK-1			PF Fr. 0500 to 0530 hr
SI 30	Range(Psi)	4375.0	4375.0	4000.0	0.0	0.0	IS Fr. 0530 to 0600 hr
SF 30	Clock(hrs)	12	12	12			SF Fr. 0600 to 0630 hr
FS 30	Depth(ft)	3505.0	3505.0	3488.0	0.0	0.0	FS Fr. 0630 to 0700 hr

	Field	1	2	3	4	
A. Init Hydro	1786.0	1780.0	0.0	0.0	0.0	T STARTED 0345 hr
B. First Flow	66.0	48.0	0.0	0.0	0.0	T ON BOTM 0458 hr
B1. Final Flow	66.0	53.0	0.0	0.0	0.0	T OPEN 0500 hr
C. In Shut-in	1106.0	1095.0	0.0	0.0	0.0	T PULLED 0700 hr
D. Init Flow	100.0	80.0	0.0	0.0	0.0	T OUT 0830 hr
E. Final Flow	100.0	80.0	0.0	0.0	0.0	
F. Fl Shut-in	1106.0	1084.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1732.0	1724.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 50000.00 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 3470.00 ft
						H.W. I.D 2.70 in
						H.W. Length 787.00 ft

RECOVERY

Tot Fluid 120.00 ft of 0.00 ft in DC and 0.00 ft in DP
120.00 ft of Muddy water - 90% water, 10% mud

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

BLOW DESCRIPTION

Initial Flow -
Weak, building to 2.5"

Final Flow -
Weak, building to .5"

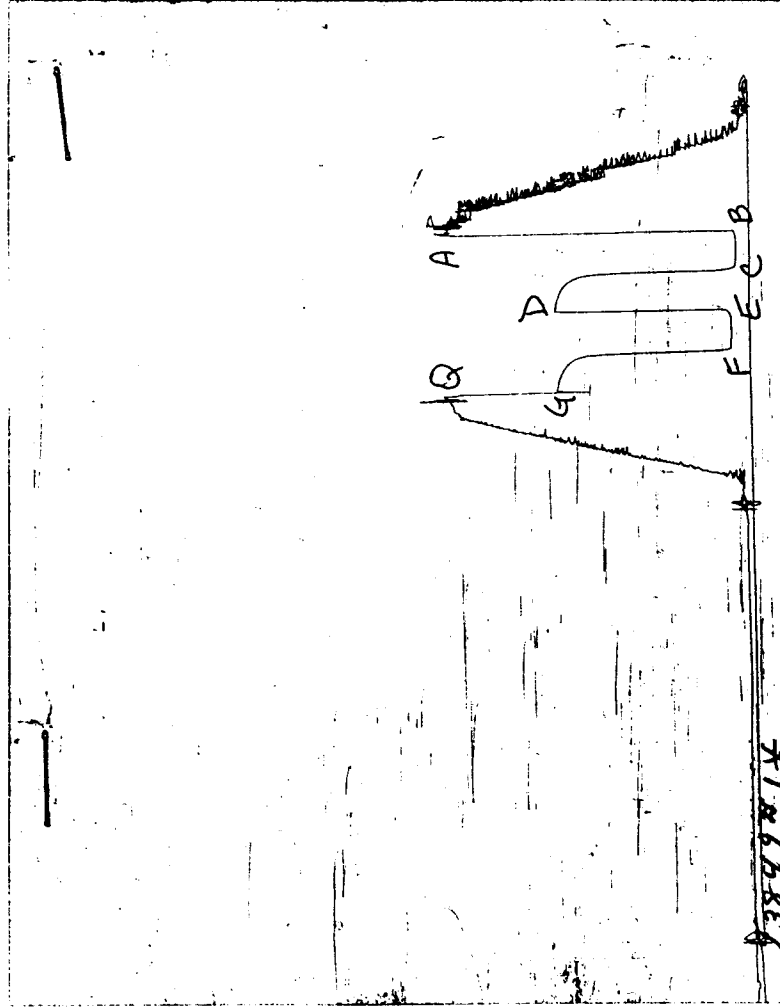
SAMPLES:
SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	8.80 lb/cf
Vis.	40.00 S/L
W.L.	17.20 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	109.00 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 Shumaker
Contr.	Shields
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 8725

Well Name & No. <u>Balbin #1</u>	Test No. <u>1</u>	Date <u>5-10-96</u>
Company <u>Russell Oil, Inc</u>	Zone Tested <u>'B'</u>	<u>H.K.C.</u>
Address <u>Box 272, Russell, Ks. 67665</u>	Elevation <u>2083</u>	KB <u>2078</u> GL
Co. Rep / Geo. <u>David Shumaker</u>	Cont. <u>Shields Delg.</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>36</u>	Twp. <u>16</u>	Rge. <u>20</u> Co. <u>Rush</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>3484 - 3508</u>	Initial Str Wt./Lbs. <u>50,000</u>	Unseated Str Wt./Lbs. <u>50,000</u>
Anchor Length <u>24</u>	Wt. Set Lbs. <u>30,000</u>	Wt. Pulled Loose/Lbs. <u>50,000</u>
Top Packer Depth <u>3479</u>	Hole Size — 7 7/8" <u> </u>	Rubber Size — 6 3/4" <u> </u>
Bottom Packer Depth <u>3484</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u>787</u>	
Total Depth <u>3508</u>	Drill Collar — 2.25 Ft. Run <u> </u>	
Mud Wt. <u>8.8</u> LCM <u> </u> Vis. <u>40</u> WL <u>17.2</u>	Drill Pipe Size <u>4.5 RH</u>	Ft. Run <u>3470</u>
Blow Description <u>I.F. Weak-building to 2 1/2"</u>		
<u>E.F. Weak-building to 1/2"</u>		

Recovery — Total Feet <u>120</u>	Ft. in DC <u> </u>	Ft. in WP <u>120</u>	Ft. in DP <u> </u>
Rec. <u>120</u>	Feet Of <u>mdy WTC.</u>	%gas <u> </u> %oil <u>90</u> %water <u>10</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> </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>	

BHT 109 °F Gravity °API D@ °F Corrected Gravity °API
RW @ °F Chlorides ppm Recovery Chlorides 8,000 ppm System

(A) Initial Hydrostatic Mud <u>1786</u> PSI	Recorder No. <u>13754</u>	T-Started <u>03:45</u>
(B) First Initial Flow Pressure <u>66</u> PSI	@ (depth) <u>3488</u>	T-Open <u>05:00</u>
(C) First Final Flow Pressure <u>66</u> PSI	Recorder No. <u>13849</u>	T-Pulled <u>07:00</u>
(D) Initial Shut-in Pressure <u>1106</u> PSI	@ (depth) <u>3505</u>	T-Out <u>08:30</u>
(E) Second Initial Flow Pressure <u>100</u> PSI	Recorder No. <u> </u>	
(F) Second Final Flow Pressure <u>100</u> PSI	@ (depth) <u> </u>	
(G) Final Shut-in Pressure <u>1106</u> PSI	Initial Opening <u>30</u>	Test <u>600</u>
(H) Final Hydrostatic Mud <u>1732</u> PSI	Initial Shut-in <u>30</u>	Jars <u> </u>

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

Our Representative Don Bangle

Circ. Sub
Sampler
Extra Packer
Elect. Rec.
Other
TOTAL PRICE \$ 600

TRILOBITE TESTING L.L.C.

OPERATOR : Russell Oil, Inc
WELL NAME: Baldwin #1
LOCATION : 36-16S-20W, Rush Cty KS
INTERVAL : 3826.00 To 3863.00 ft

DATE 05/11/96
KB 2083.00 ft TICKET NO: 9226 DST #2
GR 2078.00 ft FORMATION: Arbuckle
TD 3863.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	AK-1	AK-1	AK-1			PF Fr. 2230 to 2315 hr
SI 45 Range(Psi)	4375.0	4375.0	4000.0	0.0	0.0	IS Fr. 2315 to 2400 hr
SF 45 Clock(hrs)	12	12	12			SF Fr. 2400 to 0045 hr
FS 45 Depth(ft)	3860.0	3860.0	3829.0	0.0	0.0	FS Fr. 0045 to 0130 hr

	Field	1	2	3	4	
A. Init Hydro	1928.0	1915.0	0.0	0.0	0.0	T STARTED 2130 hr
B. First Flow	55.0	51.0	0.0	0.0	0.0	T ON BOTM 2228 hr
Bl. Final Flow	55.0	61.0	0.0	0.0	0.0	T OPEN 2230 hr
C. In Shut-in	1106.0	1095.0	0.0	0.0	0.0	T PULLED 0130 hr
D. Init Flow	88.0	89.0	0.0	0.0	0.0	T OUT 0315 hr
E. Final Flow	88.0	89.0	0.0	0.0	0.0	
F. Fl Shut-in	1061.0	1043.0	0.0	0.0	0.0	
G. Final Hydro	1873.0	1900.0	0.0	0.0	0.0	
Inside/Outside	O	O	I			

RECOVERY

Tot Fluid 120.00 ft of 0.00 ft in DC and 0.00 ft in DP
120.00 ft of Mud w/ show of oil on top

TOOL DATA-----
Tool Wt. 0.00 lbs
Wt Set On Packer 30000.00 lbs
Wt Pulled Loose 0.00 lbs
Initial Str Wt 58000.00 lbs
Unseated Str Wt 0.00 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 3828.00 ft
H.W. I.D 2.70 in
H.W. Length 787.00 ft

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

BLOW DESCRIPTION

Initial Flow -
Weak, building to .5" then decreasing
to weak surface blow in 45 min

Final Flow -
Weak steady surface blow

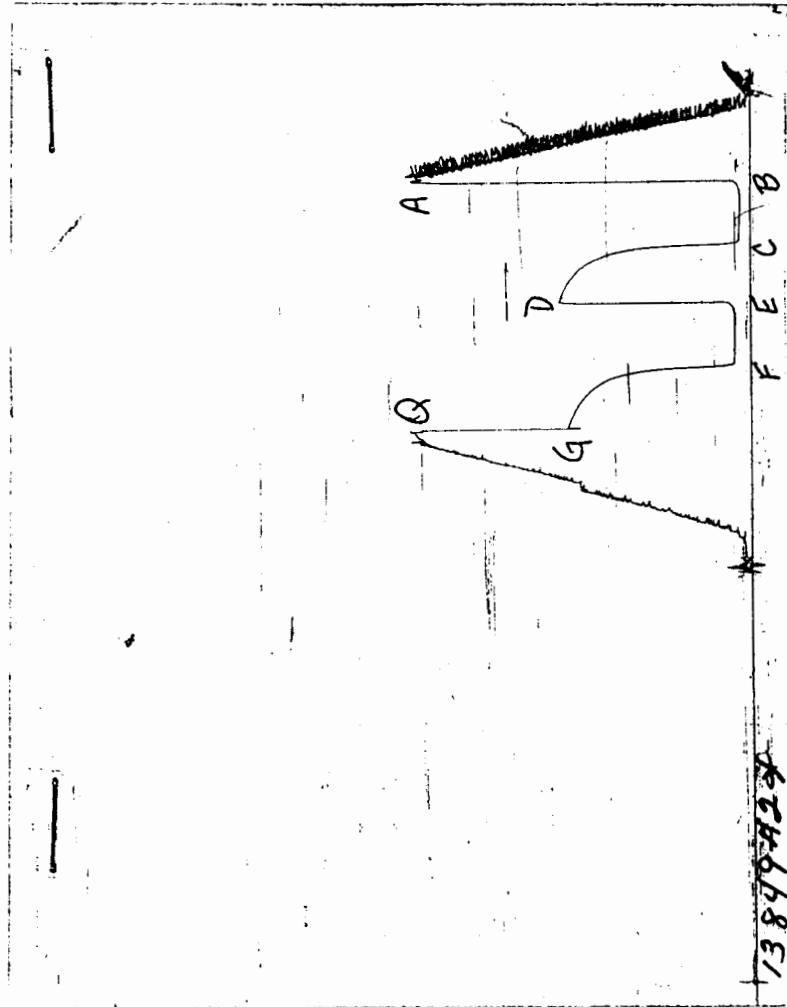
MUD DATA-----
Mud Type Chemical
Weight 9.30 lb/cf
Vis. 40.00 S/L
W.L. 16.00 in3
F.C. 0.00 in
Mud Drop

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. Dave Shumaker
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

Nº 9226

Well Name & No. <u>Baldwin #1</u>	Test No. <u>2</u>	Date <u>5-11-96</u>
Company <u>Russell Oil, Inc.</u>	Zone Tested <u>Archuckle</u>	
Address _____	Elevation <u>2083</u> KB <u>2078</u> GL	
Co. Rep / Geo. <u>Dave Shumaker</u>	Cont. <u>Shield Drlg.</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>36</u> Twp. <u>16</u> Rge. <u>20</u> Co. <u>Rush</u> State <u>Ks</u>		
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3826 - 3863 Initial Str Wt./Lbs. 58,000 Unseated Str Wt./Lbs. _____
Anchor Length 37 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. _____
Top Packer Depth 3821 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth 3826 Wt. Pipe I.D. — 2.7 Ft. Run 787 _____
Total Depth 3863 Drill Collar — 2.25 Ft. Run _____
Mud Wt. 9.3 LCM _____ Vis. 40 WL 16 Drill Pipe Size 4.5 FH Ft. Run 3828
Blow Description I.F. weak - building to 1/2" then decreasing to
weak surface blow in 45 min.
F.F. weak - steady surface blow

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP
Rec. <u>120</u>	Feet Of <u>mud w/ show oil</u>	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____	Feet Of <u>on top</u>	%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 110 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 9,000 ppm System
(A) Initial Hydrostatic Mud 1928 PSI Recorder No. 13754 T-Started 21:30
(B) First Initial Flow Pressure 55 PSI @ (depth) 3829 T-Open 22:30
(C) First Final Flow Pressure 55 PSI Recorder No. 13849 T-Pulled 00:30
(D) Initial Shut-in Pressure 1106 PSI @ (depth) 3860 T-Out 03:15
(E) Second Initial Flow Pressure 88 PSI Recorder No. _____
(F) Second Final Flow Pressure 88 PSI @ (depth) _____
(G) Final Shut-in Pressure 1061 PSI Initial Opening 45 Test 6.00
(H) Final Hydrostatic Mud 1873 PSI Initial Shut-in 45 Jars _____
Final Flow 45 Safety Joint _____
Final Shut-in 45 Straddle _____
Circ. Sub _____
Sampler _____
Extra Packer _____
Elect. Rec. _____
Other _____

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Approved By Dan Shumaker

Our Representative Dan Bangle

TOTAL PRICE \$ 600