

15-141-20314

3-10s-12w

**WELL NAME:** #1 McNerney  
**OPERATOR:** Russell Oil Inc  
**LOCATION:** Sec 3 Rge 10S Twp 12W  
Osborne County Kansas  
**DATE:** 03/10/96

TRILOBITE TESTING L.L.C.

OPERATOR : Russell Oil Inc. DATE 3-09-96  
 WELL NAME: #1 McNerney KB 1785.00 ft TICKET NO: 8920 DST #1  
 LOCATION : 03-10S-12W Osborne Cty KS GR 1780.00 ft FORMATION: Lansing A Zone  
 INTERVAL : 2994.00 To 3030.00 ft TD 3030.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	24174	24174	10992			PF Fr. 1820 to 1850 hr
SI 60	Range(Psi )	3050.0	3050.0	4200.0	0.0	0.0	IS Fr. 1850 to 1950 hr
SF 60	Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 1950 to 2050 hr
FS 60	Depth(ft )	2997.0	3297.0	3317.0	0.0	0.0	FS Fr. 2050 to 2150 hr

	Field	1	2	3	4	
A. Init Hydro	1424.0	1427.0	0.0	0.0	0.0	T STARTED 1710 hr
B. First Flow	37.0	35.0	0.0	0.0	0.0	T ON BOTM 1818 hr
B1. Final Flow	37.0	39.0	0.0	0.0	0.0	T OPEN 1820 hr
C. In Shut-in	659.0	661.0	0.0	0.0	0.0	T PULLED 2150 hr
D. Init Flow	52.0	52.0	0.0	0.0	0.0	T OUT 2350 hr
E. Final Flow	59.0	58.0	0.0	0.0	0.0	
F. Fl Shut-in	629.0	628.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1386.0	1385.0	0.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	I	I	0			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 55000.00 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 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 2240.00 ft
						H.W. I.D 2.70 in
						H.W. Length 745.00 ft

RECOVERY

Tot Fluid 120.00 ft of 0.00 ft in DC and 0.00 ft in DP  
 300.00 ft of Gas in pipe  
 60.00 ft of Heavy oil cut mud - 25% oil, 75% mud  
 60.00 ft of Gassy muddy oil - 20% gas, 50% oil, 30% mud

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

BLOW DESCRIPTION

Initial Flow -  
 .5" blow building to 9"  
 Initial Shutin -  
 Weak surface blow died in 5 min  
 Final Flow -  
 1.5" blow building to bottom of bucket  
 in 55 min  
 Final Shutin -  
 Very few bubbles

SAMPLES:  
 SENT TO:

MUD DATA-----  
 Mud Type Chemical  
 Weight 8.90 lb/c  
 Vis. 44.00 S/L  
 W.L. 7.20 in3  
 F.C. 0.00 in  
 Mud Drop N  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 95.00 F  
 Hole Condition good  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00  
 Cushion Type none  
 Reversed Out N  
 Tool Chased N  
 Tester Paul Simpson  
 Co. Rep. Francis Whisler  
 Contr. Shields  
 Rig # 1  
 Unit #  
 Pump T.

Test Successful: Y

CALCULATED RECOVERY ANALYSIS WEIGHT PIPE

DST # 1

TICKE 8920

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	60		0	25	15		0	75	45
2	60	20	12	50	30		0	30	18
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
<b>TOTAL</b>	<b>120</b>	<b>10</b>	<b>12</b>	<b>37.5</b>	<b>45</b>	<b>0</b>	<b>0</b>	<b>52.5</b>	<b>63</b>

HRS OPE BBL/DAY

BBL OIL	0.315	*	1.5	5.04
BBL WA	0	*		0
BBL MU	0.441			
BBL GAS	0.084			

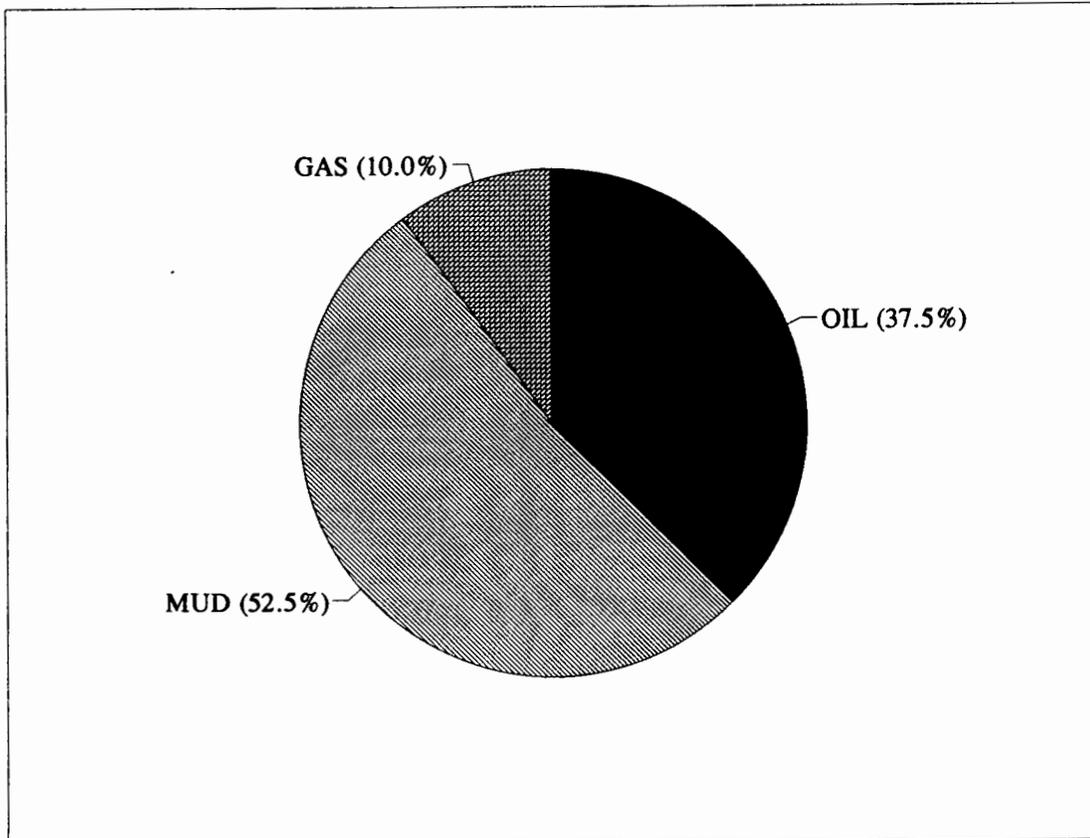
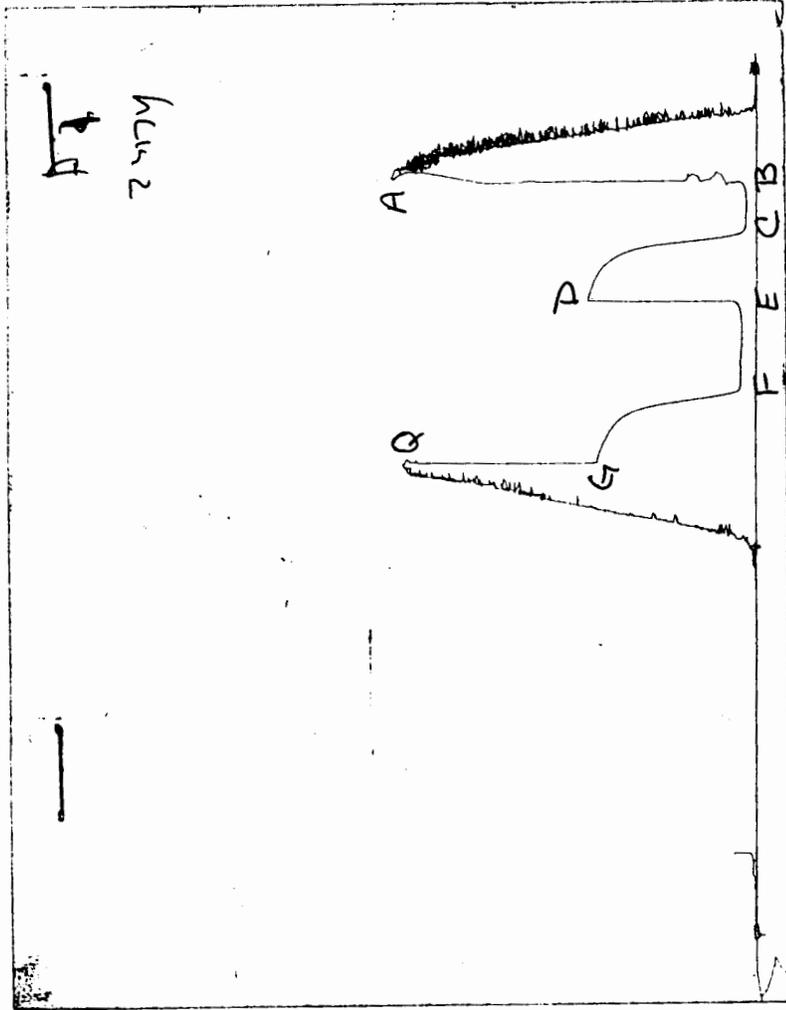


CHART PAGE



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

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: #1 McNerney

LOCATION : 03-10S-12W Osborne Cty KS

TICKET No. 8920 D.S.T. No. 1 DATE 3-09-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 20

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 36

TOTAL TOOL ..... 56

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY ..... 56

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands42 Single Total 2985

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3041

TOTAL DEPTH ..... 3030

TOTAL DRILL PIPE ABOVE K.B. .... 11

REMARKS:

P.O. SUB	
C.O. SUB top of tool	2974
S.I. TOOL H&T	2980
HMV Sterling	2985
JARS n/a	
SAFETY JOINT n/a	
PACKER Top Packer	2989
PACKER Bottom Packer	2994
DEPTH 2994	
STUBB 2995	
ANCHOR	
2' perf	2997
AK-1 recorder	2997
5' perf	3002
5' perf	3007
5' perf	3012
5' perf	3017
5' perf	3022
T.C.	
DEPTH	
5' perf	3027
BULLNOSE 3' bull plug	
T.D.	3030

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

N<sup>o</sup> 8920

Well Name & No. <u>Mc Nerney #1</u>	Test No. <u>1</u>	Date <u>3-10-96</u>
Company <u>Russell Oil Co</u>	Zone Tested <u>LKC-A'</u>	
Address <u>PO Box 272 Russell KS 67665</u>	Elevation <u>1785</u> KB <u>1780</u> GL	
Co. Rep / Geo. <u>Francis Whisler</u>	Cont. <u>Shields</u>	Est. Ft. of Pay <u>    </u> Por. <u>    </u> %
Location: Sec. <u>3</u> Twp. <u>10s</u> Rge. <u>12w</u> Co. <u>Osborne</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>2994-3030</u>	Initial Str Wt./Lbs. <u>50,000</u>	Unseated Str Wt./Lbs. <u>50,000</u>
Anchor Length <u>36</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>55,000</u>
Top Packer Depth <u>2989</u>	Hole Size — <u>7 7/8"</u>	Rubber Size — <u>6 3/4"</u>
Bottom Packer Depth <u>2994</u>	Wt. Pipe I.D. — <u>2.7 Ft. Run</u>	<u>745</u>
Total Depth <u>3030</u>	Drill Collar — <u>2.25 Ft. Run</u>	
Mud Wt. <u>8.9</u> LCM <u>    </u> Vis. <u>44</u> WL <u>7.2</u>	Drill Pipe Size <u>4 1/2" H</u>	Ft. Run <u><del>2000</del> 2240</u>

Blow Description 1/2" blow building to 9  
ISI - weak surface blow died in 5 minutes  
SS - 1/2" blow building to bottom of bucket in 55 minutes  
SST - very few bubbles

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP
Rec. <u>300</u> Feet Of <u>WIP</u>	%gas <u>    </u> %oil <u>    </u> %water <u>    </u> %mud <u>    </u>		
Rec. <u>60</u> Feet Of <u>HOCM</u>	%gas <u>25</u> %oil <u>    </u> %water <u>75</u> %mud <u>    </u>		
Rec. <u>60</u> Feet Of <u>gassy MO</u>	<u>20</u> %gas <u>50</u> %oil <u>    </u> %water <u>30</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 95 °F Gravity      °API D@      °F Corrected Gravity      °API

RW      @      °F Chlorides      ppm Recovery Chlorides      ppm System

(A) Initial Hydrostatic Mud <u>1424</u> PSI	Recorder No. <u>24174</u>	T-Started <u>1710</u>
(B) First Initial Flow Pressure <u>37</u> PSI	@ (depth) <u>2997</u>	T-Open <u>1820</u>
(C) First Final Flow Pressure <u>37</u> PSI	Recorder No. <u>10992</u>	T-Pulled <u>2150</u>
(D) Initial Shut-in Pressure <u>659</u> PSI	@ (depth) <u>3025</u>	T-Out <u>2245</u>
(E) Second Initial Flow Pressure <u>52</u> PSI	Recorder No. <u>    </u>	
(F) Second Final Flow Pressure <u>59</u> PSI	@ (depth) <u>    </u>	
(G) Final Shut-in Pressure <u>629</u> PSI	Initial Opening <u>30</u>	Test <u>X</u> <u>600</u>
(H) Final Hydrostatic Mud <u>1386</u> PSI	Initial Shut-in <u>60</u>	Jars <u>    </u>

Final Flow 60 Safety Joint       
 Final Shut-in 60 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       
 Our Representative Paul Simpson

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

5

TRILOBITE TESTING L.L.C.

OPERATOR : Russell Oil Inc. DATE 03/10/96  
 WELL NAME: #1 McNeerney B KB 1785.00 ft TICKET NO: 8921 DST #2  
 LOCATION : 03-10S-12W Osborne Cty KS GR 1780.00 ft FORMATION: Lansing B Zone  
 INTERVAL : 3040.00 To 3060.00 ft TD 3060.00 ft TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	24174	24174	10994			PF Fr. 0754 to 0824 hr
SI 60	Range(Psi )	3050.0	3050.0	4250.0	0.0	0.0	IS Fr. 0824 to 0924 hr
SF 60	Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 0924 to 1024 hr
FS 60	Depth(ft )	3042.0	3042.0	3055.0	0.0	0.0	FS Fr. 1024 to 1124 hr

	Field	1	2	3	4	
A. Init Hydro	1431.0	1430.0	0.0	0.0	0.0	T STARTED 0700 hr
B. First Flow	37.0	29.0	0.0	0.0	0.0	T ON BOTM 0752 hr
B1. Final Flow	37.0	29.0	0.0	0.0	0.0	T OPEN 0754 hr
C. In Shut-in	857.0	857.0	0.0	0.0	0.0	T PULLED 1124 hr
D. Init Flow	37.0	41.0	0.0	0.0	0.0	T OUT 1224 hr
E. Final Flow	44.0	46.0	0.0	0.0	0.0	

	Field	1	2	3	4	TOOL DATA-----
F. Fl Shut-in	781.0	777.0	0.0	0.0	0.0	Tool Wt. 1800.00 lbs
G. Final Hydro	1416.0	1419.0	0.0	0.0	0.0	Wt Set On Packer 20000.00 lbs
Inside/Outside	I	I	0			Wt Pulled Loose 60000.00 lbs

RECOVERY

Tot Fluid	65.00 ft of	0.00 ft in DC and	0.00 ft in DP	Unseated Str Wt	50000.00 lbs
3.00	ft of Clean oil - 100% oil			Bot Choke	0.75 in
62.00	ft of Oil specked muddy water			Hole Size	7.88 in
				D Col. ID	0.00 in
				D. Pipe ID	3.80 in
				D.C. Length	0.00 ft
				D.P. Length	2300.00 ft
				H.W. I.D	2.70 in
				H.W. Length	745.00 ft

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

BLOW DESCRIPTION

Initial Flow -  
 .75" blow building to 3"  
 Final Flow -  
 .25" blow building to 2.5"

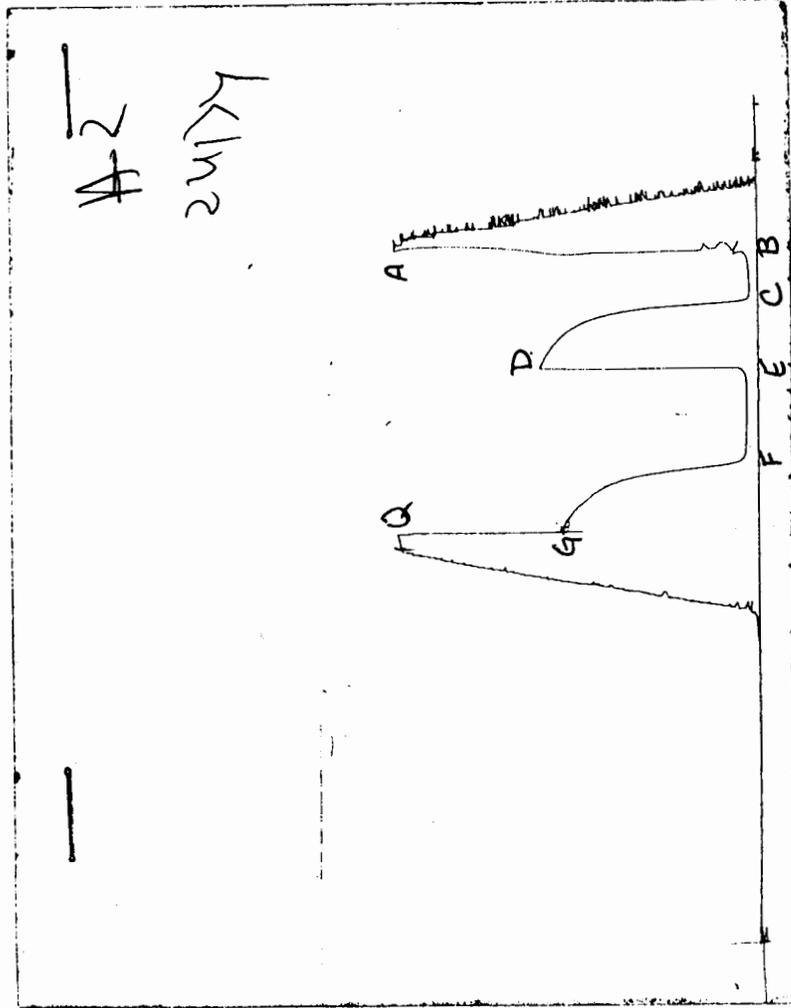
SAMPLES:  
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/c
Vis.	41.00 S/L
W.L.	7.60 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	96.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Paul Simpson
Co. Rep.	Francis Whisler
Contr.	Shields
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



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

\*\*\* TOOL DIAGRAM \*\*\* CONV

WELL NAME: #1 McNerney B  
 LOCATION : 03-10S-12W Osborne Cty KS  
 TICKET No. 8921 D.S.T. No. 2 DATE 03/10/96  
 TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 20  
 INTERVAL TOOL .....  
 BOTTOM PACKERS AND ANCHOR ..... 20  
 TOTAL TOOL ..... 40  
 DRILL COLLAR ANCHOR IN INTERVAL .....  
 D.C. ANCHOR STND.Stands Single Total  
 D.P. ANCHOR STND.Stands Single Total  
 TOTAL ASSEMBLY ..... 40  
 D.C. ABOVE TOOLS.Stands Single Total  
 D.P. ABOVE TOOLS.Stands42 Single Total 3045  
 TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3085  
 TOTAL DEPTH ..... 3060  
 TOTAL DRILL PIPE ABOVE K.B. .... 25  
 REMARKS:

P.O. SUB	
C.O. SUB top of tool	3020
S.I. TOOL H&T	3026
HMV Sterling	3031
JARS n/a	
SAFETY JOINT n/a	
PACKER Top Packer	3035
PACKER Bottom Packer	3040
DEPTH 3040	
STUBB 3041	
ANCHOR	
1' perf	3042
AK-1 recorder	3042
5' perf	3047
5' perf	3052
AK-1 Recorder	3055
T.C.	
DEPTH	
5' perf	3057
BULLNOSE 3' bull plug	
T.D.	3060

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No. 8921

Well Name & No. Mc Nerney B #1 Test No. 2 Date 3-10-96  
Company Russell Oil, Inc Zone Tested 2K-131  
Address \_\_\_\_\_ Elevation 1785 KB 1780 GL \_\_\_\_\_  
Co. Rep / Geo. Francis Whisker Cont. Shields Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
Location: Sec. 3 Twp. 10s Rge. 12w Co. Osborne State KS  
No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 3040-3060 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. \_\_\_\_\_  
Anchor Length 20 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. \_\_\_\_\_  
Top Packer Depth 3035 Hole Size — 7 7/8" \_\_\_\_\_ Rubber Size — 6 3/4" \_\_\_\_\_  
Bottom Packer Depth 3040 Wt. Pipe I.D. — 2.7 Ft. Run 245  
Total Depth 3060 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
Mud Wt. 9.0 LCM \_\_\_\_\_ Vis. 41 WL 2.6 Drill Pipe Size 4 1/2 FT Ft. Run 2042 2210 2302  
Blow Description 3/4" blow building to 3"

FS - 1/2" blow building to 2 1/2"

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP	%gas	%oil	%water	%mud
3	clean oil	65	1				
62	oil speckled muddy water						

BHT 96 °F Gravity \_\_\_\_\_ °API D@ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

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

(A) Initial Hydrostatic Mud 1431 PSI Recorder No. 24174 T-Started 0700  
(B) First Initial Flow Pressure 37 PSI @ (depth) 3042 T-Open 0754  
(C) First Final Flow Pressure 37 PSI Recorder No. 16494 T-Pulled 1124  
(D) Initial Shut-in Pressure 857 PSI @ (depth) 3055 T-Out \_\_\_\_\_  
(E) Second Initial Flow Pressure 37 PSI Recorder No. \_\_\_\_\_  
(F) Second Final Flow Pressure 44 PSI @ (depth) \_\_\_\_\_  
(G) Final Shut-in Pressure 857 781 PSI Initial Opening 30 Test  600  
(H) Final Hydrostatic Mud 1416 PSI Initial Shut-in 60 Jars \_\_\_\_\_  
Final Flow 60 Safety Joint \_\_\_\_\_  
Final Shut-in 60 Straddle \_\_\_\_\_  
Circ. Sub \_\_\_\_\_  
Sampler \_\_\_\_\_  
Extra Packer \_\_\_\_\_  
Elect. Rec. \_\_\_\_\_  
Other \_\_\_\_\_

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Approved By \_\_\_\_\_  
Our Representative Paul Simpson

TOTAL PRICE \$ 600 (5)