



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Russell Oil, Inc

**21 11s 32w Logan, Ks**

PO Box 8050  
Edmond, OK

**Rumback B 21-1**

Job Ticket: 59552

**DST#: 2**

ATTN: Kitt Noah

Test Start: 2014.12.11 @ 07:52:00

## GENERAL INFORMATION:

Formation: **LKC - J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:14:30

Time Test Ended: 15:14:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

**Interval: 4249.00 ft (KB) To 4290.00 ft (KB) (TVD)**

Reference Elevations: 3057.00 ft (KB)

Total Depth: 4290.00 ft (KB) (TVD)

3046.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8365**

**Inside**

Press@RunDepth: 268.00 psig @ 4250.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.12.11

End Date:

2014.12.11

Last Calib.:

2014.12.11

Start Time: 07:53:05

End Time:

15:15:29

Time On Btm:

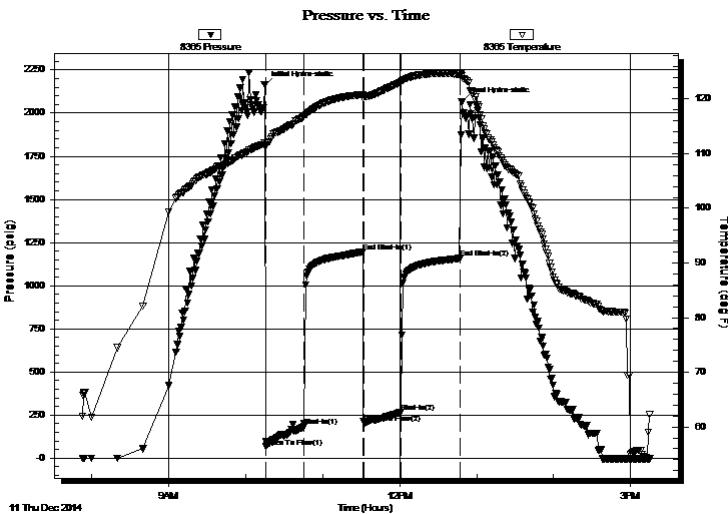
2014.12.11 @ 10:15:00

Time Off Btm:

2014.12.11 @ 12:48:15

**TEST COMMENT:** IF: BOB @ 3 min.  
IS: 1/2" return, receded to a surface blow.  
FF: 4" blow.  
FS: Surface blow.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2161.84	111.92	Initial Hydro-static
1	66.20	111.32	Open To Flow (1)
31	183.05	116.77	Shut-In(1)
77	1197.62	120.80	End Shut-In(1)
77	204.75	120.51	Open To Flow (2)
107	268.00	123.09	Shut-In(2)
152	1158.08	124.53	End Shut-In(2)
154	2067.96	124.79	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
110.00	gmco 30g 25m 45o	0.54
260.00	gmco 30g 15m 55o	1.32
350.00	gsmco 35g 5m 60o	4.91
0.00	1280' GIP	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

\* Recovery from multiple tests



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## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
110.00	gmco 30g 25m 45o	0.541
260.00	gmco 30g 15m 55o	1.315
350.00	gsmco 35g 5m 60o	4.910
0.00	1280' GIP	0.000

Total Length: 720.00 ft

Total Volume: 6.766 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

