



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Russell Oil, Inc.  
 P.O. Box 8050  
 Edmond, OK 73083  
 ATTN: Kitt Noah

**22-18s.-11w.**  
**Ames #6**  
 Job Ticket: 49719      **DST#: 4**  
 Test Start: 2013.01.22 @ 07:04:09

## GENERAL INFORMATION:

Formation: **LKC "F-G"**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 08:52:39  
 Time Test Ended: 13:40:24  
 Interval: **3117.00 ft (KB) To 3135.00 ft (KB) (TVD)**  
 Total Depth: 3135.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Ryan Reynolds  
 Unit No: 63  
 Reference Elevations: 1786.00 ft (KB)  
 1776.00 ft (CF)  
 KB to GR/CF: 10.00 ft

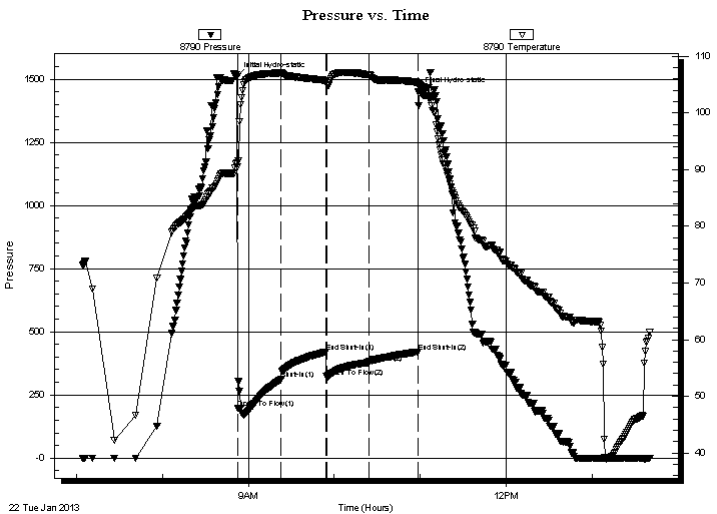
## Serial #: 8790

Inside

Press @ RunDepth: 378.03 psig @ 3118.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2013.01.22      End Date: 2013.01.22      Last Calib.: 2013.01.22  
 Start Time: 07:04:14      End Time: 13:40:23      Time On Btm: 2013.01.22 @ 08:52:09  
 Time Off Btm: 2013.01.22 @ 10:58:39

**TEST COMMENT:** IF: Strong blow . BOB 30sec. No GTS  
 IS: Strong blow . BOB 26min. No GTS  
 FF: Strong blow . BOB immed. No GTS  
 FS: Strong blow . BOB 24min. No GTS

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1511.57	91.16	Initial Hydro-static
1	198.02	90.51	Open To Flow (1)
31	311.07	107.05	Shut-In(1)
62	419.74	105.72	End Shut-In(1)
63	321.50	105.65	Open To Flow (2)
92	378.03	106.76	Shut-In(2)
126	420.26	105.39	End Shut-In(2)
127	1452.03	105.19	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
230.00	OGCW 5%oil, 10%gas, 85%w tr	3.23
335.00	GOCW 10%gas, 30%oil, 60%w tr	4.70
125.00	GOCM 20%gas, 30%oil, 50% mud	1.75
270.00	OMVG 15%oil, 20% mud, 25%w tr, 40%g	3.79
95.00	SLI OWCGM trc%oil, 5%w tr, 30%gas,	651.33id

\* Recovery from multiple tests

## Gas Rates

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



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**FLUID SUMMARY**

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**Ames #6**

Job Ticket: 49719

**DST#: 4**

ATTN: Kitt Noah

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## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

77000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: 0.02 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
230.00	OGCW 5%oil, 10%gas, 85%w tr	3.226
335.00	GOCW 10%gas, 30%oil, 60%w tr	4.699
125.00	GOCM 20%gas, 30%oil, 50%mud	1.753
270.00	OMWG 15%oil, 20%mud, 25%w tr, 40%gas	3.787
95.00	SLI OWCGM trc%oil, 5%w tr, 30%gas, 65%mi	1.333

Total Length: 1055.00 ft

Total Volume: 14.798 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

