



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Russell Oil Inc.

**Russell Dell Unit 1**

PO Box 8050  
Edmond OK, 73083

**35-10-34**

Job Ticket: 43246

**DST#: 1**

ATTN: Steve Angle

Test Start: 2011.08.17 @ 21:00:00

## GENERAL INFORMATION:

Formation: **Kansas City "G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:31:30

Time Test Ended: 04:39:15

Test Type: Conventional Bottom Hole

Tester: Jace McKinney

Unit No: 28

**Interval: 4303.00 ft (KB) To 4333.00 ft (KB) (TVD)**

Reference Elevations: 3240.00 ft (KB)

Total Depth: 4333.00 ft (KB) (TVD)

3230.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8675**

**Inside**

Press @ Run Depth: 94.58 psig @ 4334.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.17

End Date:

2011.08.18

Last Calib.: 2011.08.18

Start Time: 21:00:01

End Time:

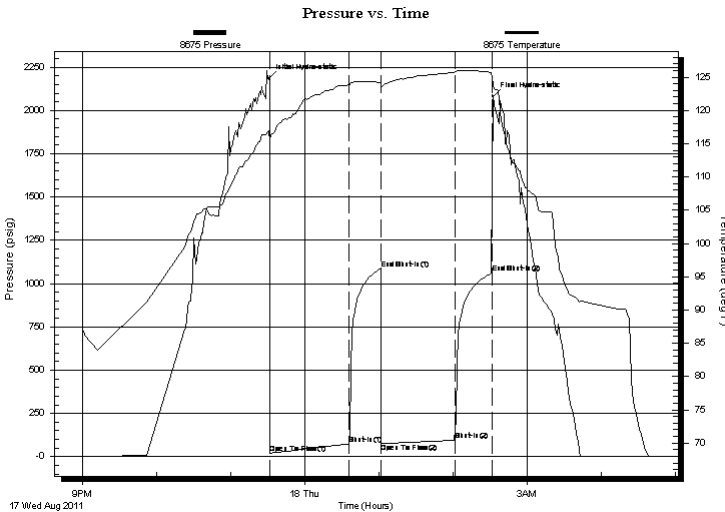
04:39:15

Time On Btm: 2011.08.17 @ 23:31:00

Time Off Btm: 2011.08.18 @ 02:32:30

**TEST COMMENT:** Built to 4" blow  
No return blow  
Built to 3" blow  
No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2183.41	116.91	Initial Hydro-static
1	18.68	115.50	Open To Flow (1)
65	72.21	123.85	Shut-In(1)
91	1086.94	124.22	End Shut-In(1)
91	74.61	123.52	Open To Flow (2)
151	94.58	125.75	Shut-In(2)
181	1059.15	125.73	End Shut-In(2)
182	2081.89	123.70	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
145.00	100%W	0.91
20.00	mcw 40%M 60%W	0.28
0.00	Oil spots in tool	0.00

## Gas Rates

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



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## FLUID SUMMARY

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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:

55000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
145.00	100%W	0.913
20.00	mcw 40%M 60%W	0.281
0.00	Oil spots in tool	0.000

Total Length: 165.00 ft      Total Volume: 1.194 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .17 @ 66 F = 55,000

# Pressure vs. Time

