



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Russell Oil, Inc.  
 PO Box  
 Edmond, OK 73083  
 ATTN: Kitt Noah

**S27-15s-35w Logan, KS**  
**Dirks A 27-2**  
 Job Ticket: 56646 **DST#: 1**  
 Test Start: 2014.03.05 @ 02:52:00

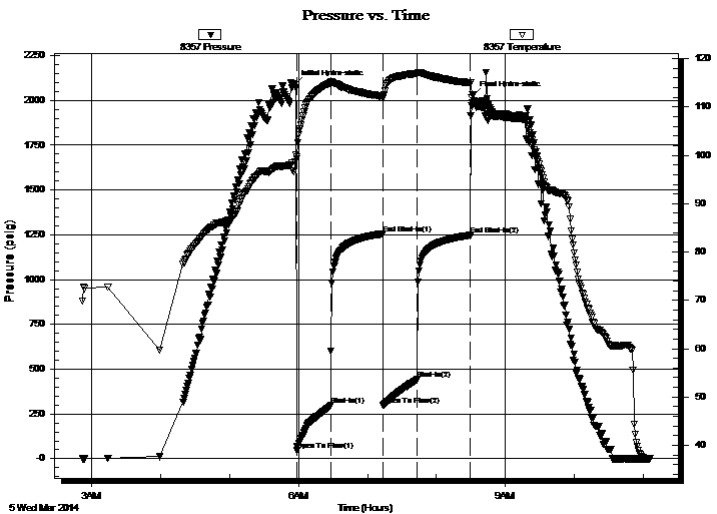
## GENERAL INFORMATION:

Formation: **Pleasanton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 05:58:24  
 Time Test Ended: 11:06:06  
 Interval: **4275.00 ft (KB) To 4317.00 ft (KB) (TVD)**  
 Total Depth: 4317.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Chuck Smith  
 Unit No: 62  
 Reference Elevations: 3126.00 ft (KB)  
 3115.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8357 Inside**  
 Press@RunDepth: 442.28 psig @ 4277.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.03.05 End Date: 2014.03.05 Last Calib.: 2014.03.05  
 Start Time: 02:52:05 End Time: 11:06:06 Time On Btm: 2014.03.05 @ 05:56:42  
 Time Off Btm: 2014.03.05 @ 08:31:30

TEST COMMENT: 30- B.O.B. @ 8 min. Tool slid 10'.  
 45- No return.  
 30- B.O.B. @ 9 min.  
 45- No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2087.68	98.57	Initial Hydro-static
2	44.98	99.25	Open To Flow (1)
32	296.94	115.01	Shut-In(1)
77	1254.96	112.16	End Shut-In(1)
77	297.04	111.85	Open To Flow (2)
107	442.28	116.95	Shut-In(2)
153	1247.22	114.92	End Shut-In(2)
155	2028.81	110.94	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
235.00	MW 5m 95 w Oil spots in tool.	1.16
403.00	MW 35m 65w	5.71

## Gas Rates

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



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## FLUID SUMMARY

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Job Ticket: 56646

**DST#: 1**

ATTN: Kitt Noah

Test Start: 2014.03.05 @ 02:52:00

### 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:

52000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
235.00	MW 5m 95 w Oil spots in tool.	1.156
403.00	MW 35m 65w	5.713

Total Length: 638.00 ft      Total Volume: 6.869 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .260 @ 40 Degrees F = 52000 PPM

### Pressure vs. Time

