



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Russell Oil, Inc.

**A-R Unit #1**

PO Box 8050  
Edmond, OK. 73083

**1-16s-15w-Barton**

ATTN: Steve Murphy

Job Ticket: 42377

**DST#: 3**

Test Start: 2011.04.26 @ 15:41:22

## GENERAL INFORMATION:

Formation: **H-I**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 17:54:07  
 Time Test Ended: 23:16:07  
 Interval: **3276.00 ft (KB) To 3310.00 ft (KB) (TVD)**  
 Total Depth: 3310.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole  
 Tester: Jason McLemore  
 Unit No: 54  
 Reference Elevations: 1922.00 ft (KB)  
 1916.00 ft (CF)  
 KB to GR/CF: 6.00 ft

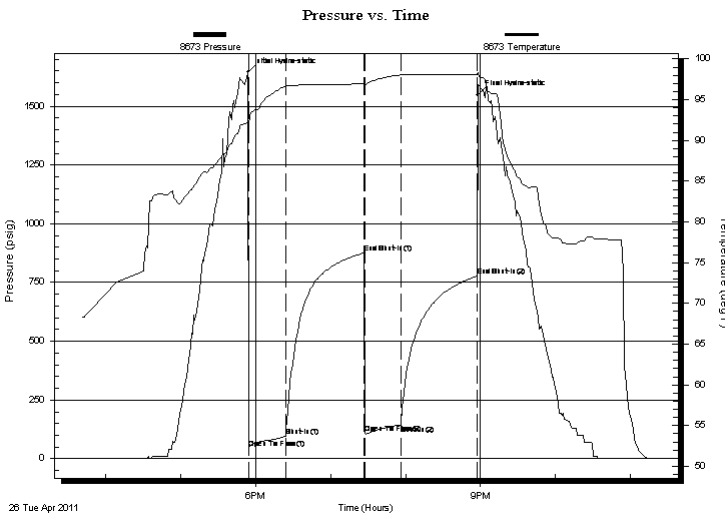
## Serial #: 8673

**Inside**

Press @ Run Depth: 143.98 psig @ 3282.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.04.26 End Date: 2011.04.26 Last Calib.: 2011.04.26  
 Start Time: 15:41:24 End Time: 23:16:07 Time On Btm: 2011.04.26 @ 17:53:52  
 Time Off Btm: 2011.04.26 @ 20:57:37

**TEST COMMENT:** IFP-Strong, BOB in 2 Min.  
 ISI-Blow back Built to 8"  
 FFP-Strong, BOB in 3 Min.  
 FSI-Blow back Built to BOB in 15 Min.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1644.15	92.22	Initial Hydro-static
1	42.43	91.45	Open To Flow (1)
30	96.46	96.68	Shut-In(1)
93	876.45	96.95	End Shut-In(1)
94	107.65	96.61	Open To Flow (2)
123	143.98	98.06	Shut-In(2)
183	777.99	98.04	End Shut-In(2)
184	1549.60	98.35	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	V SOCMW-1%O-89%W-10%M	0.30
120.00	Free Oil	1.17
70.00	Gassy, Frothy Oil-70%G-30%O	0.98
60.00	MCO-60%O-40%M	0.84
0.00	1185' Gas In Pipe	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:

41 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

92000 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	VSOCMW-1%O-89%W-10%M	0.295
120.00	Free Oil	1.173
70.00	Gassy, Frothy Oil-70%G-30%O	0.982
60.00	MCO-60%O-40%M	0.842
0.00	1185' Gas In Pipe	0.000

Total Length: 310.00 ft

Total Volume: 3.292 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

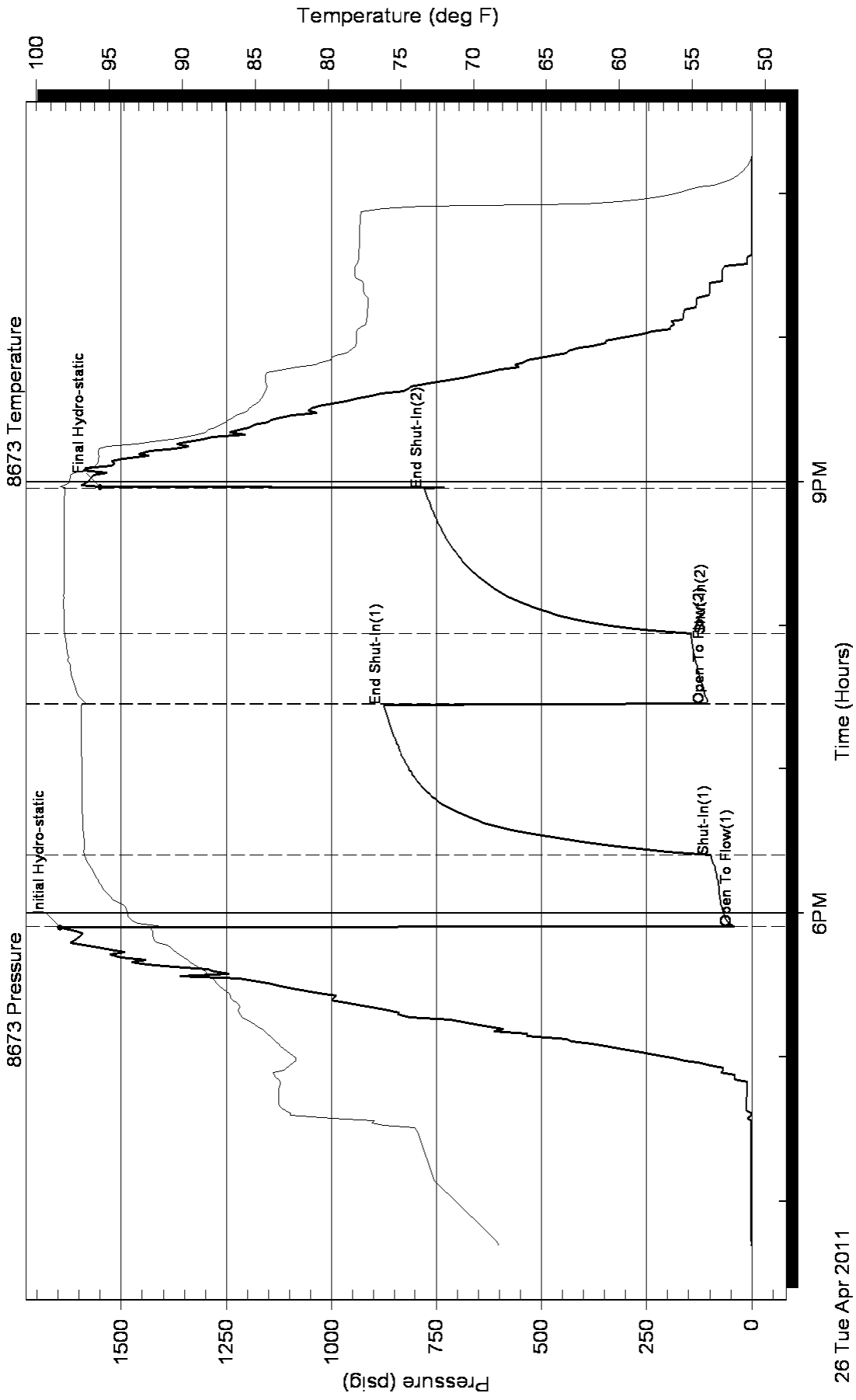
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time



26 Tue Apr 2011