



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

32-15s-34w Logan, Ks
Edwards Trust A 1-32
 Job Ticket: 49197 **DST#: 4**
 Test Start: 2013.04.28 @ 18:30:56

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 22:19:21
 Time Test Ended: 03:14:51
 Interval: **4537.00 ft (KB) To 4560.00 ft (KB) (TVD)**
 Total Depth: 4560.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Shane McBride
 Unit No: 55
 Reference Elevations: 3047.00 ft (KB)
 3035.00 ft (CF)
 KB to GR/CF: 12.00 ft

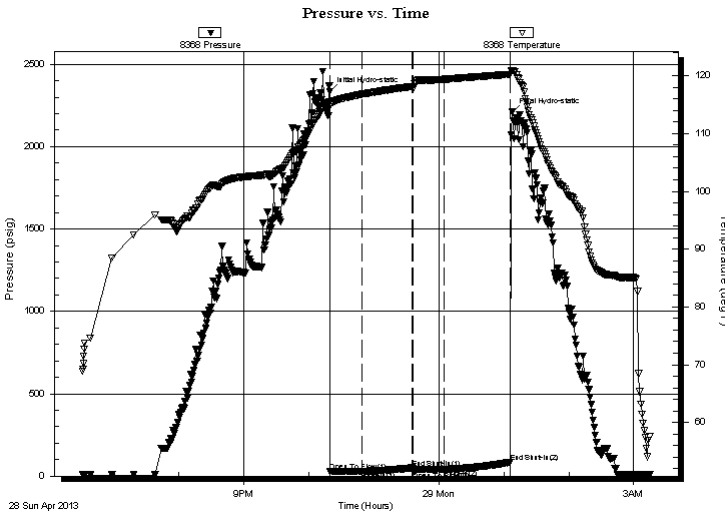
Serial #: 8368

Outside

Press @ Run Depth: 41.33 psig @ 4538.00 ft (KB)
 Start Date: 2013.04.28 End Date: 2013.04.29
 Start Time: 18:30:56 End Time: 03:14:51
 Capacity: 8000.00 psig
 Last Calib.: 2013.04.29
 Time On Btm: 2013.04.28 @ 22:19:06
 Time Off Btm: 2013.04.29 @ 01:07:36

TEST COMMENT: Weak surface blow died in 22 min.
 No return
 No blow, flush tool, no blow
 No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2333.95	115.55	Initial Hydro-static
1	27.90	114.72	Open To Flow (1)
31	29.74	116.81	Shut-In(1)
76	50.02	118.16	End Shut-In(1)
77	27.77	118.16	Open To Flow (2)
106	41.33	119.39	Shut-In(2)
167	83.57	120.26	End Shut-In(2)
169	2208.50	120.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud w /oil spots 100%m	0.02
0.00	show of free oil in tool	0.00

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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DST#: 4

ATTN: Kitt Noah

Test Start: 2013.04.28 @ 18:30:56

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.36 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud w /oil spots 100%m	0.025
0.00	show of free oil in tool	0.000

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

