



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Russell Oil Inc

32-15s-14w Russell

P O Box 8050
Edmond Ok 73083

Steinle #3-32

Job Ticket: 54357

DST#: 4

ATTN: Leroy Holt II. / Kit

Test Start: 2013.10.21 @ 05:10:34

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:46:44

Time Test Ended: 10:04:28

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 70

Interval: 3364.00 ft (KB) To 3390.00 ft (KB) (TVD)

Reference Elevations: 1927.00 ft (KB)

Total Depth: 3390.00 ft (KB) (TVD)

1915.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 8369 Inside

Press @ Run Depth: 21.02 psig @ 3367.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.21 End Date: 2013.10.21

Last Calib.: 2013.10.21

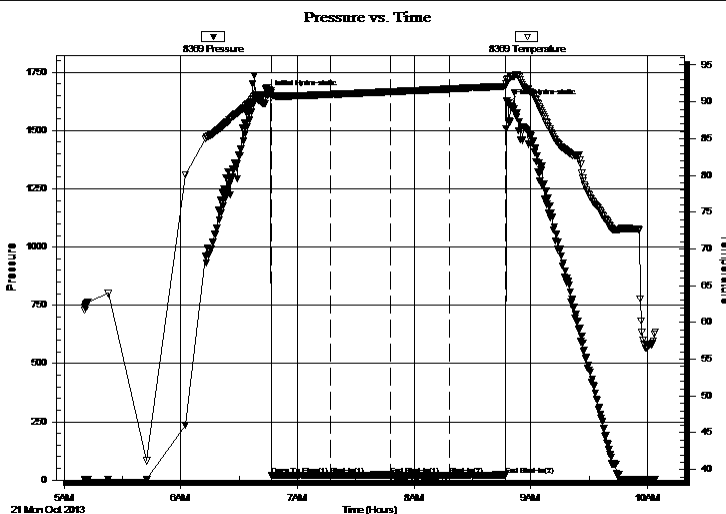
Start Time: 05:10:34 End Time: 10:04:28

Time On Btm: 2013.10.21 @ 06:44:44

Time Off Btm: 2013.10.21 @ 08:48:29

TEST COMMENT: 30-IFP-surface bl, died in 16min
30-ISIP-no bl
30-FFP-no bl
30-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1652.64	91.04	Initial Hydro-static
2	20.85	90.64	Open To Flow (1)
32	21.29	91.01	Shut-In(1)
63	22.46	91.38	End Shut-In(1)
64	20.98	91.38	Open To Flow (2)
94	21.02	91.76	Shut-In(2)
122	22.12	92.12	End Shut-In(2)
124	1616.00	93.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.07

Gas Rates

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

* Recovery from multiple tests



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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:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

