



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

28-15s-34w-Logan/KS

Deanna 'E' #1-28

Job Ticket: 45077

DST#: 6

Test Start: 2012.02.21 @ 23:27:00

GENERAL INFORMATION:

Formation: **Cherokee-Jhonson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:02:30

Time Test Ended: 06:51:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 37

Interval: 4487.00 ft (KB) To 4560.00 ft (KB) (TVD)

Reference Elevations: 3052.00 ft (KB)

Total Depth: 4560.00 ft (KB) (TVD)

3042.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8018

Inside

Press @ Run Depth: 109.21 psig @ 4490.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.21

End Date:

2012.02.22

Last Calib.:

2012.02.22

Start Time: 23:27:02

End Time:

06:51:40

Time On Btm:

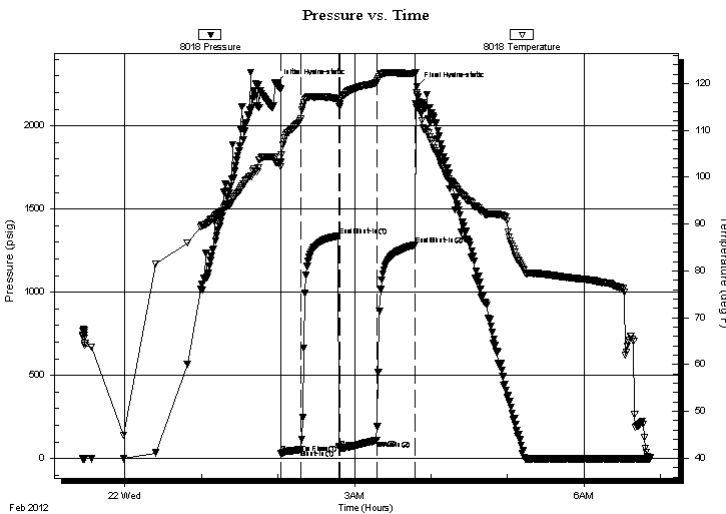
2012.02.22 @ 01:58:40

Time Off Btm:

2012.02.22 @ 03:48:50

TEST COMMENT: B.O.B 3 minutes
6.5 inch return
B.O.B 3.5 minutes
12 inch return 18 minutes

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2255.73	103.14	Initial Hydro-static
4	28.80	102.16	Open To Flow (1)
20	54.92	112.38	Shut-In(1)
49	1338.92	116.73	End Shut-In(1)
50	62.66	115.12	Open To Flow (2)
79	109.21	120.25	Shut-In(2)
109	1283.99	122.15	End Shut-In(2)
111	2237.49	117.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GMCO 55g 20m 25o	0.30
60.00	GMCO 40g 30m 30o	0.30
60.00	GMCO 25g 30m 45o	0.84
105.00	GO 20g 80o	1.47
0.00	2090 feet GIP	0.00

* Recovery from multiple tests

Gas Rates

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



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Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GMCO 55g 20m 25o	0.295
60.00	GMCO 40g 30m 30o	0.295
60.00	GMCO 25g 30m 45o	0.842
105.00	GO 20g 80o	1.473
0.00	2090 feet GIP	0.000

Total Length: 285.00 ft Total Volume: 2.905 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: api 34 @ 30 Degrees F= 37

Pressure vs. Time

