



**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: 45076

DST#: 5

Test Start: 2012.02.21 @ 01:27:00

GENERAL INFORMATION:

Formation: **MS-FS**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:59:10

Time Test Ended: 08:24:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 37

Interval: 4428.00 ft (KB) To 4480.00 ft (KB) (TVD)

Reference Elevations: 3052.00 ft (KB)

Total Depth: 4480.00 ft (KB) (TVD)

3042.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6751 Outside

Press @ RunDepth: 18.89 psig @ 4434.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.21

End Date:

2012.02.21

Last Calib.:

2012.02.21

Start Time: 01:27:02

End Time:

08:24:50

Time On Btm:

2012.02.21 @ 03:55:50

Time Off Btm:

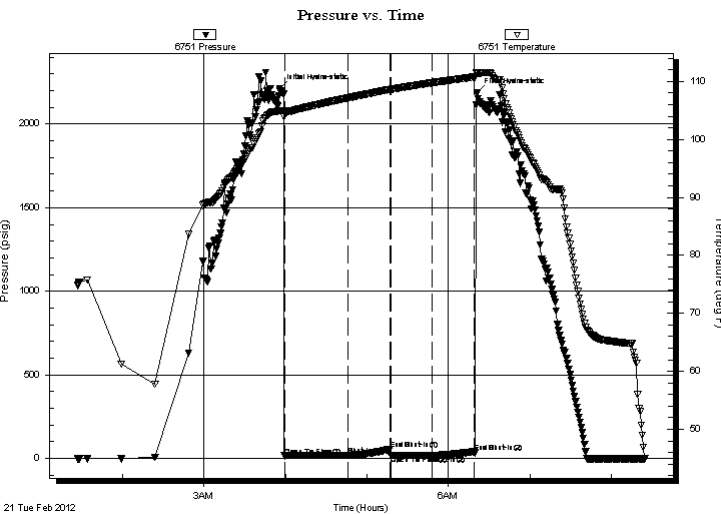
2012.02.21 @ 06:21:00

TEST COMMENT: 1/2 inch blow

No return

No blow

No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2213.51	104.91	Initial Hydro-static
4	15.70	103.94	Open To Flow (1)
51	18.22	107.16	Shut-In(1)
82	56.10	108.62	End Shut-In(1)
82	18.19	108.60	Open To Flow (2)
112	18.89	109.75	Shut-In(2)
144	39.69	110.76	End Shut-In(2)
146	2185.70	111.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	OSM 100m	0.07

* 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:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 70.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 13000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	OSM 100m	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

