



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Russell Oil Inc.

Russell Dell Unit 1

PO Box 8050
Edmond OK, 73083

35-10-34

Job Ticket: 43247

DST#: 2

ATTN: Steve Angle

Test Start: 2011.08.19 @ 02:15:00

GENERAL INFORMATION:

Formation: **Kansas City " K & L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:33:45

Time Test Ended: 09:45:45

Test Type: Conventional Bottom Hole

Tester: Jace McKinney

Unit No: 28

Interval: 4379.00 ft (KB) To 4456.00 ft (KB) (TVD)

Reference Elevations: 3240.00 ft (KB)

Total Depth: 4456.00 ft (KB) (TVD)

3230.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8675

Inside

Press @ RunDepth: 203.06 psig @ 4380.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.19

End Date:

2011.08.19

Last Calib.:

2011.08.19

Start Time: 02:15:01

End Time:

09:45:45

Time On Btm:

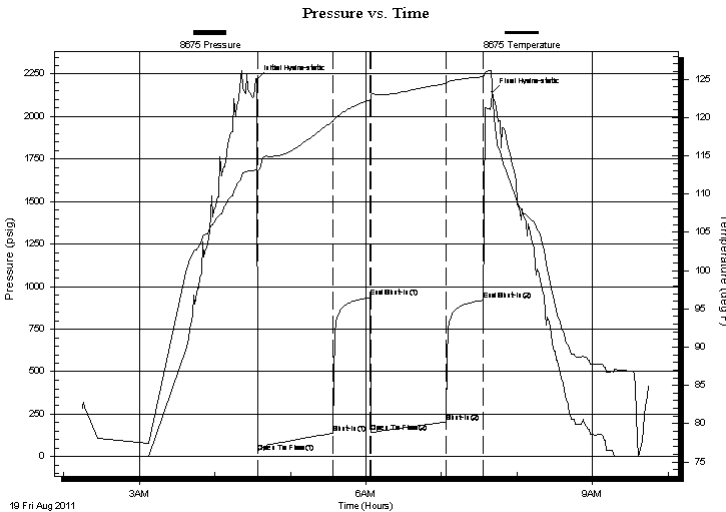
2011.08.19 @ 04:33:30

Time Off Btm:

2011.08.19 @ 07:40:15

TEST COMMENT: B.O.B. in 29 min.
Weak surface return blow
B.O.B. in 46 min.
Built to 1/4 return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2214.99	113.24	Initial Hydro-static
1	25.76	112.36	Open To Flow (1)
61	137.62	119.51	Shut-In(1)
90	936.23	122.32	End Shut-In(1)
91	141.22	122.53	Open To Flow (2)
150	203.06	124.43	Shut-In(2)
180	919.33	125.30	End Shut-In(2)
187	2141.60	124.24	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
0.00	122 feet gas in pipe	0.00
123.00	mcw 10%M 90%W	0.60
377.00	omcw 5%O 30%M 65%W	5.29
58.00	gco 10%G 90%O	0.81

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



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FLUID SUMMARY

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DST#: 2

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Test Start: 2011.08.19 @ 02:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

27 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

70000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	122 feet gas in pipe	0.000
123.00	mcw 10%M 90%W	0.605
377.00	omcw 5%O 30%M 65%W	5.288
58.00	gco 10%G 90%O	0.814

Total Length: 558.00 ft Total Volume: 6.707 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 29 @ 80 F = 27 RW: .12 @ 72 F = 70,000

Pressure vs. Time

