



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Russell Oil, Inc

5 11s 34w Logan, KS

P.O. Box 8050
Edmond, Ok 73083

James D 1-5

Job Ticket: 44485

DST#: 1

ATTN: Steve Angle

Test Start: 2011.09.28 @ 10:58:00

GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:38:15

Time Test Ended: 19:22:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 40

Interval: 4310.00 ft (KB) To 4339.00 ft (KB) (TVD)

Reference Elevations: 3260.00 ft (KB)

Total Depth: 4339.00 ft (KB) (TVD)

3249.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8652

Inside

Press @ Run Depth: 261.45 psig @ 4311.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.28

End Date:

2011.09.28

Last Calib.:

2011.09.28

Start Time: 10:58:05

End Time:

19:22:44

Time On Btm:

2011.09.28 @ 13:38:00

Time Off Btm:

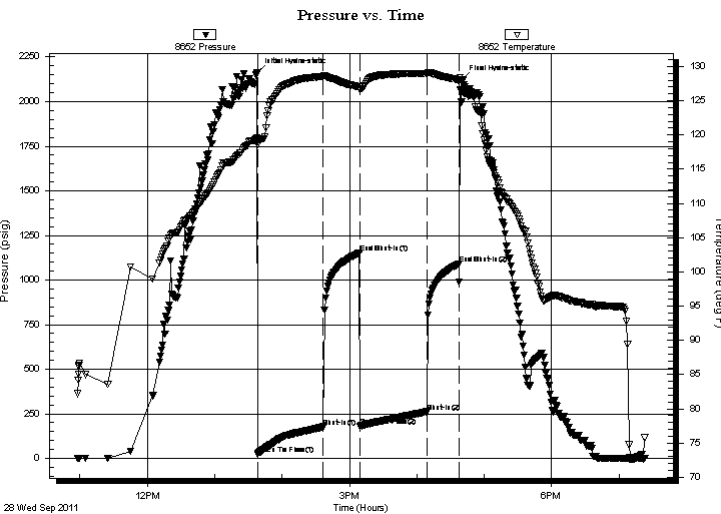
2011.09.28 @ 16:40:30

TEST COMMENT: IF: BOB @ 34 minutes.

IS: No return.

FF: 9" blow.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2163.90	119.59	Initial Hydro-static
1	23.86	118.57	Open To Flow (1)
59	176.64	128.54	Shut-In(1)
91	1151.80	126.98	End Shut-In(1)
92	181.16	126.55	Open To Flow (2)
151	261.45	128.98	Shut-In(2)
180	1091.50	128.03	End Shut-In(2)
183	2122.15	126.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
480.00	mcw 10m 90w (oil spots in tool)	4.18

Gas Rates

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



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FLUID SUMMARY

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Test Start: 2011.09.28 @ 10:58:00

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:

32000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
480.00	mcw 10m 90w (oil spots in tool)	4.182

Total Length: 480.00 ft Total Volume: 4.182 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .172 @ 83f = 32000ppm

Serial #: 8652

Inside

Russell Oil, Inc

James D-1-5

DST Test Number: 1

