



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Russell Oil Co.

Anderson 1-31

POB 3050
Edmond, OK 73083

S31-10s-34w Thomas, KS

ATTN: Steve Murphy

Job Ticket: 43121

DST#: 1

Test Start: 2011.05.05 @ 23:06:00

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:03:30

Time Test Ended: 06:48:09

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: 4140.00 ft (KB) To 4170.00 ft (KB) (TVD)

Reference Elevations: 3296.00 ft (KB)

Total Depth: 4170.00 ft (KB) (TVD)

3286.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8018

Inside

Press @ Run Depth: 95.27 psig @ 4142.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.05

End Date:

2011.05.06

Last Calib.: 2011.05.06

Start Time: 23:06:05

End Time:

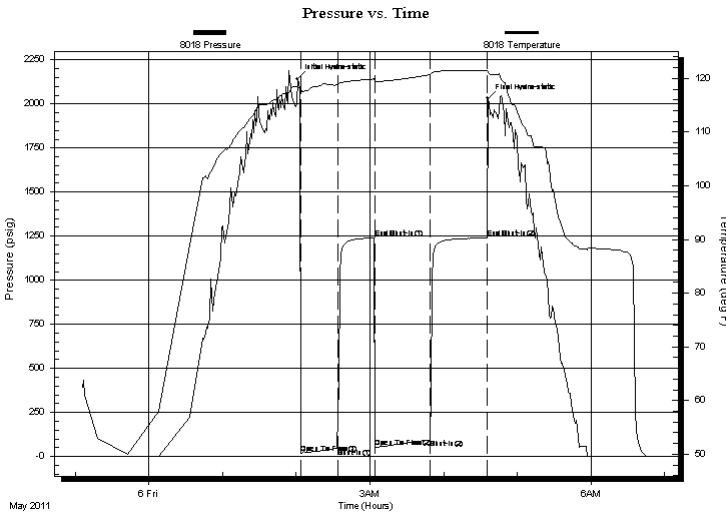
06:48:09

Time On Btm: 2011.05.06 @ 02:01:00

Time Off Btm: 2011.05.06 @ 04:35:50

TEST COMMENT: IF: 3" Blow.
IS: No return.
FF: 2" Blow.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2142.45	118.34	Initial Hydro-static
3	18.24	117.26	Open To Flow (1)
33	46.89	118.76	Shut-In(1)
63	1240.52	119.89	End Shut-In(1)
63	51.96	119.38	Open To Flow (2)
108	95.27	120.67	Shut-In(2)
155	1240.03	121.49	End Shut-In(2)
155	2032.53	121.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: @ Degrees F = PPM	0.00
165.00	MW 25m 75w	0.81

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:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	RW: @ Degrees F = PPM	0.000
165.00	MW 25m 75w	0.811

Total Length: 165.00 ft

Total Volume: 0.811 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

