



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Russell Oil Inc
 P.O. Box 8050
 Edmond, Ok 73083
 ATTN: Kitt Noah

35-12s-33w Logan Ks
Joseph 35-1
 Job Ticket: 59029 **DST#: 1**
 Test Start: 2014.08.27 @ 20:04:27

GENERAL INFORMATION:

Formation: **Toronto**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:48:57
 Time Test Ended: 04:09:57
 Interval: **4015.00 ft (KB) To 4065.00 ft (KB) (TVD)**
 Total Depth: 4065.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brandon Turley
 Unit No: 60
 Reference Elevations: 3095.00 ft (KB)
 3084.00 ft (CF)
 KB to GR/CF: 11.00 ft

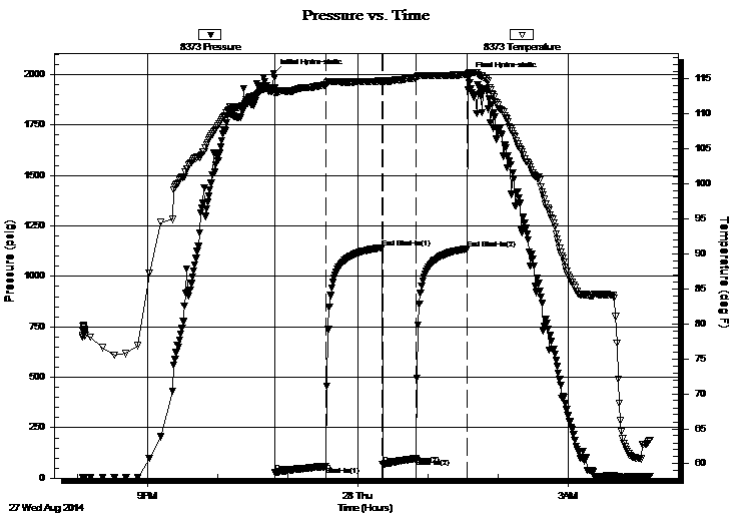
Serial #: 8373

Inside

Press@RunDepth: 96.72 psig @ 4016.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.08.27 End Date: 2014.08.28 Last Calib.: 2014.08.28
 Start Time: 20:04:32 End Time: 04:09:56 Time On Btm: 2014.08.27 @ 22:47:57
 Time Off Btm: 2014.08.28 @ 01:34:57

TEST COMMENT: IF: Surface blow built to 3/4 in 45 min.
 IS: No return.
 FF: No blow.
 FS: No return.

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2006.42 | 113.56 | Initial Hydro-static |
| 1 | 27.34 | 112.87 | Open To Flow (1) |
| 45 | 58.78 | 114.05 | Shut-In(1) |
| 93 | 1142.10 | 114.60 | End Shut-In(1) |
| 93 | 69.71 | 114.26 | Open To Flow (2) |
| 122 | 96.72 | 115.02 | Shut-In(2) |
| 166 | 1136.64 | 115.53 | End Shut-In(2) |
| 167 | 1988.69 | 115.73 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------|--------------|
| 60.00 | w cm 5%w 95%m | 0.30 |
| 60.00 | mud 100%m | 0.30 |
| | | |
| | | |
| | | |

Gas Rates

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



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FLUID SUMMARY

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Joseph 35-1

Job Ticket: 59029

DST#: 1

ATTN: Kitt Noah

Test Start: 2014.08.27 @ 20:04:27

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:

0 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------|---------------|
| 60.00 | w cm 5%w 95%m | 0.295 |
| 60.00 | mud 100%m | 0.295 |

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

