



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

15-14-32 Logan, Ks

202 w main st.
Salem, IL 62881

Ottley 9-15

Job Ticket: 59014

DST#: 5

ATTN: Tim Priest

Test Start: 2014.07.29 @ 08:41:57

GENERAL INFORMATION:

Formation: **Lansing J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:42:27

Time Test Ended: 15:08:27

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: 3976.00 ft (KB) To 4000.00 ft (KB) (TVD)

Reference Elevations: 2762.00 ft (KB)

Total Depth: 4000.00 ft (KB) (TVD)

2755.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8373 Inside

Press@RunDepth: 48.69 psig @ 3981.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.29

End Date:

2014.07.29

Last Calib.:

2014.07.29

Start Time: 08:42:02

End Time:

15:08:26

Time On Btm:

2014.07.29 @ 10:40:57

Time Off Btm:

2014.07.29 @ 13:13:27

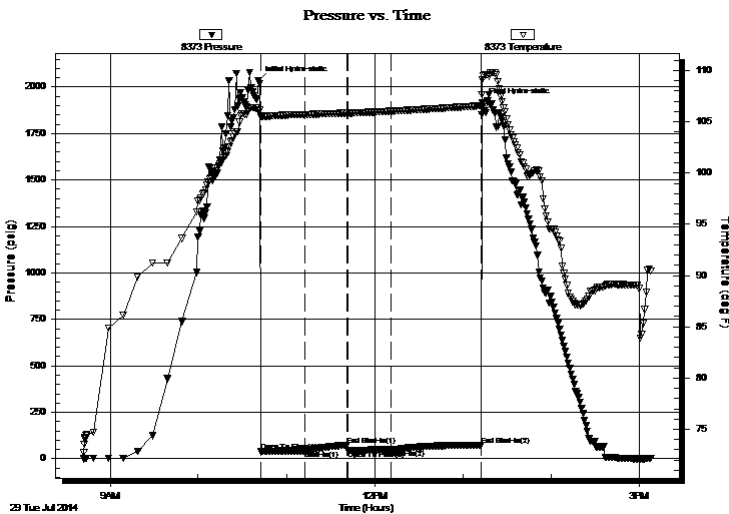
TEST COMMENT: IF: Weak surface blow died in 5 min.

IS: No return.

FF: No blow.

FS: No return.

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2033.47 | 106.21 | Initial Hydro-static |
| 2 | 38.70 | 105.49 | Open To Flow (1) |
| 32 | 43.71 | 105.71 | Shut-In(1) |
| 60 | 73.00 | 105.85 | End Shut-In(1) |
| 61 | 45.87 | 105.84 | Open To Flow (2) |
| 90 | 48.69 | 106.03 | Shut-In(2) |
| 152 | 74.32 | 106.57 | End Shut-In(2) |
| 153 | 1913.89 | 109.14 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 60.00 | mud 100%m | 0.30 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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Test Start: 2014.07.29 @ 08:41:57

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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 60.00 | mud 100%m | 0.295 |

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: They have a small hole in the pipe or and bad w ashed pipe the last three row were dripping mud.

Serial #: 8373

Inside

Shakespeare Oil Co. Inc

Otley 9-15

DST Test Number: 5

Pressure vs. Time

