



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co

Nichols 1-15

202 W Main St.
Salem, IL 62881

15-16-34 Scott, KS

ATTN: Tim Priest

Job Ticket: 43690

DST#: 5

Test Start: 2011.09.02 @ 11:45:42

GENERAL INFORMATION:

Formation: **K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:40:07
 Time Test Ended: 18:55:51
 Interval: **4295.00 ft (KB) To 4330.00 ft (KB) (TVD)**
 Total Depth: 4330.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Brandon Turley
 Unit No: 35
 Reference Elevations: 3130.00 ft (KB)
 3120.00 ft (CF)
 KB to GR/CF: 10.00 ft

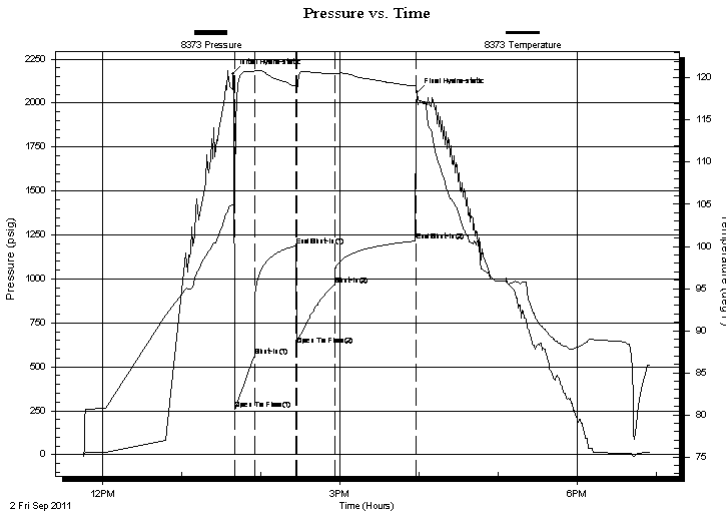
Serial #: 8373

Inside

Press @ Run Depth: 964.80 psig @ 4296.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.09.02 End Date: 2011.09.02 Last Calib.: 2011.09.02
 Start Time: 11:45:42 End Time: 18:55:51 Time On Btm: 2011.09.02 @ 13:38:52
 Time Off Btm: 2011.09.02 @ 15:58:37

TEST COMMENT: IF: BOB in 1 min.
 IS: No return.
 FF: BOB in 2 min.
 FS: No return.

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2167.57 | 104.92 | Initial Hydro-static |
| 2 | 257.95 | 104.33 | Open To Flow (1) |
| 17 | 560.24 | 120.74 | Shut-In(1) |
| 48 | 1190.68 | 119.08 | End Shut-In(1) |
| 49 | 625.13 | 118.52 | Open To Flow (2) |
| 77 | 964.80 | 120.53 | Shut-In(2) |
| 139 | 1215.15 | 119.04 | End Shut-In(2) |
| 140 | 2060.39 | 117.53 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------|--------------|
| 1705.00 | water 100%w | 22.80 |
| 248.00 | mcw 90%w 10%m | 3.48 |
| 279.00 | mw 50%w 50%m | 3.91 |
| | | |
| | | |

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: 28000 ppm |
| Viscosity: 54.00 sec/qt | Cushion Volume: bbl | |
| Water Loss: 9.58 in ³ | Gas Cushion Type: | |
| Resistivity: 0.00 ohm.m | Gas Cushion Pressure: psig | |
| Salinity: 8100.00 ppm | | |
| Filter Cake: 1.00 inches | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------|---------------|
| 1705.00 | water 100%w | 22.796 |
| 248.00 | mcw 90%w 10%m | 3.479 |
| 279.00 | mw 50%w 50%m | 3.914 |

Total Length: 2232.00 ft Total Volume: 30.189 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .18@95=28000

