



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc.

**9-16-13 Scott Co KS**

202 West Main Street  
Salem II 62881

**Tucker 2-9**

Job Ticket: 52918

**DST#: 1**

ATTN: Tim Priest

Test Start: 2013.09.15 @ 20:36:15

## GENERAL INFORMATION:

Formation: **I-J**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 23:01:30  
 Tester: Mike Roberts  
 Time Test Ended: 04:02:45  
 Unit No: 65  
 Interval: **4272.00 ft (KB) To 4310.00 ft (KB) (TVD)**  
 Reference Elevations: 3144.00 ft (KB)  
 Total Depth: 4310.00 ft (KB) (TVD)  
 3139.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Fair  
 KB to GR/CF: 5.00 ft

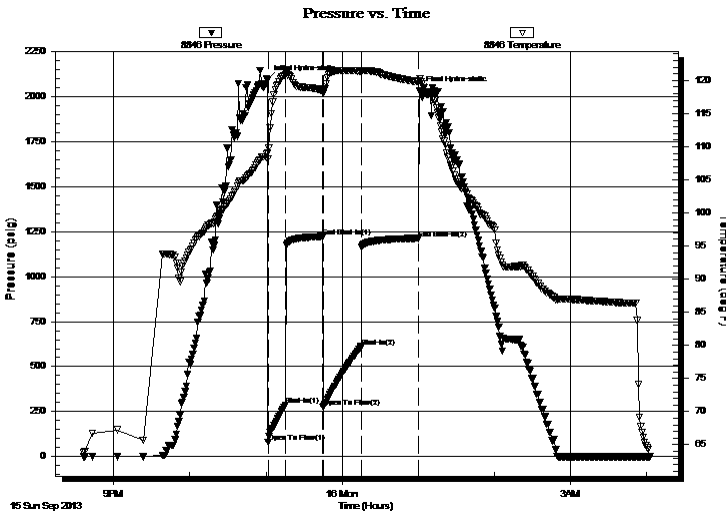
**Serial #: 8846**

**Outside**

Press@RunDepth: 610.54 psig @ 4273.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.09.15 End Date: 2013.09.16 Last Calib.: 2013.09.16  
 Start Time: 20:36:15 End Time: 04:02:45 Time On Btm: 2013.09.15 @ 23:01:15  
 Time Off Btm: 2013.09.16 @ 01:00:45

**TEST COMMENT:** IF:BOB in 4 min.  
 IS:No return blow  
 FF:BOB in 3 min.  
 FS:No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2093.77	109.01	Initial Hydro-static
1	80.58	108.15	Open To Flow (1)
14	286.94	120.90	Shut-In(1)
44	1223.18	118.45	End Shut-In(1)
44	272.53	118.08	Open To Flow (2)
74	610.54	121.41	Shut-In(2)
119	1213.11	119.76	End Shut-In(2)
120	2032.53	119.98	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
485.00	sw 100%sw	5.72
366.00	w cm 30%w 70%m	5.13

## 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:

19000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4700.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
485.00	sw 100%sw	5.719
366.00	w cm 30%w 70%m	5.134

Total Length: 851.00 ft      Total Volume: 10.853 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .567@63\*=19,000 ppm

