



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

**17-13-32 Logan,KS**

202 W. Main St.  
Salem IL 62881

**Campbell #4 17**

Job Ticket: 57662

**DST#: 2**

ATTN: Tim Priest

Test Start: 2014.06.05 @ 03:41:15

## GENERAL INFORMATION:

Formation: **B**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 07:35:15  
 Time Test Ended: 14:54:30  
 Interval: **4032.00 ft (KB) To 4055.00 ft (KB) (TVD)**  
 Total Depth: 4055.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Mike Roberts  
 Unit No: 65  
 Reference Elevations: 3043.00 ft (KB)  
 3033.00 ft (CF)  
 KB to GR/CF: 10.00 ft

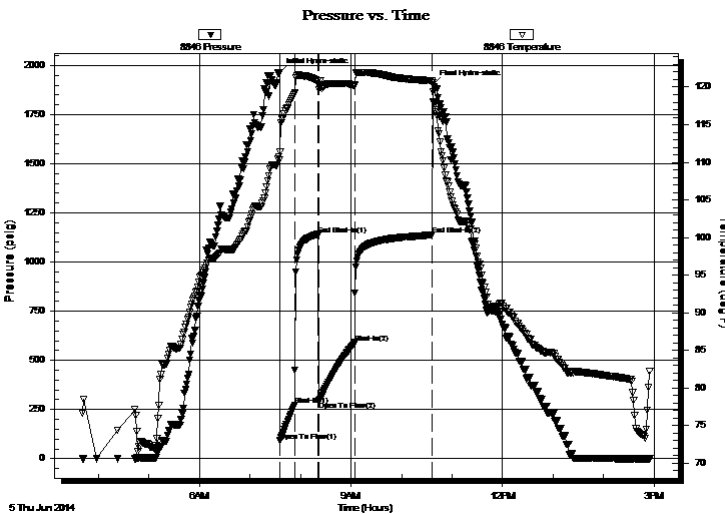
## Serial #: 8846

Inside

Press@RunDepth: 590.57 psig @ 4050.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.06.05 End Date: 2014.06.05 Last Calib.: 2014.06.05  
 Start Time: 03:41:15 End Time: 14:54:30 Time On Btm: 2014.06.05 @ 07:35:00  
 Time Off Btm: 2014.06.05 @ 10:37:30

TEST COMMENT: IF:BOB in 2 min.  
 IS:Return blow built to BOB in 20 min.  
 FF:BOB in 2 min.  
 FS:Return blow built to 1"

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1964.81	110.72	Initial Hydro-static
1	91.02	110.39	Open To Flow (1)
18	272.26	119.13	Shut-In(1)
46	1140.69	120.81	End Shut-In(1)
47	291.26	120.25	Open To Flow (2)
90	590.57	120.19	Shut-In(2)
182	1137.15	120.82	End Shut-In(2)
183	1902.07	119.41	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
180.00	w cm 5%w 95%w	1.45
124.00	gcmow 5%g 5%m 15%o 75%w	1.74
1364.00	gco 20%g 80%o	19.13
0.00	GIP = 558 ft	0.00

\* Recovery from multiple tests

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)



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## FLUID SUMMARY

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### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

18000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbf
180.00	w cm 5%w 95%m	1.450
124.00	gcmow 5%g 5%m 15%o 75%w	1.739
1364.00	gco 20%g 80%o	19.133
0.00	GIP = 558 ft	0.000

Total Length: 1668.00 ft      Total Volume: 22.322 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.309 @ 92.1\* = 18,000 ppm

API 35 @ 80 corrected to 37 @ 60

