



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co

202 W Main St.  
Salem, IL 62881

ATTN: Tim Priest

**Nichols 1-15**

**15-16-34 Scott, KS**

Job Ticket: 43691

**DST#: 6**

Test Start: 2011.09.03 @ 12:11:28

## GENERAL INFORMATION:

Formation: **Pleasanton/ Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:12:23

Time Test Ended: 21:50:53

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

**Interval: 4386.00 ft (KB) To 4453.00 ft (KB) (TVD)**

Reference Elevations: 3130.00 ft (KB)

Total Depth: 4453.00 ft (KB) (TVD)

3120.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8373**

**Inside**

Press @ Run Depth: 666.17 psig @ 4387.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.03

End Date:

2011.09.03

Last Calib.:

2011.09.03

Start Time:

12:11:28

End Time:

21:50:53

Time On Btm:

2011.09.03 @ 14:10:38

Time Off Btm:

2011.09.03 @ 17:20:52

## TEST COMMENT:

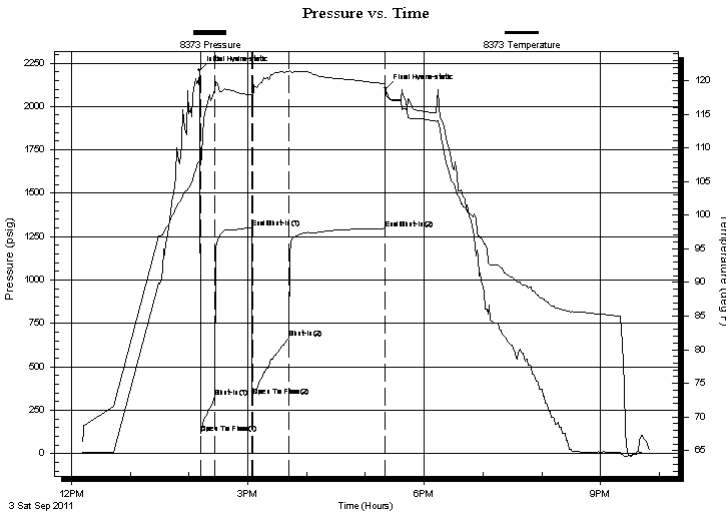
IF: BOB in 2 min.

IS: Surface blow died in 15 min.

FF: BOB in 2 1/2 min.

FS: Surface blow built to 6 in 90 min.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2207.74	108.02	Initial Hydro-static
2	119.57	107.69	Open To Flow (1)
16	323.74	118.51	Shut-In(1)
54	1303.40	117.92	End Shut-In(1)
54	330.56	117.20	Open To Flow (2)
92	666.17	121.32	Shut-In(2)
189	1297.97	119.56	End Shut-In(2)
191	2103.76	118.20	Final Hydro-static

## Recovery

## Gas Rates

Length (ft)	Description	Volume (bbl)
124.00	ocmw 10%o 80%w 10%m	0.62
124.00	gocw m 10%g 10%o 30%w 50%m	1.74
558.00	mw cgo 60%g 20%o 15%w 5%m	7.83
558.00	mw vgo 20%g 60%o 10%w 10%m	7.83
279.00	mw cgo 30%g 40%o 20%w 10%m	3.91
0.00	248 GIP	0.00

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co

**Nichols 1-15**

202 W Main St.  
Salem, IL 62881

**15-16-34 Scott, KS**

Job Ticket: 43691

**DST#: 6**

ATTN: Tim Priest

Test Start: 2011.09.03 @ 12:11:28

## 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:

26000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in<sup>3</sup>

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
124.00	ocmw 10%o 80%w 10%m	0.619
124.00	gocw m 10%g 10%o 30%w 50%m	1.739
558.00	mw cgo 60%g 20%o 15%w 5%m	7.827
558.00	mw vgo 20%g 60%o 10%w 10%m	7.827
279.00	mw cgo 30%g 40%o 20%w 10%m	3.914
0.00	248 GIP	0.000

Total Length: 1643.00 ft      Total Volume: 21.926 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .28@68= 26000

### Pressure vs. Time

