



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Company Inc.

**Younkin 1-2**

202 W Main ST  
Salem IL, 62881-1519

**2-14-34w**

Job Ticket: 042674

**DST#: 1**

ATTN: Kevin Bailey

Test Start: 2011.07.14 @ 03:30:00

## GENERAL INFORMATION:

Formation: **Kansas City "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:32:00

Time Test Ended: 12:11:00

Test Type: Conventional Bottom Hole

Tester: Jace McKinney

Unit No: 28

**Interval: 4035.00 ft (KB) To 4066.00 ft (KB) (TVD)**

Reference Elevations: 2920.00 ft (KB)

Total Depth: 4066.00 ft (KB) (TVD)

2910.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8675**

**Inside**

Press @ Run Depth: 382.39 psig @ 4036.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.14

End Date:

2011.07.14

Last Calib.:

2011.07.14

Start Time: 03:30:01

End Time:

12:11:00

Time On Btm:

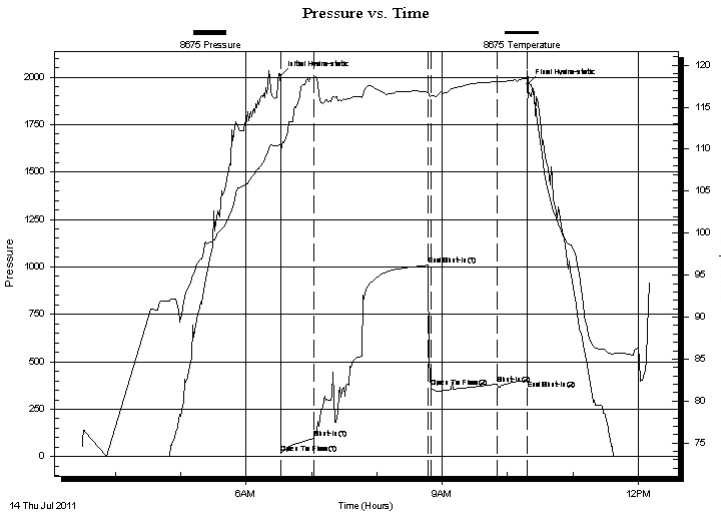
2011.07.14 @ 06:31:45

Time Off Btm:

2011.07.14 @ 10:18:45

**TEST COMMENT:** B.O.B. in 29 min.  
Built To 2" Return Blow  
Built to 41/2" Blow  
B.O.B. in 42 min.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2008.65	110.52	Initial Hydro-static
1	20.03	109.83	Open To Flow (1)
31	97.55	118.52	Shut-In(1)
136	1008.48	116.84	End Shut-In(1)
138	368.49	116.41	Open To Flow (2)
199	382.39	118.01	Shut-In(2)
226	402.43	118.43	End Shut-In(2)
227	1964.00	118.08	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	1260' Gas In Pipe	0.00
420.00	MCW 20%M 80%W	5.07
240.00	MCW 40%m 60%w	3.37

## 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:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1260' Gas In Pipe	0.000
420.00	MCW 20%M 80%W	5.072
240.00	MCW 40%m 60%w	3.367

Total Length: 660.00 ft      Total Volume: 8.439 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .13 @ 90 F = 55,000

### Pressure vs. Time

