



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil  
202 West Main St  
Salem, IL  
62881  
ATTN: Tim Priest

**11-13s-32w Logan, Ks**

**T & J Farming #1-11**

Job Ticket: 44961

**DST#: 2**

Test Start: 2012.03.08 @ 03:15:42

## GENERAL INFORMATION:

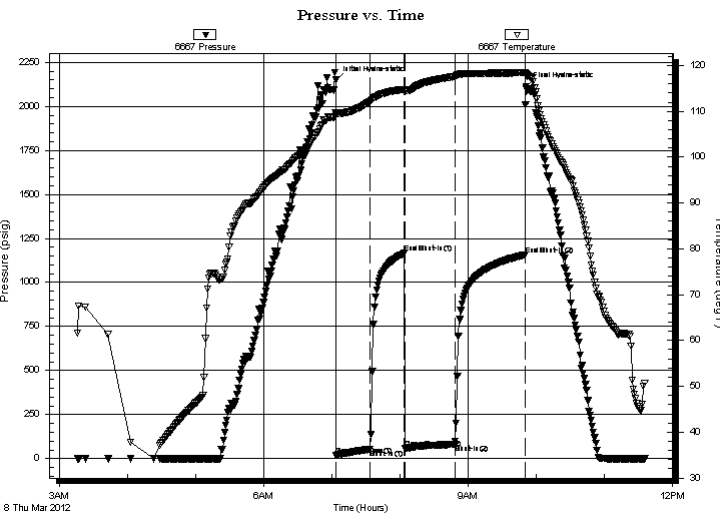
Formation: **K**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 07:03:12  
 Time Test Ended: 11:55:42  
 Interval: **4271.00 ft (KB) To 4310.00 ft (KB) (TVD)**  
 Total Depth: 4310.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Shane McBride  
 Unit No: 55  
 Reference Elevations: 3017.00 ft (KB)  
 3008.00 ft (CF)  
 KB to GR/CF: 9.00 ft

## Serial #: 6667

**Outside**

Press @ Run Depth: 81.57 psig @ 4272.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.03.08 End Date: 2012.03.08 Last Calib.: 2012.03.08  
 Start Time: 03:15:42 End Time: 11:35:42 Time On Btm: 2012.03.08 @ 07:02:57  
 Time Off Btm: 2012.03.08 @ 09:50:42

TEST COMMENT: 1" in blow  
 No return  
 1 1/4" in blow  
 No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2148.69	109.77	Initial Hydro-static
1	17.04	109.34	Open To Flow (1)
31	54.18	112.14	Shut-In(1)
61	1165.35	114.77	End Shut-In(1)
61	57.14	114.45	Open To Flow (2)
105	81.57	117.64	Shut-In(2)
167	1157.32	118.44	End Shut-In(2)
168	2111.32	118.16	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	s m c w 15% m 85% w w/oil spots	0.30
30.00	m c w 40% m 60% w w/oil spots	0.15
30.00	s w c m 15% w 85% m w/oil spots	0.15
0.00	show of oil on top 2" in	0.00

\* Recovery from multiple tests

## 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: 41500 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.98 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3000.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	s m c w 15%m 85%w w/oil spots	0.295
30.00	m c w 40%m 60%w w/oil spots	0.148
30.00	s w c m 15%w 85%m w/oil spots	0.148
0.00	show of oil on top 2" in	0.000

Total Length: 120.00 ft      Total Volume: 0.591 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: rw .278 @ 40\*f = 41,500 chlor

