

**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. INC,

**4-16s-34w Scott county KS**

202 W Main ST  
Salem IL, 62881

**McDaniel 1-4**

Job Ticket: 57742

**DST#: 6**

ATTN: Tim Priest

Test Start: 2014.10.12 @ 08:48:00

## GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 11:22:55

Time Test Ended: 17:22:55

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 71

**Interval: 4650.00 ft (KB) To 4720.00 ft (KB) (TVD)**

Reference Elevations: 3144.00 ft (KB)

Total Depth: 4720.00 ft (KB) (TVD)

3136.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

**Serial #: 8674 Inside**

Press @ Run Depth: 75.26 psig @ 4652.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.12

End Date: 2014.10.12

Last Calib.: 2014.10.12

Start Time: 08:48:00

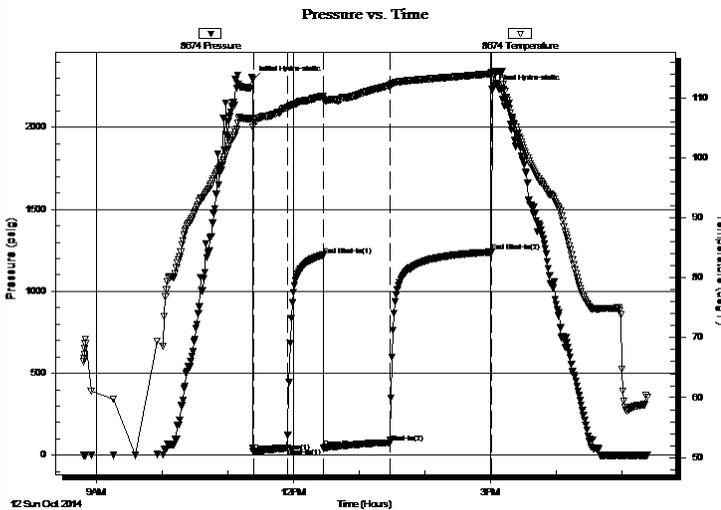
End Time: 17:22:55

Time On Btm: 2014.10.12 @ 11:22:25

Time Off Btm: 2014.10.12 @ 15:01:09

**TEST COMMENT:** IF- Weak Surface Blow Built to 1"  
IS- No Blow  
FF- Weak Surface Blow Built to 1 1/2"  
FS- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2291.23	106.69	Initial Hydro-static
1	21.58	106.06	Open To Flow (1)
32	42.88	108.44	Shut-In(1)
65	1221.35	110.36	End Shut-In(1)
65	45.45	109.78	Open To Flow (2)
125	75.26	112.12	Shut-In(2)
219	1240.47	114.11	End Shut-In(2)
219	2231.25	114.42	Final Hydro-static

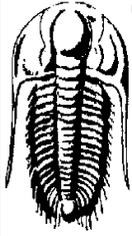
## Recovery

Length (ft)	Description	Volume (bbl)
124.00	WCM 2%w 98%m with a Skim of Oil on	0.61
20.00	100%m with Oil Spots	0.28

## Gas Rates

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

\* Recovery from multiple tests



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**FLUID SUMMARY**

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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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	WCM 2%w 98%m with a Skim of Oil on To	0.610
20.00	100%m with Oil Spots	0.281

Total Length: 144.00 ft      Total Volume: 0.891 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

