



**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: 57741

DST#: 5

ATTN: Tim Priest

Test Start: 2014.10.11 @ 09:52:00

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 11:46:40

Time Test Ended: 16:00:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 71

Interval: 4556.00 ft (KB) To 4600.00 ft (KB) (TVD)

Reference Elevations: 3144.00 ft (KB)

Total Depth: 4600.00 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: 17.70 psig @ 4558.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.11

End Date:

2014.10.11

Last Calib.: 2014.10.11

Start Time: 09:52:00

End Time:

16:00:24

Time On Btm: 2014.10.11 @ 11:46:25

Time Off Btm: 2014.10.11 @ 13:53:25

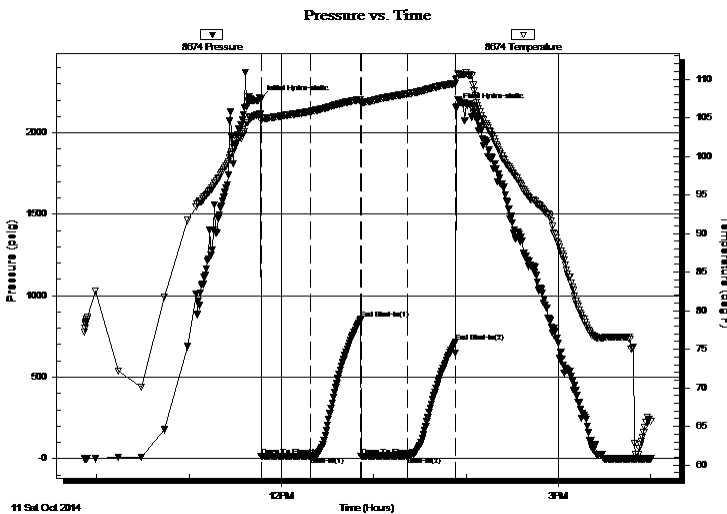
TEST COMMENT: IF- Weak Surface Blow

IS- No Blow

FF- No Blow

FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2206.07	105.46	Initial Hydro-static
1	13.12	104.63	Open To Flow (1)
33	15.23	105.83	Shut-In(1)
65	854.28	107.39	End Shut-In(1)
66	16.02	106.91	Open To Flow (2)
96	17.70	108.10	Shut-In(2)
127	713.54	109.42	End Shut-In(2)
127	2151.13	109.93	Final Hydro-static

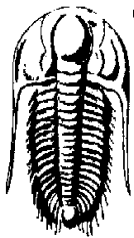
Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% m w ith Oil Spots	0.02

* 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:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% m with Oil Spots	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8674

Inside

Shakespeare Oil Co. INC,

McDaniel 1-4

DST Test Number: 5

