



**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: 57739

DST#: 3

ATTN: Tim Priest

Test Start: 2014.10.09 @ 20:26:00

GENERAL INFORMATION:

Formation: **Marmanton " A "**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 22:52:25

Time Test Ended: 03:00:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 71

Interval: 4417.00 ft (KB) To 4475.00 ft (KB) (TVD)

Reference Elevations: 3144.00 ft (KB)

Total Depth: 4475.00 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@RunDepth: 16.76 psig @ 4419.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.09

End Date:

2014.10.10

Last Calib.:

2014.10.10

Start Time: 20:26:00

End Time:

03:00:39

Time On Btm:

2014.10.09 @ 22:52:10

Time Off Btm:

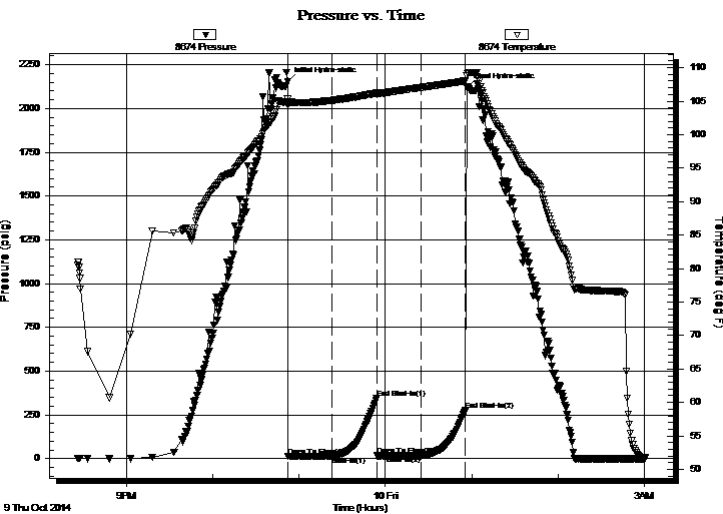
2014.10.10 @ 00:56:24

TEST COMMENT: IF- Weak Surface Blow 1/2"

IS- No Blow

FF- No Blow

FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2152.17	105.32	Initial Hydro-static
1	14.00	104.45	Open To Flow (1)
31	15.59	105.12	Shut-In(1)
62	343.42	106.21	End Shut-In(1)
62	16.25	106.03	Open To Flow (2)
93	16.76	107.05	Shut-In(2)
124	273.79	108.03	End Shut-In(2)
125	2121.49	108.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	OCM 37%oil 63%m	0.02
1.00	100%oil	0.00

* Recovery from multiple tests

Gas Rates

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



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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: 49.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.96 in³

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 bbf
4.00	OCM 37%oil 63%m	0.020
1.00	100%oil	0.005

Total Length: 5.00 ft Total Volume: 0.025 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

