



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: 57740

DST#: 4

ATTN: Tim Priest

Test Start: 2014.10.10 @ 13:04:00

GENERAL INFORMATION:

Formation: **Marmanton " B - C "**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 15:43:40

Time Test Ended: 20:04:54

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 71

Interval: 4473.00 ft (KB) To 4520.00 ft (KB) (TVD)

Reference Elevations: 3144.00 ft (KB)

Total Depth: 4520.00 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: 20.78 psig @ 4474.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.10

End Date:

2014.10.10

Last Calib.: 2014.10.10

Start Time: 13:04:00

End Time:

20:04:54

Time On Btm: 2014.10.10 @ 15:43:10

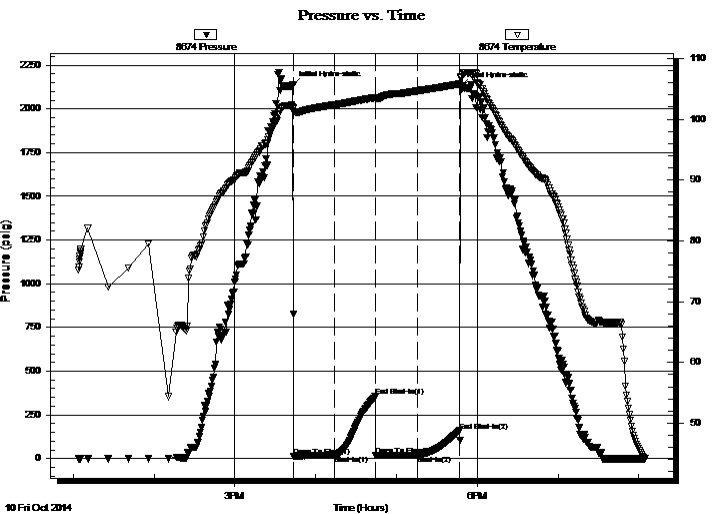
Time Off Btm: 2014.10.10 @ 17:47:24

TEST COMMENT: IF- Weak Surface Blow 1/4"

IS- No Blow

FF- No Blow

FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2134.43	101.96	Initial Hydro-static
1	13.45	101.16	Open To Flow (1)
31	18.87	102.36	Shut-In(1)
62	354.91	103.56	End Shut-In(1)
62	19.75	103.36	Open To Flow (2)
93	20.78	104.65	Shut-In(2)
124	158.73	105.79	End Shut-In(2)
125	2126.64	106.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	WCM 3%w 97% m with a Skim of Oil on 0.02	

* Recovery from multiple tests

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co. INC,

4-16s-34w Scott county KS

202 W Main ST
Salem IL, 62881

McDaniel 1-4

Job Ticket: 57740

DST#: 4

ATTN: Tim Priest

Test Start: 2014.10.10 @ 13:04:00

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:

bbl

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	WCM 3%w 97%m with a Skim of Oil on To	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

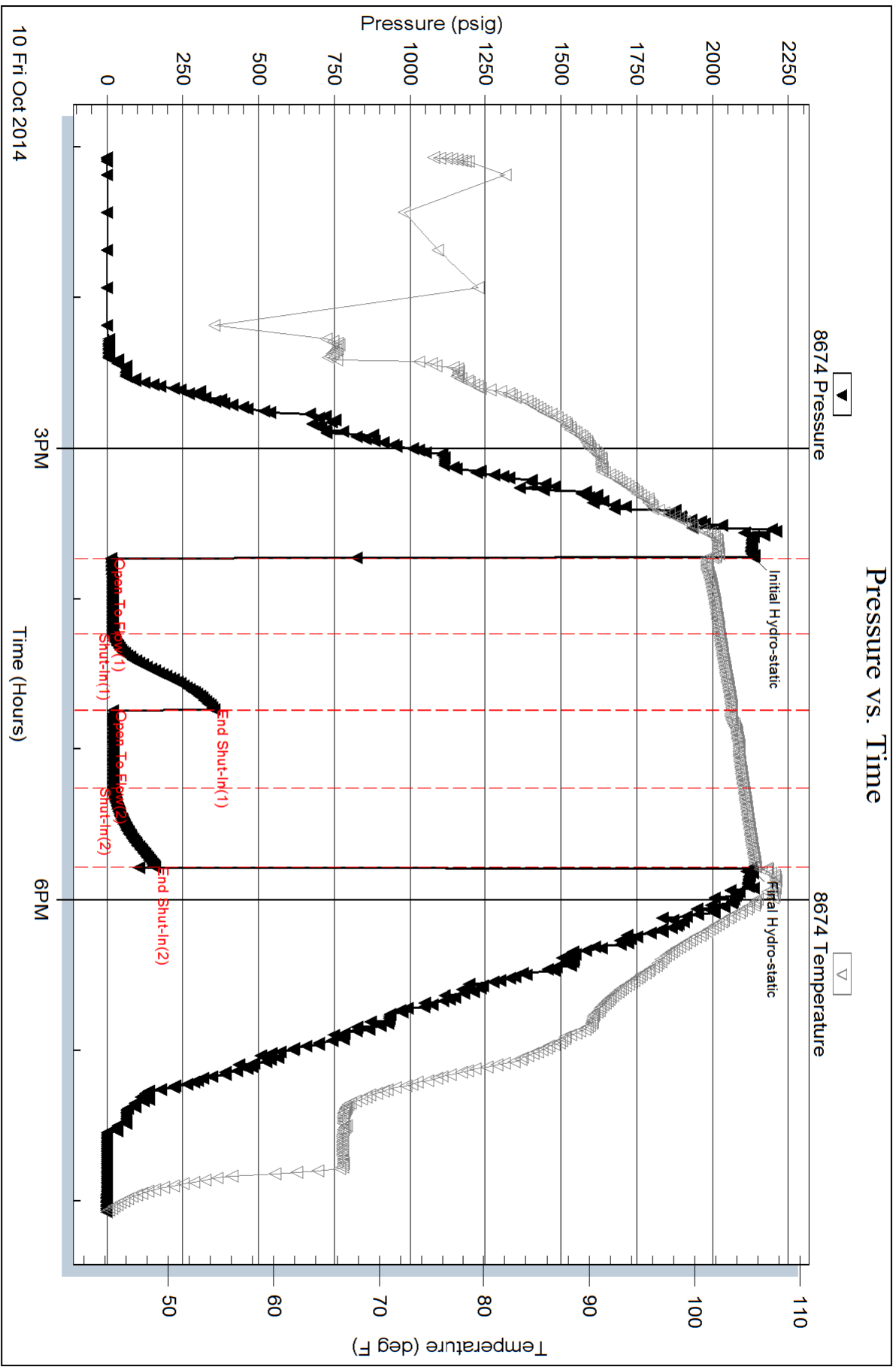
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 8355

Outside Shakespeare Oil Co. INC,

McDaniel 1-4

DST Test Number: 4

