



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Inc  
202 W Main St  
Salem, IL  
62881-1519  
ATTN: Tim Priest

**21-16s-34w Scott, Ks**

**Bahm #2-21**

Job Ticket: 59100

**DST#: 4**

Test Start: 2014.11.01 @ 09:00:25

## GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 10:58:55

Time Test Ended: 16:20:40

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

**Interval: 4669.00 ft (KB) To 4745.00 ft (KB) (TVD)**

Total Depth: 4745.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3144.00 ft (KB)

3135.00 ft (CF)

KB to GR/CF: 9.00 ft

**Serial #: 6771 Inside**

Press @ Run Depth: 44.99 psig @ 4670.00 ft (KB)

Start Date: 2014.11.01

End Date:

2014.11.01

Start Time: 09:00:25

End Time:

16:08:40

Capacity: 8000.00 psig

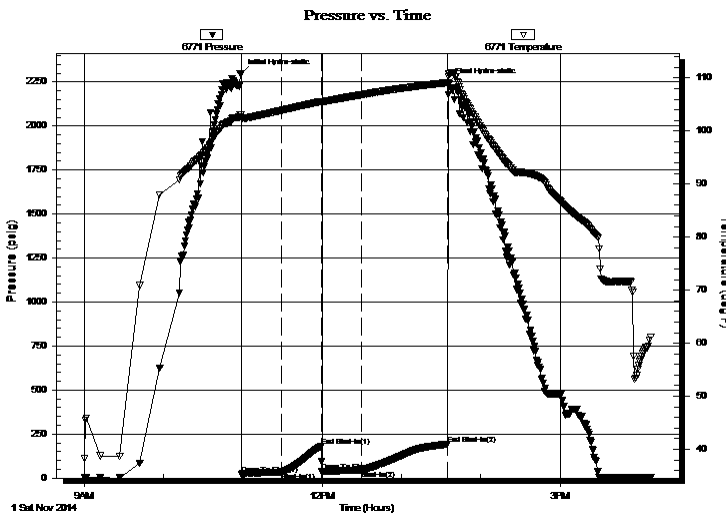
Last Calib.: 2014.11.01

Time On Btm: 2014.11.01 @ 10:58:40

Time Off Btm: 2014.11.01 @ 13:35:40

**TEST COMMENT:** 1/2" in @ open, died in 30 min.  
No return  
Very weak surface blow, died in 10 min.  
No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2295.66	103.12	Initial Hydro-static
1	21.20	102.45	Open To Flow (1)
31	34.93	103.91	Shut-In(1)
61	179.24	105.56	End Shut-In(1)
61	39.95	105.53	Open To Flow (2)
91	44.99	106.84	Shut-In(2)
157	194.22	109.15	End Shut-In(2)
157	2245.28	110.77	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud w/oil spots 100% m	0.30
0.00	show of oil (tar) on top 3" in	0.00

## Gas Rates

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

\* Recovery from multiple tests



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Total Depth: 4745.00 ft (KB) (TVD)

3135.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

**Serial #: 8844 Outside**

Press @ Run Depth: psig @ 4670.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.01

End Date:

2014.11.01

Last Calib.:

2014.11.01

Start Time: 09:00:58

End Time:

16:08:43

Time On Btm:

Time Off Btm:

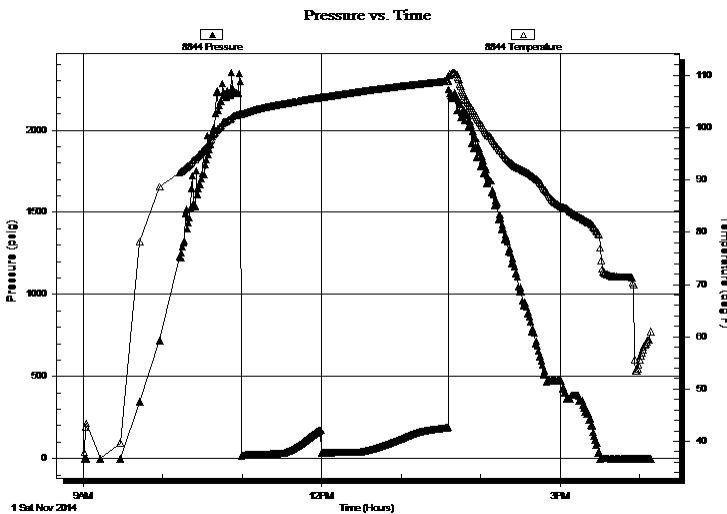
TEST COMMENT: 1/2" in @ open, died in 30 min.

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Very weak surface blow, died in 10 min.

No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud w/oil spots 100% m	0.30
0.00	show of oil (tar) on top 3" in	0.00

## Gas Rates

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

\* Recovery from multiple tests



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**FLUID SUMMARY**

Shakespeare Oil Inc

**21-16s-34w Scott, Ks**

202 W Main St  
Salem, IL  
62881-1519

**Bahm #2-21**

Job Ticket: 59100

**DST#: 4**

ATTN: Tim Priest

Test Start: 2014.11.01 @ 09:00:25

## 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:

0 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7700.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	mud w/oil spots 100%m	0.295
0.00	show of oil (tar) on top 3" in	0.000

Total Length: 60.00 ft      Total Volume: 0.295 bbl

Num Fluid Samples: 0

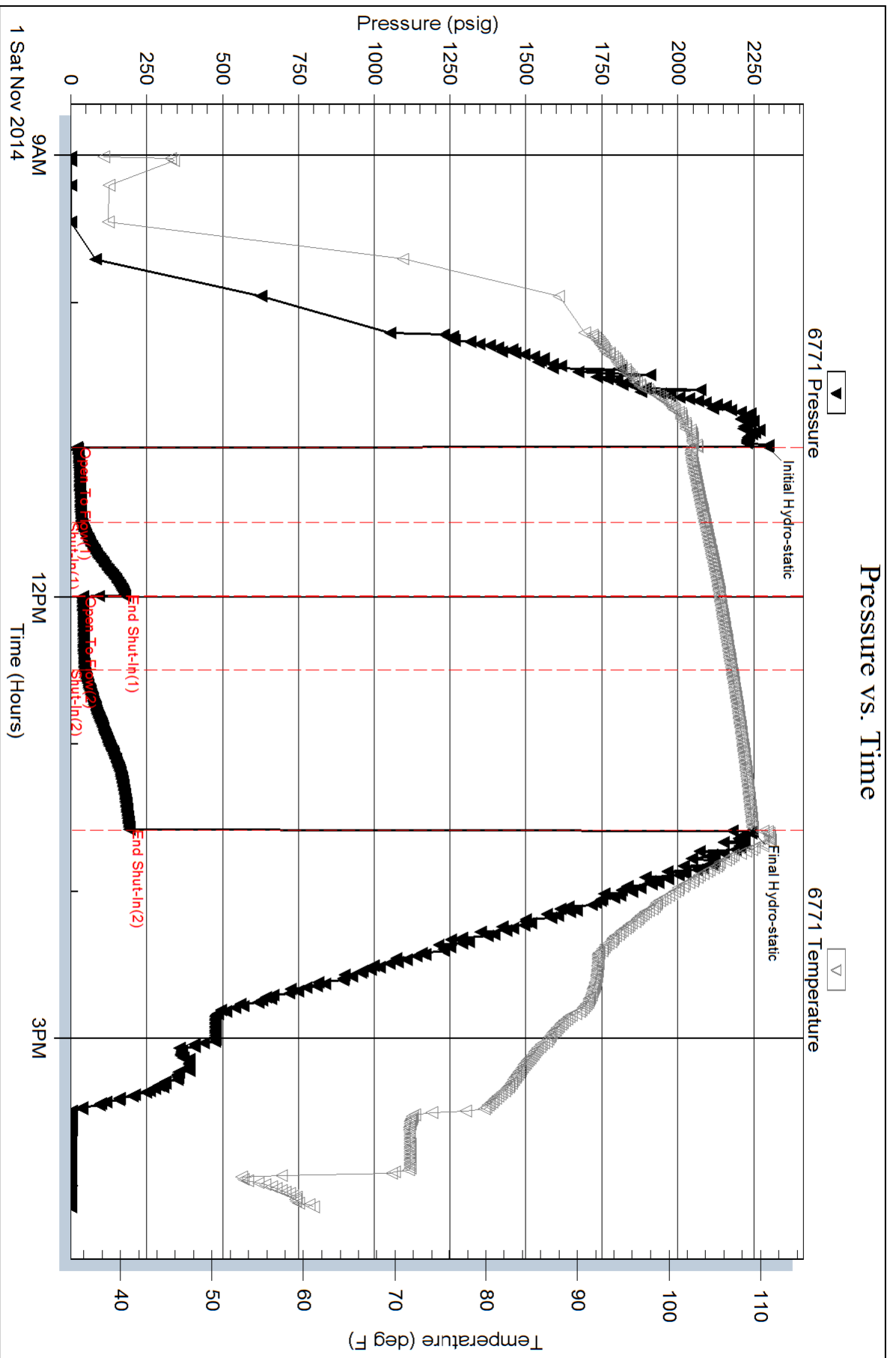
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 8844

Outside Shakespeare Oil Inc

Bahm #2-21

DST Test Number: 4

