



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespear Oil Co. Inc.

**9-14s-32w Logan Co. KS**

202 W Main St  
Salem IL 62881

**Ottley #1-9**

Job Ticket: 45145

**DST#: 4**

ATTN: Tim Priest

Test Start: 2012.03.19 @ 17:52:00

## GENERAL INFORMATION:

Formation: **Lansing I & J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:47:55

Time Test Ended: 00:49:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 40

**Interval: 4017.00 ft (KB) To 4072.00 ft (KB) (TVD)**

Reference Elevations: 2833.00 ft (KB)

Total Depth: 4072.00 ft (KB) (TVD)

2823.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8652 Inside**

Press @ Run Depth: 56.55 psig @ 4018.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.19

End Date:

2012.03.20

Last Calib.:

2012.03.20

Start Time:

17:52:00

End Time:

00:49:24

Time On Btm:

2012.03.19 @ 19:47:40

Time Off Btm:

2012.03.19 @ 22:37:09

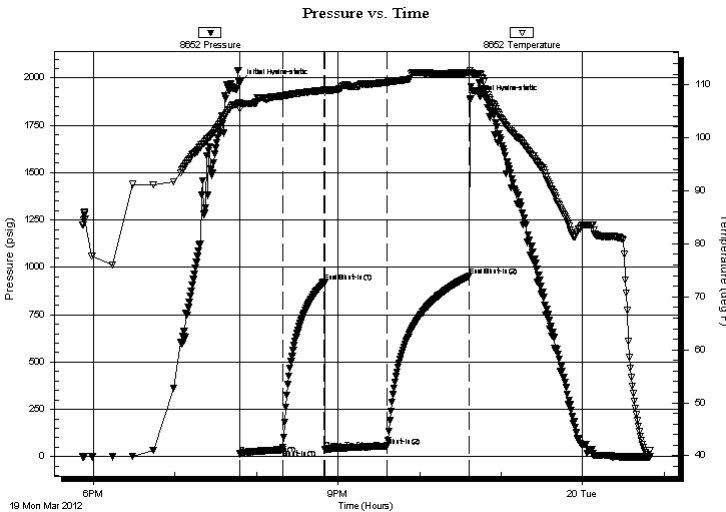
**TEST COMMENT:** IF- Weak Surface Blow Built to 3/4"

IS- No Blow

FF- Weak Surface Blow in 7min

FS- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1972.88	106.65	Initial Hydro-static
1	14.86	105.43	Open To Flow (1)
32	37.22	107.87	Shut-In(1)
63	924.01	108.95	End Shut-In(1)
63	40.02	108.59	Open To Flow (2)
109	56.55	110.44	Shut-In(2)
169	953.04	112.24	End Shut-In(2)
170	1884.13	112.70	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
35.00	WCM 3%w 97% Mud with Oil Spots	0.17

\* Recovery from multiple tests

## Gas Rates

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





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**FLUID SUMMARY**

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Salem IL 62881

**Ottley #1-9**

Job Ticket: 45145

**DST#: 4**

ATTN: Tim Priest

Test Start: 2012.03.19 @ 17:52:00

### 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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 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 bbbl
35.00	WCM 3%w 97% Mud with Oil Spots	0.172

Total Length: 35.00 ft      Total Volume: 0.172 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

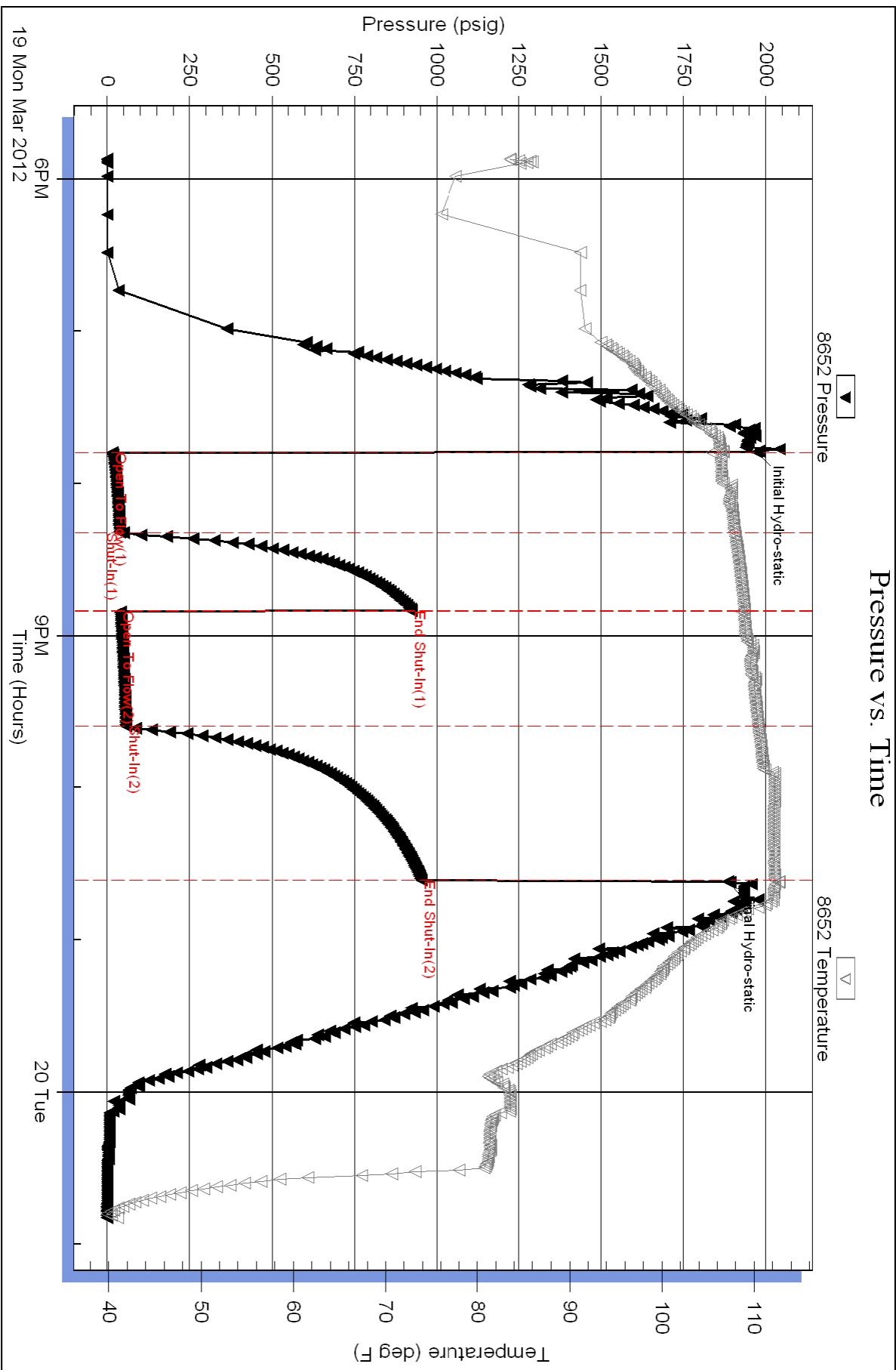
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Inside

Shakespeare Oil Co. Inc.

Ottley #1-9

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 45145

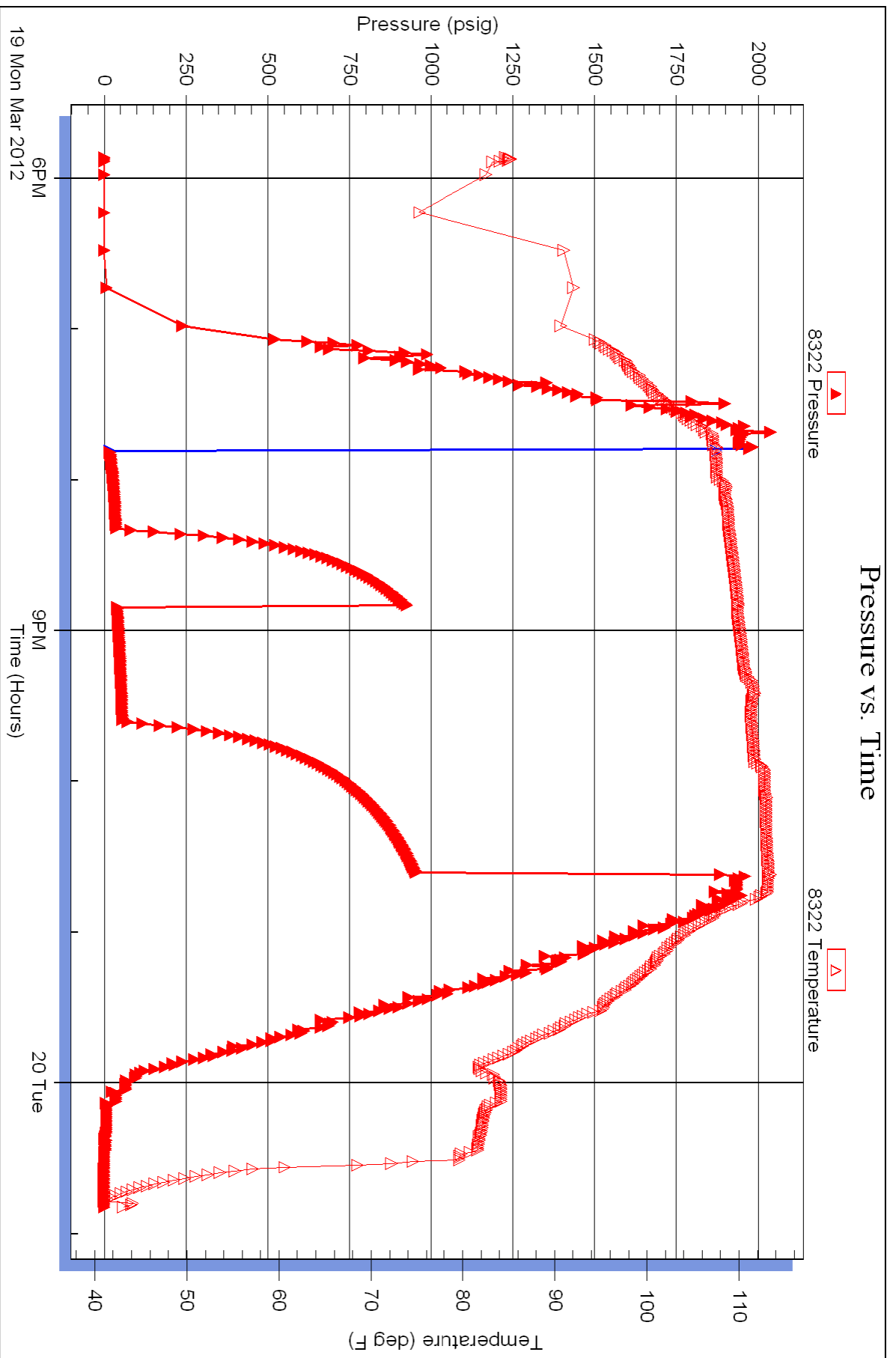
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Serial #: 8322

Outside Shakespeare Oil Co. Inc.

Oilley #1-9

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 45145

Printed: 2012.03.20 @ 09:41:58