



**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: 45144

**DST#: 3**

ATTN: Tim Priest

Test Start: 2012.03.18 @ 17:16:00

## GENERAL INFORMATION:

Formation: **Lansing "C-D-E-F"**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 19:05:10  
 Tester: Will MacLean  
 Time Test Ended: 00:41:54  
 Unit No: 40  
 Interval: **3878.00 ft (KB) To 3940.00 ft (KB) (TVD)**  
 Reference Elevations: 2833.00 ft (KB)  
 Total Depth: 3940.00 ft (KB) (TVD)  
 2823.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Good  
 KB to GR/CF: 10.00 ft

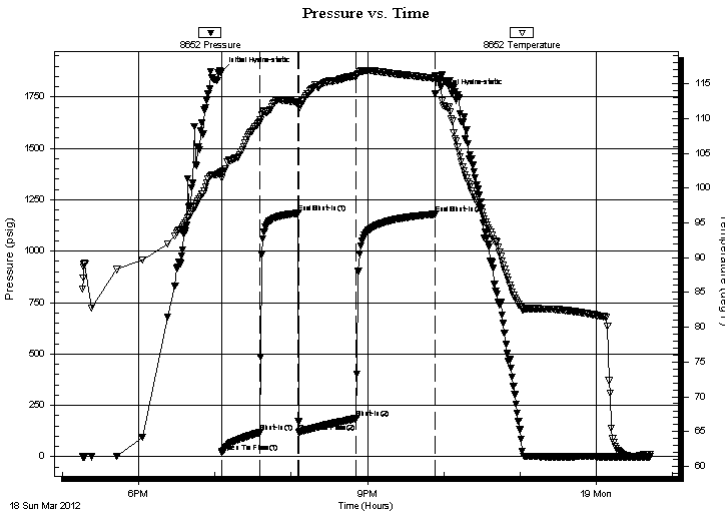
## Serial #: 8652

Inside

Press @ Run Depth: 185.72 psig @ 3880.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.03.18 End Date: 2012.03.19 Last Calib.: 2012.03.19  
 Start Time: 17:16:00 End Time: 00:41:54 Time On Btm: 2012.03.18 @ 19:04:55  
 Time Off Btm: 2012.03.18 @ 21:53:09

**TEST COMMENT:** IF- Surface Blow Built to BOB in 23min  
 IS- No Blow  
 FF- Weak Surface Blow Built to 6 3/4"  
 FS- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1874.67	102.33	Initial Hydro-static
1	19.11	101.44	Open To Flow (1)
31	116.65	109.47	Shut-In(1)
61	1185.11	112.36	End Shut-In(1)
61	119.84	111.89	Open To Flow (2)
107	185.72	116.19	Shut-In(2)
168	1179.38	115.80	End Shut-In(2)
169	1765.82	116.17	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	OMCW 1%oil 4%m 95%w	0.59
122.00	OMCW 2%oil 16%m 82%w	1.68
61.00	OMCW 1%oil 22%m 77%w	0.86
56.00	GOMCW 3%g 4%oil 40%m 53%w	0.79
20.00	GO 5%g 95%oil	0.28

\* Recovery from multiple tests

## Gas Rates

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



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**FLUID SUMMARY**

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**Ottley #1-9**

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**DST#: 3**

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## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

26 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

45000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
120.00	OMCW 1%oil 4%m 95%w	0.590
122.00	OMCW 2%oil 16%m 82%w	1.684
61.00	OMCW 1%oil 22%m 77%w	0.856
56.00	GOMCW 3%g 4%oil 40%m 53%w	0.786
20.00	GO 5%g 95%oil	0.281

Total Length: 379.00 ft      Total Volume: 4.197 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API is 26 @ 60f = 26

RW is .219 @ 52f = 45000

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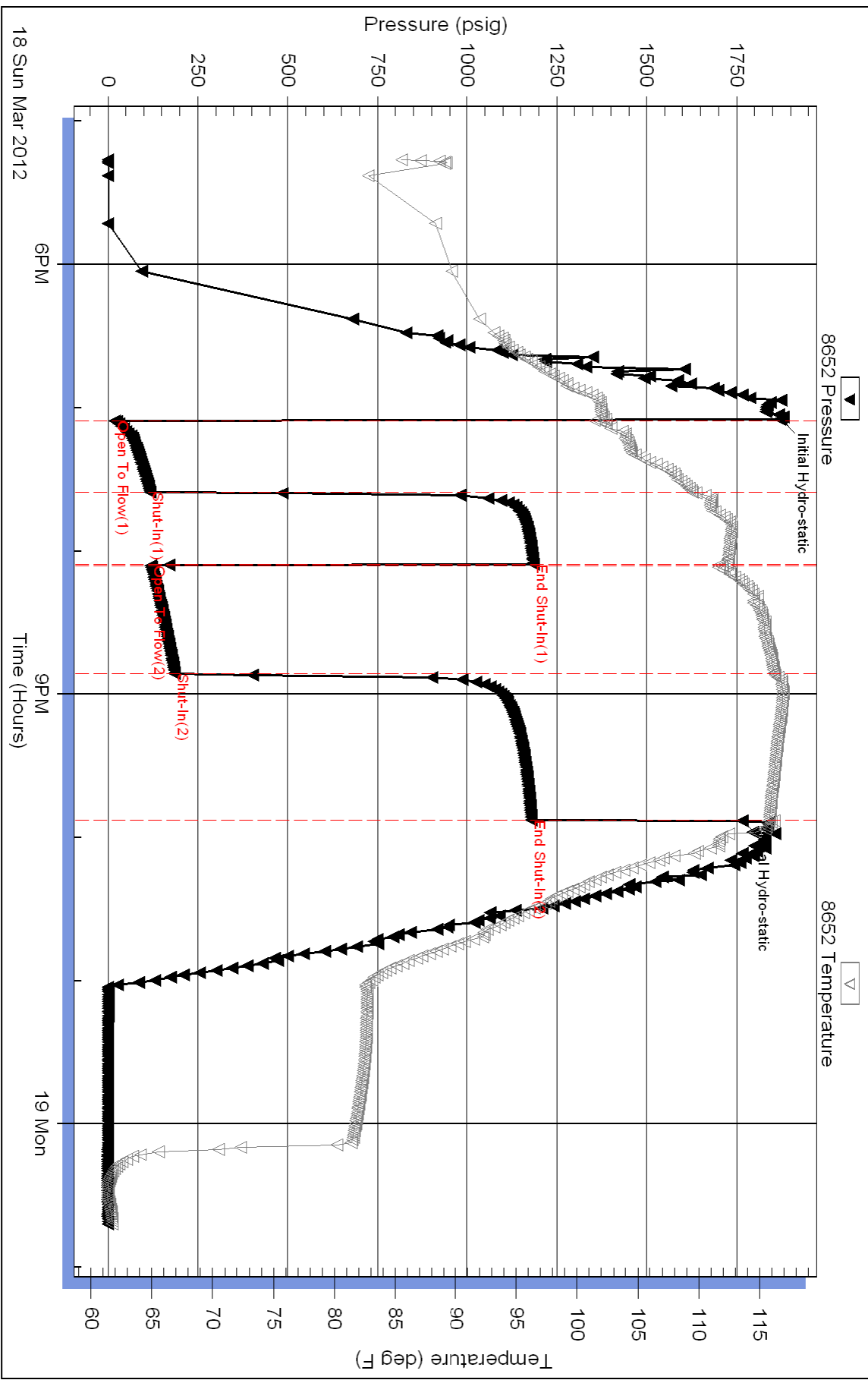
Inside

Shakespeare Oil Co. Inc.

Oilkey #1-9

DST Test Number: 3

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 45144

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