



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

**16-14s-32w Logan Co. KS**

202 W. Main St.  
Salem IL 62881

**Ottley # 3-16**

Job Ticket: 48829

**DST#: 3**

ATTN: Tim Priest

Test Start: 2012.08.22 @ 19:14:00

## GENERAL INFORMATION:

Formation: **LKC " E - F "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:34:25

Time Test Ended: 01:29:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 40

**Interval: 3863.00 ft (KB) To 3878.00 ft (KB) (TVD)**

Reference Elevations: 2773.00 ft (KB)

Total Depth: 3878.00 ft (KB) (TVD)

2763.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8360**

**Inside**

Press @ Run Depth: 74.81 psig @ 3865.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.08.22

End Date:

2012.08.23

Last Calib.:

2012.08.23

Start Time:

19:14:00

End Time:

01:29:09

Time On Btm:

2012.08.22 @ 20:34:10

Time Off Btm:

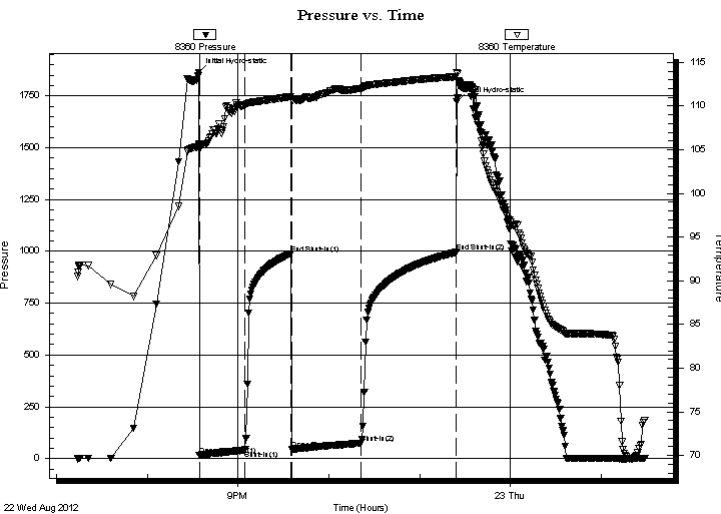
2012.08.22 @ 23:24:25

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

IS- No Blow

FF- Weak Surface Blow Built to 3/4"

FS- No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1864.35	105.64	Initial Hydro-static
1	15.30	105.07	Open To Flow (1)
31	40.80	110.12	Shut-In(1)
61	989.75	111.07	End Shut-In(1)
62	44.51	110.70	Open To Flow (2)
108	74.81	112.01	Shut-In(2)
170	995.56	113.35	End Shut-In(2)
171	1722.29	113.85	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	OMCW 1%oil 16%m 83%w	0.30
70.00	OMCW 4%oil 20%m 76%w	0.34

\* Recovery from multiple tests

## Gas Rates

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



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**FLUID SUMMARY**

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Test Start: 2012.08.22 @ 19:14:00

## 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:

31000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.57 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 bbf
60.00	OMCW 1%oil 16%m 83%w	0.295
70.00	OMCW 4%oil 20%m 76%w	0.344

Total Length: 130.00 ft      Total Volume: 0.639 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .211 @ 73f = 31000

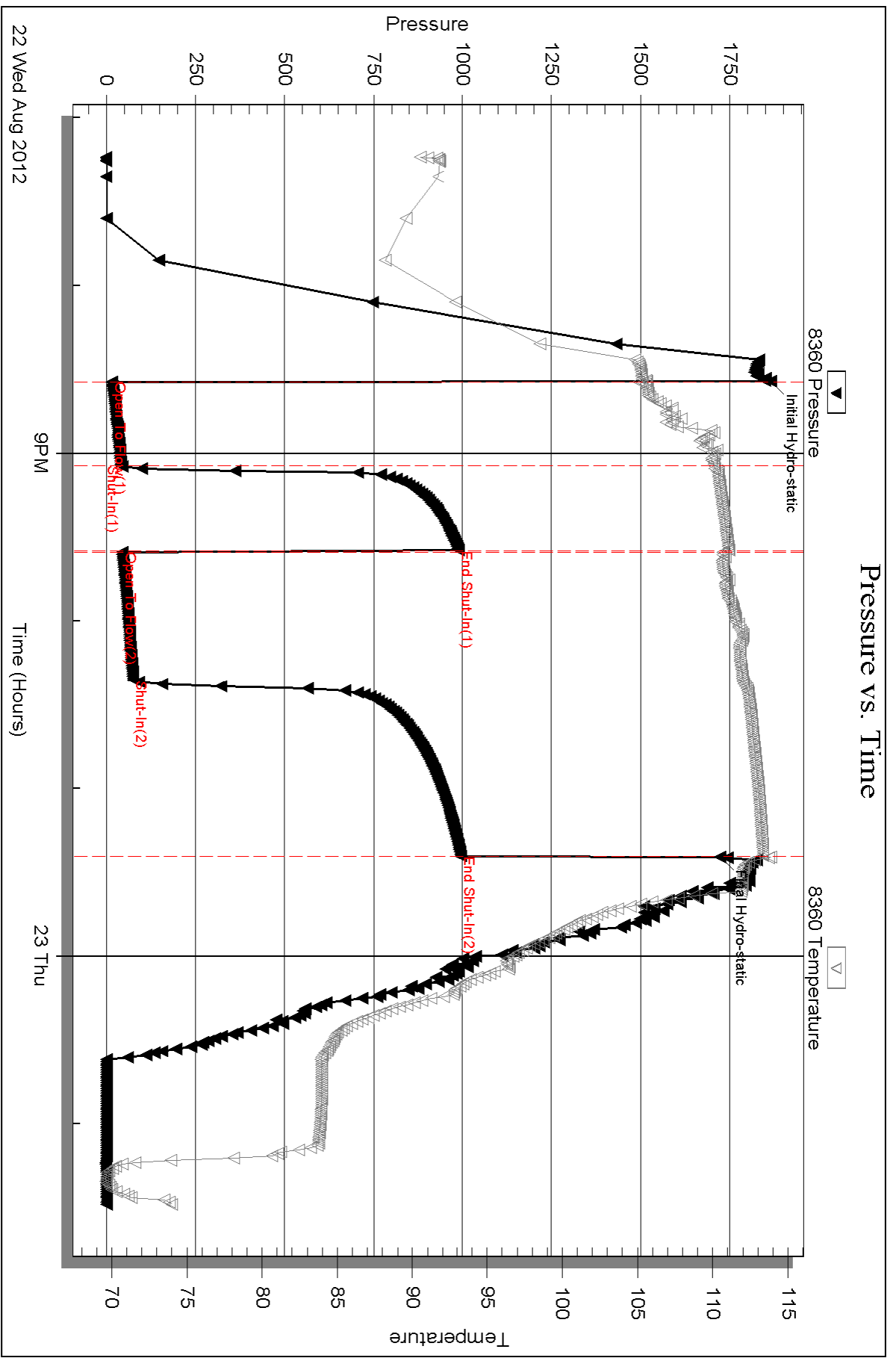
Serial #: 8360

Inside

Shakespeare Oil Co. Inc

Oilley # 3-16

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 48829

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