



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

**S3-13s-32w Logan, KS**

202 W Main  
Salem, IL 62881

**Andersen #1-3**

Job Ticket: 57199

**DST#: 3**

ATTN: Tim Priest

Test Start: 2014.08.12 @ 21:07:00

## GENERAL INFORMATION:

Formation: **LKC 'I'**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 23:42:20  
 Time Test Ended: 04:20:50  
 Interval: **4221.00 ft (KB) To 4248.00 ft (KB) (TVD)**  
 Total Depth: 4248.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Chuck Smith  
 Unit No: 61  
 Reference Elevations: 3045.00 ft (KB)  
 3035.00 ft (CF)  
 KB to GR/CF: 10.00 ft

## Serial #: 8357

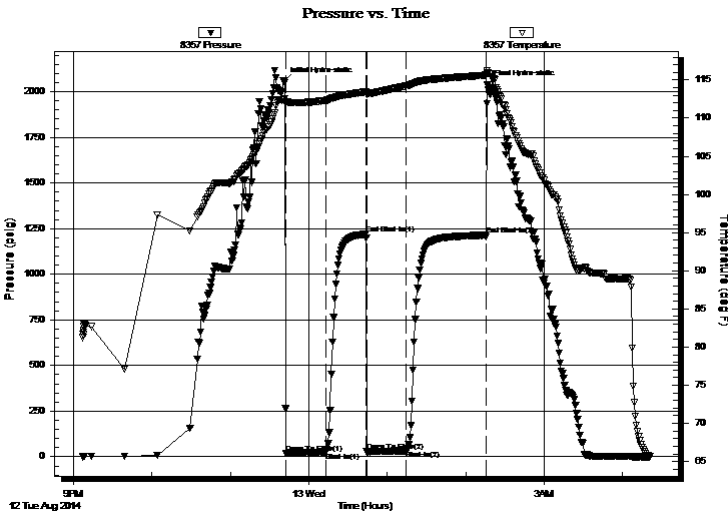
Inside

Press@RunDepth: 32.55 psig @ 4225.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.08.12 End Date: 2014.08.13 Last Calib.: 2014.08.13  
 Start Time: 21:07:02 End Time: 04:20:50 Time On Btm: 2014.08.12 @ 23:40:50  
 Time Off Btm: 2014.08.13 @ 02:16:30

TEST COMMENT: 30- Surface blow thru-out.  
 30- No return.  
 30- No blow .  
 60- No return.

## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2055.08	112.40	Initial Hydro-static
2	18.97	112.08	Open To Flow (1)
32	25.60	112.33	Shut-In(1)
63	1219.98	113.45	End Shut-In(1)
64	26.75	113.05	Open To Flow (2)
94	32.55	114.22	Shut-In(2)
155	1214.64	115.63	End Shut-In(2)
156	2036.75	115.98	Final Hydro-static



## Recovery

Length (ft)	Description	Volume (bbl)
20.00	OSM 100m	0.10

\* Recovery from multiple tests

## Gas Rates

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



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## 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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	OSM 100m	0.098

Total Length: 20.00 ft      Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8357

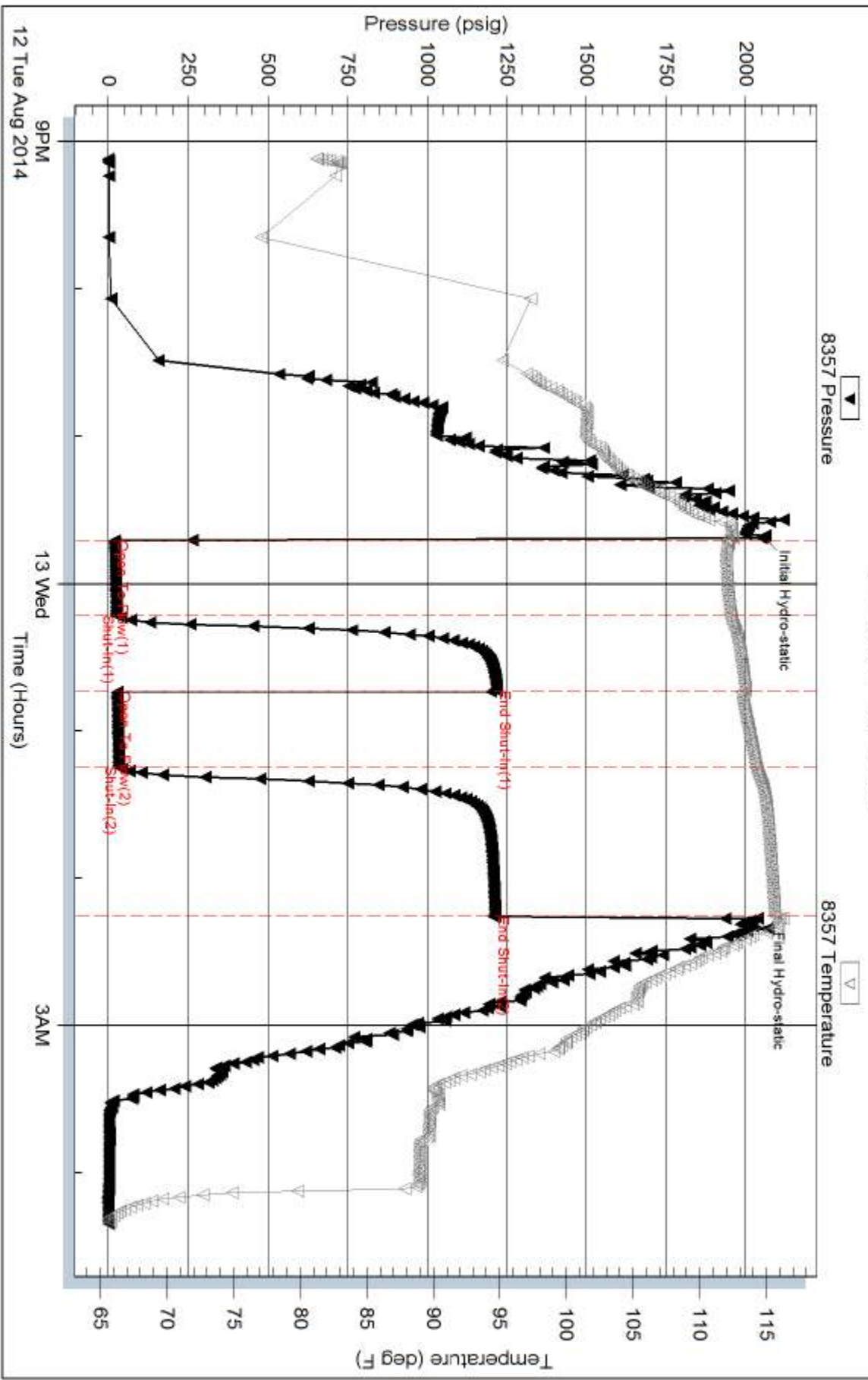
Inside

Shakespeare Oil Co. Inc.

Andersen #1-3

DST Test Number: 3

### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 57199

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