



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

**S28-14s-32w Logan/KS**

202 W Main  
Salem, IL 62881

**Ottley 3-28**

Job Ticket: 61701

**DST#: 1**

ATTN: Tim Priest

Test Start: 2015.08.09 @ 21:38:00

## GENERAL INFORMATION:

Formation: **LKC 'A-B'**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 23:05:10  
 Tester: Chuck Smith  
 Time Test Ended: 03:51:00  
 Unit No: 61  
 Interval: **3629.00 ft (KB) To 3690.00 ft (KB) (TVD)**  
 Reference Elevations: 2662.00 ft (KB)  
 Total Depth: 3690.00 ft (KB) (TVD)  
 2653.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Good  
 KB to GR/CF: 9.00 ft

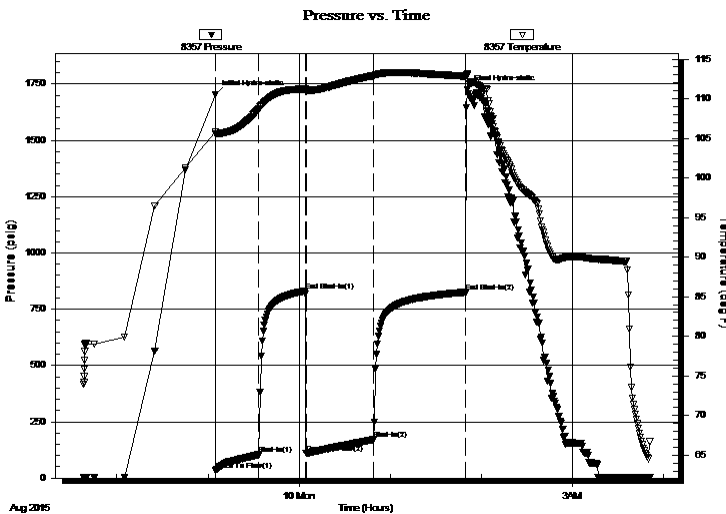
## Serial #: 8357

Inside

Press @ Run Depth: 171.24 psig @ 3634.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.08.09 End Date: 2015.08.10 Last Calib.: 2015.08.10  
 Start Time: 21:38:02 End Time: 03:51:00 Time On Btm: 2015.08.09 @ 23:05:00  
 Time Off Btm: 2015.08.10 @ 01:50:50

TEST COMMENT: 30- B.O.B. @ 18 min.  
 30- Weak surface return died @ 10 min.  
 45- B.O.B. @ 28 min.  
 60- 1/2" Return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1704.07	105.84	Initial Hydro-static
1	34.49	105.56	Open To Flow (1)
29	104.04	108.69	Shut-In(1)
60	831.08	111.21	End Shut-In(1)
60	108.92	111.01	Open To Flow (2)
105	171.24	112.91	Shut-In(2)
165	825.18	112.84	End Shut-In(2)
166	1725.18	113.05	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: .192 @ 70 Degrees F = 38000 PPM	0.00
0.00	API: 32 @ 70 Degrees F = 31	0.00
310.00	OSMW 30m 70w	3.26
45.00	GO 25g 75o	0.63
0.00	15' weak GIP	0.00

## 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:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

38000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	RW: .192 @ 70 Degrees F = 38000 PPM	0.000
0.00	API: 32 @ 70 Degrees F = 31	0.000
310.00	OSMW 30m 70w	3.255
45.00	GO 25g 75o	0.631
0.00	15' weak GIP	0.000

Total Length: 355.00 ft

Total Volume: 3.886 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

