



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Comp. INC.

**21-15s-32w-Scott KS**

202 West main st.  
Salem, IL 62881

**Zanobia #1-21**

Job Ticket: 48925

**DST#: 4**

ATTN: Tim Priest

Test Start: 2012.11.25 @ 08:30:00

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:45:30

Time Test Ended: 15:38:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

**Interval: 4144.00 ft (KB) To 4255.00 ft (KB) (TVD)**

Reference Elevations: 2865.00 ft (KB)

Total Depth: 4255.00 ft (KB) (TVD)

2855.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8675**

**Inside**

Press @ RunDepth: 449.86 psig @ 4145.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.11.25

End Date:

2012.11.25

Last Calib.:

2012.11.25

Start Time: 08:30:15

End Time:

15:38:30

Time On Btm:

2012.11.25 @ 10:45:15

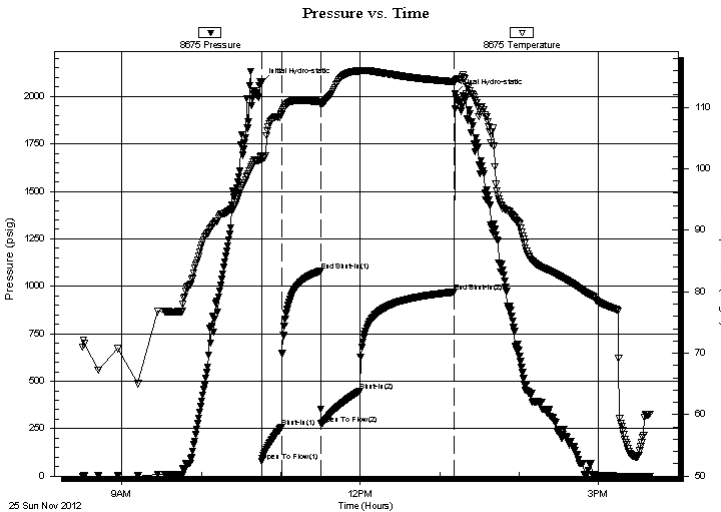
Time Off Btm:

2012.11.25 @ 13:11:45

## TEST COMMENT:

B.O.B. in 2 min.  
Bled off for 5 min. No return blow  
B.O.B. in 4 1/2 min.  
Bled off for 5 min. Built to 1/4" return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2074.77	102.04	Initial Hydro-static
1	79.61	101.28	Open To Flow (1)
16	258.84	108.88	Shut-In(1)
45	1080.05	110.93	End Shut-In(1)
46	275.66	110.66	Open To Flow (2)
75	449.86	115.89	Shut-In(2)
146	969.97	114.11	End Shut-In(2)
147	2012.83	114.19	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
118.00	mcw with oil scum 5%M 95%W	0.58
295.00	ocgmw 5%O 5%G 30%M 60%W	4.13
477.00	gcomw 10%G 10%O 40%M 40%W	6.69
0.00	200 Feet Gas In Pipe Weak Gas	0.00

\* Recovery from multiple tests

## Gas Rates

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



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Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2865.00 ft (KB)

2855.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8650      Outside**

Press @ Run Depth:                          psig @ 4145.00 ft (KB)

Start Date: 2012.11.25

End Date: 2012.11.25

Capacity: 8000.00 psig

Last Calib.: 2012.11.25

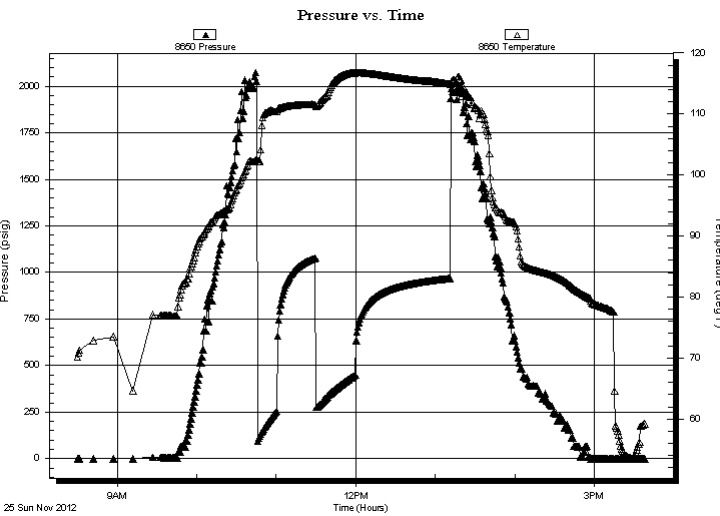
Start Time: 08:30:15

End Time: 15:38:15

Time On Btm:

Time Off Btm:

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## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
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Job Ticket: 48925

**DST#: 4**

ATTN: Tim Priest

Test Start: 2012.11.25 @ 08:30:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 62.00 sec/qt  
Water Loss: 9.38 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 6500.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
118.00	mcw with oil scum 5%M 95%W	0.580
295.00	ocgmw 5%O 5%G 30%M 60%W	4.134
477.00	gcomw 10%G 10%O 40%M 40%W	6.691
0.00	200 Feet Gas In Pipe Weak Gas	0.000

Total Length: 890.00 ft      Total Volume: 11.405 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .20 @ 60 F = 40,000

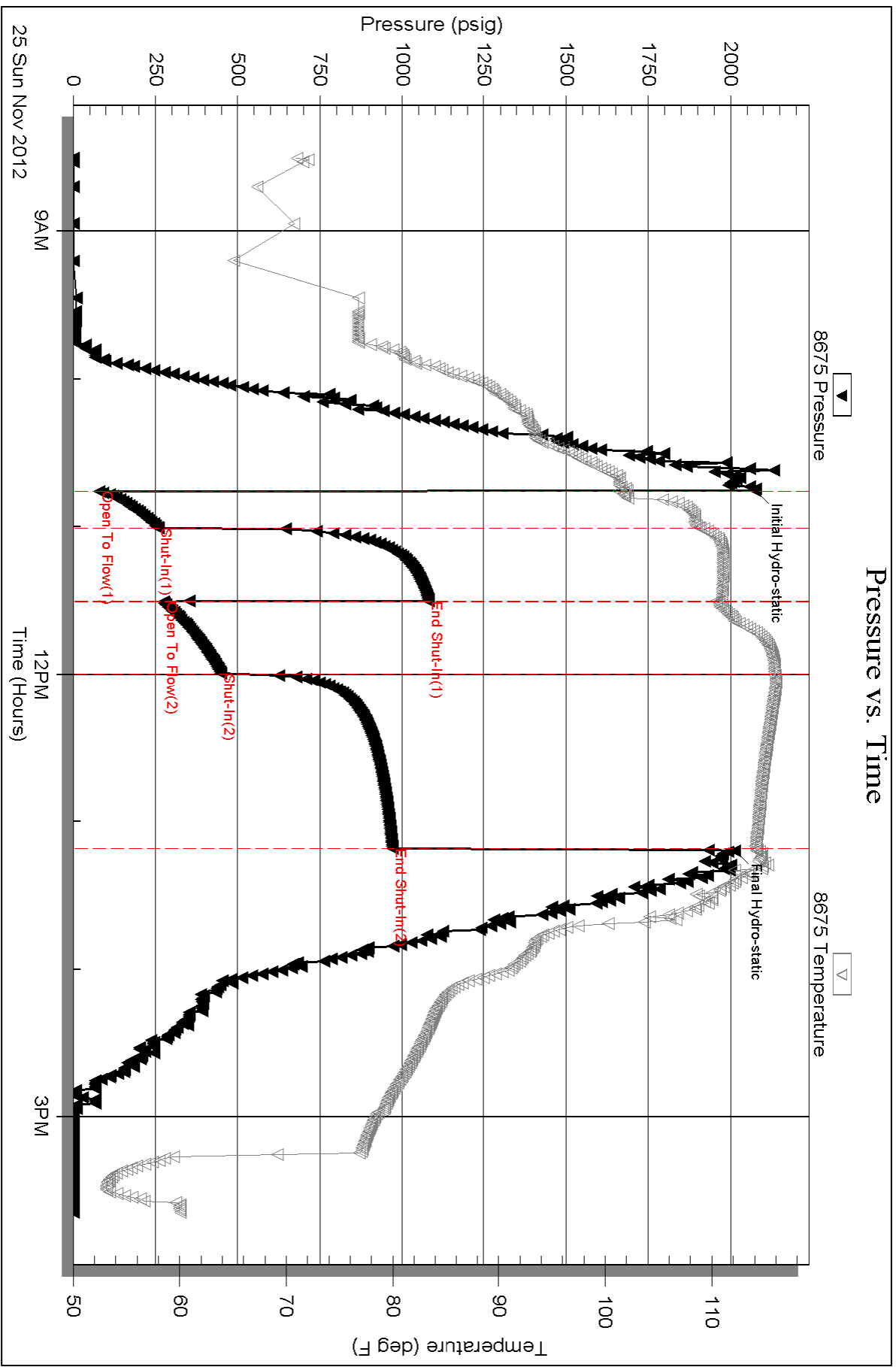
Serial #: 8675

Inside

Shakespeare Oil Corp. INC.

Zanobia #1-21

DST Test Number: 4



Serial #: 8650

Outside Shakespeare Oil Corp. INC.

Zanobia #1-21

DST Test Number: 4

