



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Comp. INC.

21-15s-32w-Logan KS

202 West main st.
Salem, IL 62881

Zanobia #1-21

Job Ticket: 49926

DST#: 5

ATTN: Tim Priest

Test Start: 2012.11.26 @ 09:05:00

GENERAL INFORMATION:

Formation: **Pawnee & Fort Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:09:15

Time Test Ended: 16:30:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Interval: 4268.00 ft (KB) To 4349.00 ft (KB) (TVD)

Reference Elevations: 2865.00 ft (KB)

Total Depth: 4349.00 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 @ Run Depth: 111.09 psig @ 4269.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.11.26

End Date: 2012.11.26

Last Calib.: 2012.11.26

Start Time: 09:05:15

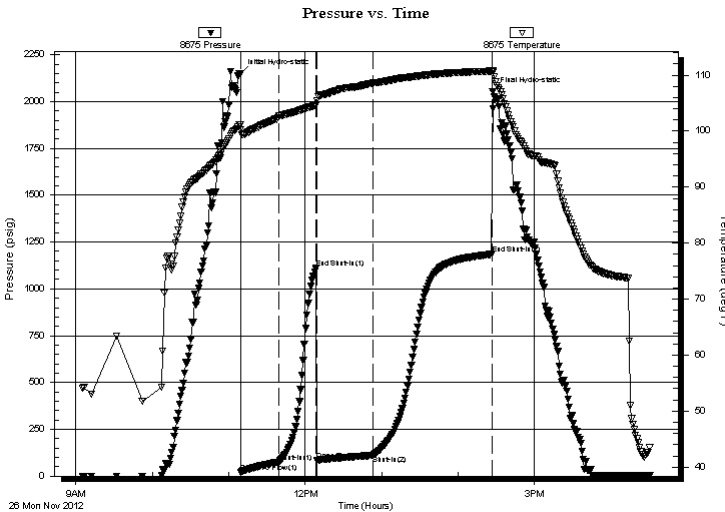
End Time: 16:30:45

Time On Btm: 2012.11.26 @ 11:09:00

Time Off Btm: 2012.11.26 @ 14:27:00

TEST COMMENT: Built to 4 1/2" blow
No return blow
Built to 4" blow
No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2149.49	101.20	Initial Hydro-static
1	21.20	100.26	Open To Flow (1)
30	75.44	102.68	Shut-In(1)
60	1109.83	104.62	End Shut-In(1)
61	84.25	105.50	Open To Flow (2)
104	111.09	108.60	Shut-In(2)
198	1185.10	110.75	End Shut-In(2)
198	2054.09	110.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
185.00	w cm 10%W 90%M w ith few oil spots	1.52

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Comp. INC.

21-15s-32w-Logan KS

202 West main st.
Salem, IL 62881

Zanobia #1-21

Job Ticket: 49926

DST#: 5

ATTN: Tim Priest

Test Start: 2012.11.26 @ 09:05:00

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:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
185.00	w cm 10%W 90%M w ith few oil spots	1.516

Total Length: 185.00 ft Total Volume: 1.516 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .45 @ 45 F = 25,000

Serial #: 8675

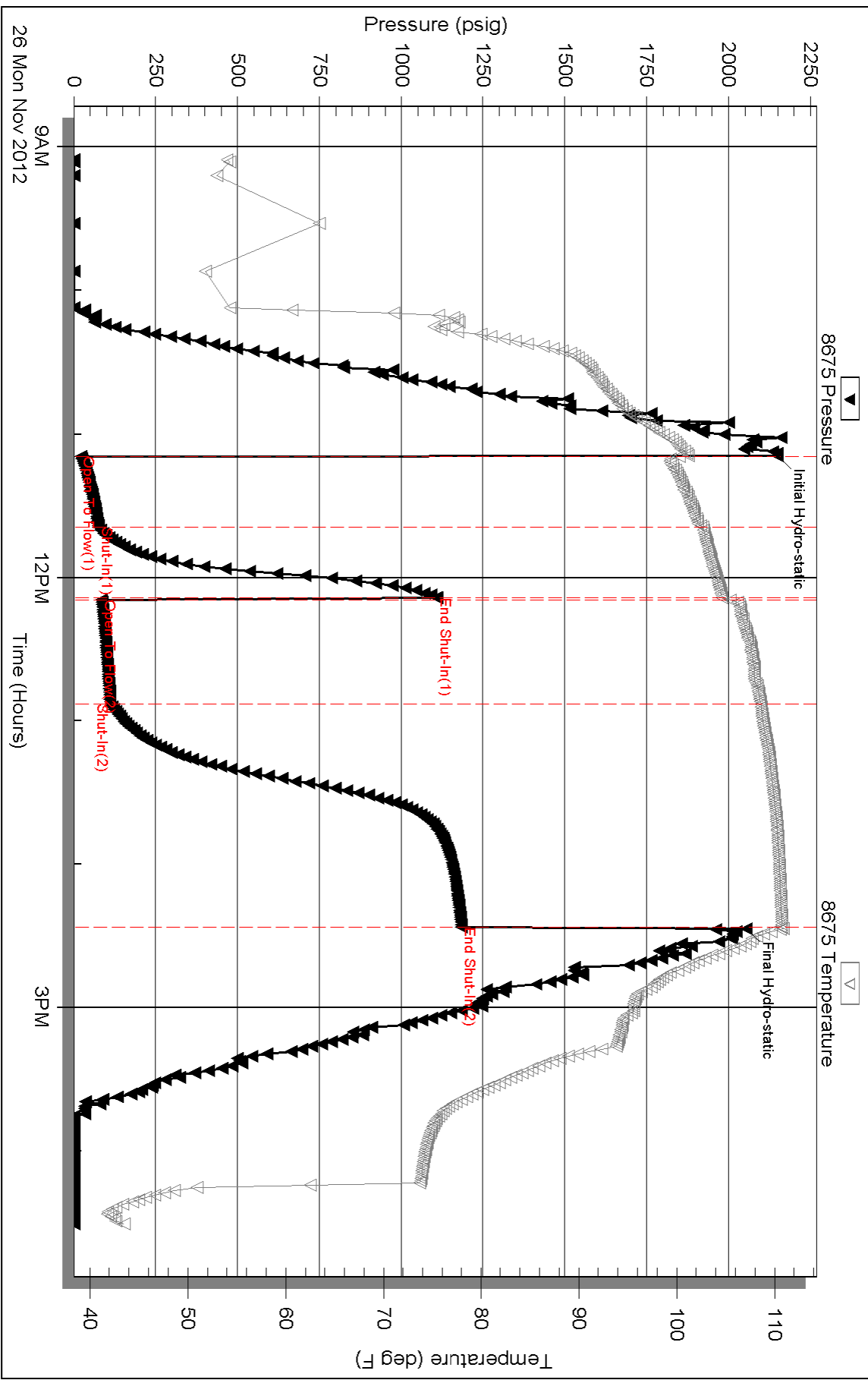
Inside

Shakespeare Oil Corp. INC.

Zanobia #1-21

DST Test Number: 5

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 49926

Printed: 2012.11.26 @ 22:40:26