



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: 48924

DST#: 3

ATTN: Tim Priest

Test Start: 2012.11.24 @ 05:00:00

GENERAL INFORMATION:

Formation: **Kansas City "L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:01:30

Time Test Ended: 11:26:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Interval: 4109.00 ft (KB) To 4130.00 ft (KB) (TVD)

Reference Elevations: 2865.00 ft (KB)

Total Depth: 4130.00 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: 116.42 psig @ 4110.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.11.24

End Date:

2012.11.24

Last Calib.:

2012.11.24

Start Time: 05:00:15

End Time:

11:26:30

Time On Btm:

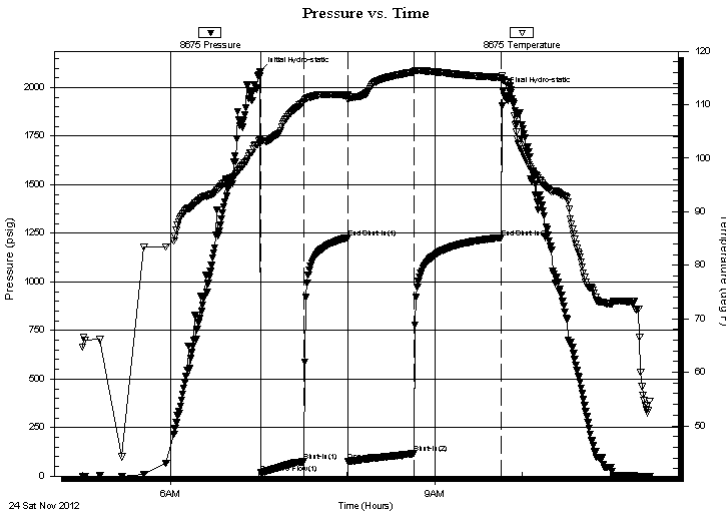
2012.11.24 @ 07:01:15

Time Off Btm:

2012.11.24 @ 09:47:00

TEST COMMENT: Built to 7" blow
No return blow
Built to 7 1/2" blow
No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2083.69	103.50	Initial Hydro-static
1	16.73	102.86	Open To Flow (1)
30	74.99	110.61	Shut-In(1)
60	1227.74	111.80	End Shut-In(1)
60	74.64	110.94	Open To Flow (2)
105	116.42	116.14	Shut-In(2)
165	1228.09	115.10	End Shut-In(2)
166	1979.05	114.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
220.00	mcw 10%M 90%W	2.01

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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DST#: 3

ATTN: Tim Priest

Test Start: 2012.11.24 @ 05:00:00

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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
220.00	mcw 10%M 90%W	2.007

Total Length: 220.00 ft Total Volume: 2.007 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .25 @ 50 F = 40,000

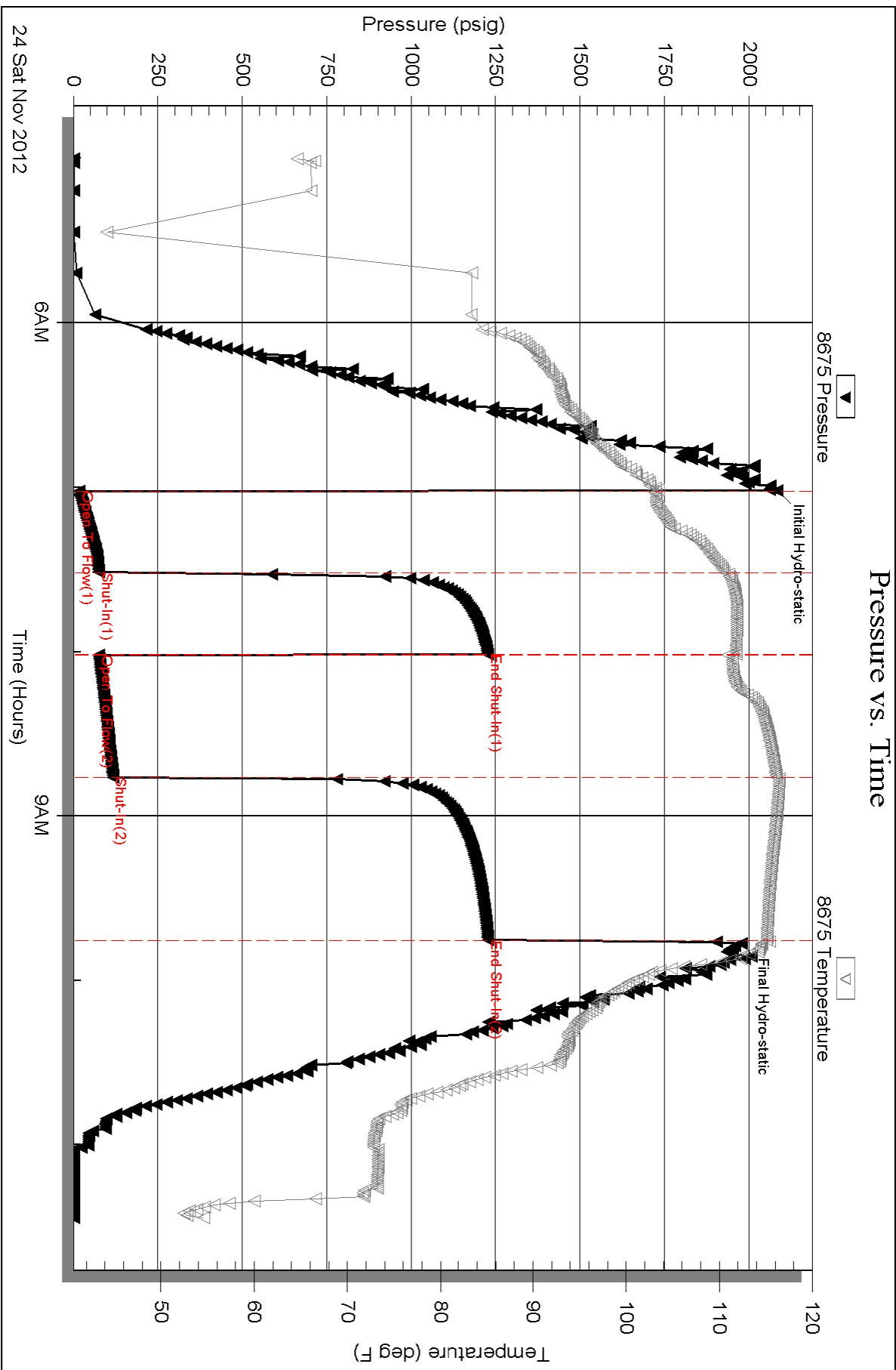
Serial #: 8675

Inside

Shakespeare Oil Corp. INC.

Zanobia #1-21

DST Test Number: 3



Serial #: 8650

Outside Shakespeare Oil Corp. INC.

Zanobia #1-21

DST Test Number: 3

