



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

20-15s-33w Logan Co.

202 West Main st
Salem, IL 62881

Zanobia #1-20

Job Ticket: 51272

DST#: 5

ATTN: Tim Priest

Test Start: 2013.01.21 @ 08:41:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:53:15

Time Test Ended: 16:25:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 64

Interval: 4442.00 ft (KB) To 4490.00 ft (KB) (TVD)

Reference Elevations: 2889.00 ft (KB)

Total Depth: 4490.00 ft (KB) (TVD)

2879.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8845 Outside

Press @ Run Depth: 17.23 psig @ 4443.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.01.21

End Date:

2013.01.21

Last Calib.:

2013.01.21

Start Time: 08:41:05

End Time:

16:25:14

Time On Btm:

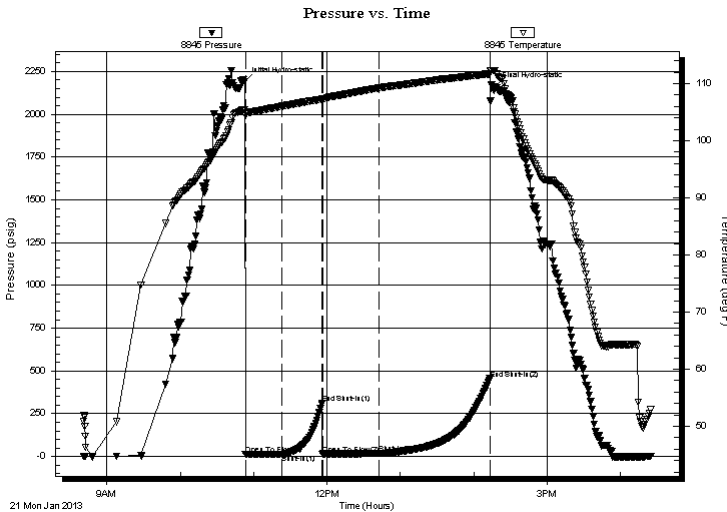
2013.01.21 @ 10:53:00

Time Off Btm:

2013.01.21 @ 14:17:45

TEST COMMENT: IF: 3/4" blow.
IS: Weak surface return.
FF: 1/4" blow.
FS: Weak surface return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2192.67	105.47	Initial Hydro-static
1	11.43	104.43	Open To Flow (1)
30	13.57	106.03	Shut-In(1)
63	312.02	107.28	End Shut-In(1)
64	14.40	107.16	Open To Flow (2)
110	17.23	109.25	Shut-In(2)
201	454.37	111.71	End Shut-In(2)
205	2162.06	112.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud (oil spots) 100m	0.05

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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Zanobia #1-20

Job Ticket: 51272

DST#: 5

ATTN: Tim Priest

Test Start: 2013.01.21 @ 08:41:00

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud (oil spots) 100m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

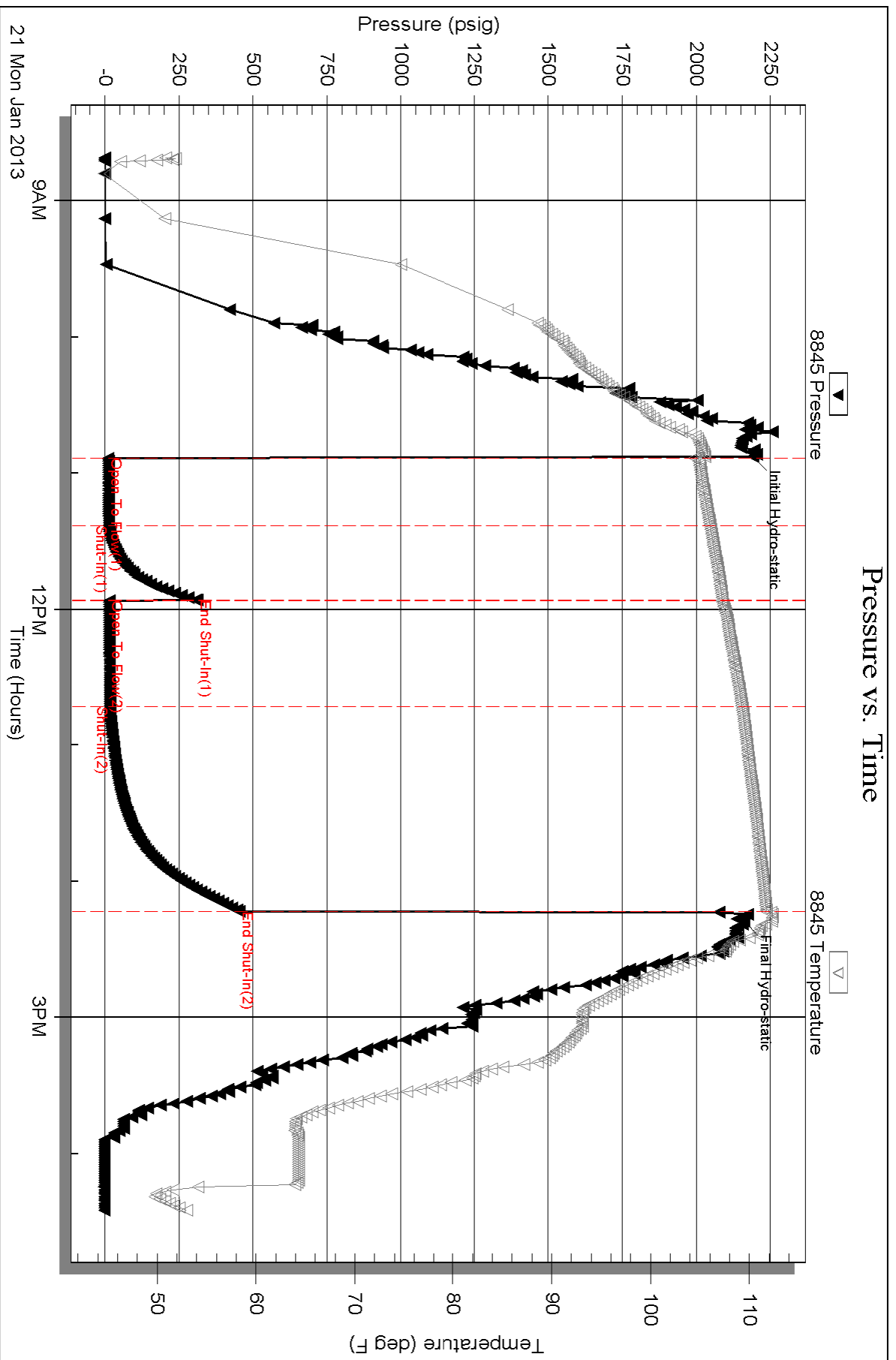
Serial #: 8845

Outside Shakespeare Oil Co. Inc.

Zanobia #1-20

DST Test Number: 5

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 51272

Printed: 2013.01.21 @ 23:14:05