



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil
 202 West Main St.
 Salem, IL
 62881
 ATTN: Mark Herndon

36-16s-34w Scott, Ks

Janzen #4-36

Job Ticket: 56300

DST#: 2

Test Start: 2014.03.25 @ 09:35:32

GENERAL INFORMATION:

Formation: **Marmaton B**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 11:31:02

Time Test Ended: 17:20:32

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

Interval: 4474.00 ft (KB) To 4510.00 ft (KB) (TVD)

Total Depth: 4510.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3109.00 ft (KB)

3097.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8844 Outside

Press @ Run Depth: 24.64 psig @ 4475.00 ft (KB)

Start Date: 2014.03.25

End Date: 2014.03.25

Start Time: 09:35:32

End Time: 17:05:32

Capacity: 8000.00 psig

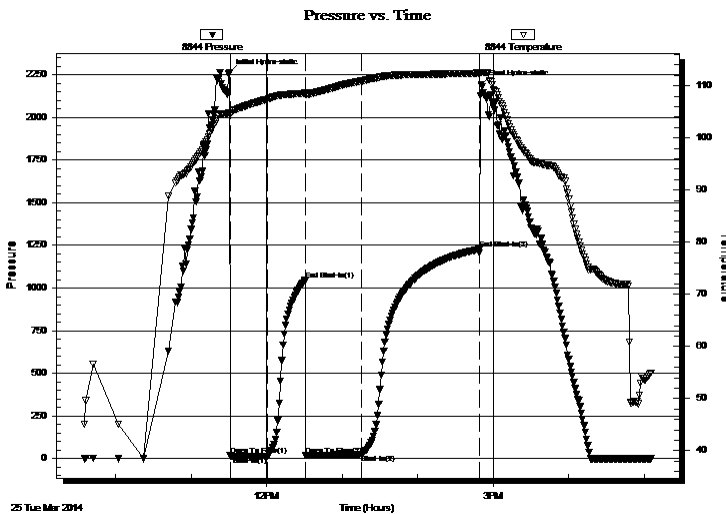
Last Calib.: 2014.03.25

Time On Btm: 2014.03.25 @ 11:30:32

Time Off Btm: 2014.03.25 @ 14:50:32

TEST COMMENT: 7" in blow
 No return
 10" in blow
 Surface return in 9 min. built to 1/4" in died in 53 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2259.13	104.85	Initial Hydro-static
1	17.99	104.42	Open To Flow (1)
31	16.60	107.42	Shut-In(1)
60	1044.82	108.59	End Shut-In(1)
61	21.11	108.33	Open To Flow (2)
105	24.64	110.89	Shut-In(2)
199	1226.50	112.43	End Shut-In(2)
200	2190.82	112.50	Final Hydro-static

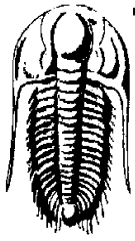
Recovery

Length (ft)	Description	Volume (bbl)
30.00	c s g o 5%g 95%o	0.42
10.00	s g m c o 5%g30%m 65%o	0.14
0.00	140' gas in pipe	0.00

Gas Rates

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

* Recovery from multiple tests



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202 West Main St.
Salem, IL
62881
ATTN: Mark Herndon

Janzen #4-36

Job Ticket: 56300

DST#: 2

Test Start: 2014.03.25 @ 09:35:32

GENERAL INFORMATION:

Formation: **Marmaton B**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 11:31:02

Time Test Ended: 17:20:32

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

Interval: **4474.00 ft (KB) To 4510.00 ft (KB) (TVD)**

Reference Elevations: 3109.00 ft (KB)

Total Depth: 4510.00 ft (KB) (TVD)

3097.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 6771 Inside

Press @ Run Depth: psig @ 4475.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.25 End Date: 2014.03.25

Last Calib.: 2014.03.25

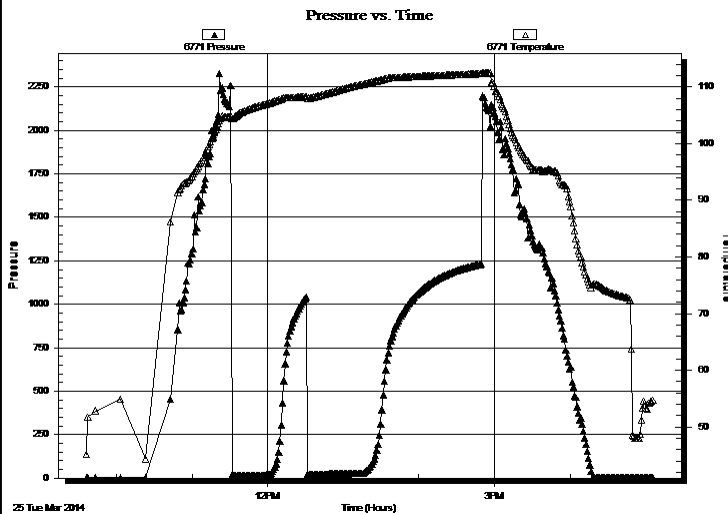
Start Time: 09:36:12 End Time: 17:06:27

Time On Btm:

Time Off Btm:

TEST COMMENT: 7" in blow
No return
10" in blow
Surface return in 9 min. built to 1/4" in died in 53 min.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	c s g o 5%g 95%o	0.42
10.00	s g m c o 5%g30%m 65%o	0.14
0.00	140' gas in pipe	0.00

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

36-16s-34w Scott, Ks

202 West Main St.
Salem, IL
62881

Janzen #4-36

Job Ticket: 56300

DST#: 2

ATTN: Mark Herndon

Test Start: 2014.03.25 @ 09:35:32

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
30.00	c s g o 5%g 95%o	0.421
10.00	s g m c o 5%g30%m 65%o	0.140
0.00	140' gas in pipe	0.000

Total Length: 40.00 ft Total Volume: 0.561 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

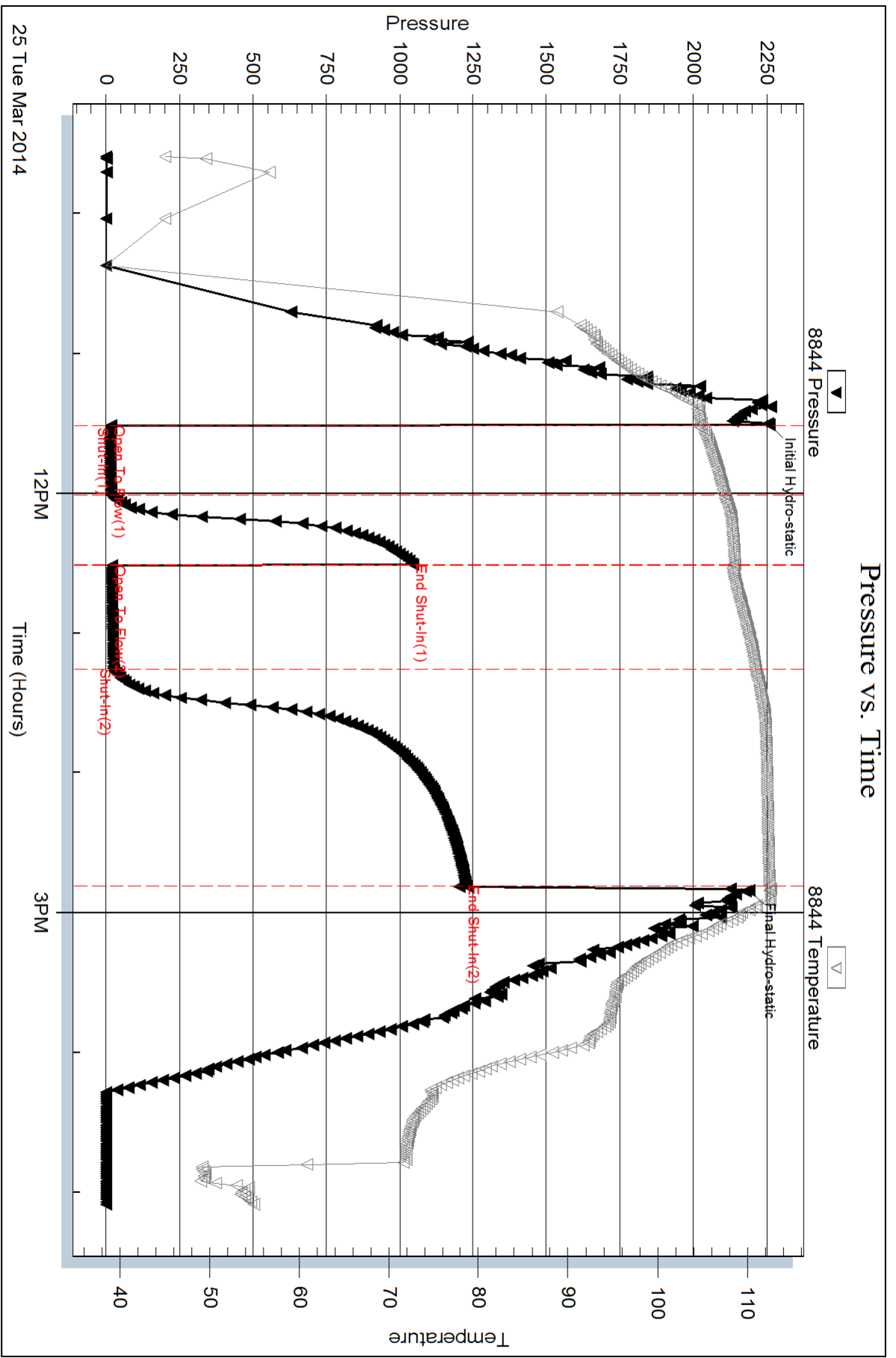
Recovery Comments:

Serial #: 8844

Outside Shakespeare Oil

Janzen #4-36

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 56300

Printed: 2014.03.25 @ 22:54:56

Serial #: 6771

Inside

Shakespeare Oil

Janzen #4-36

DST Test Number: 2

