



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

21-6S-38W Sherman KS

202 W. Main St.
Salem IL 62881

Flanders #1-21

Job Ticket: 62800

DST#: 1

ATTN: Tim Priest

Test Start: 2015.11.28 @ 08:12:00

GENERAL INFORMATION:

Formation: **LKC " C "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:15:30

Time Test Ended: 15:23:20

Test Type: Conventional Bottom Hole (Initial)

Tester: Ryan Nichols

Unit No: 78

Interval: 4251.00 ft (KB) To 4276.00 ft (KB) (TVD)

Total Depth: 4276.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3391.00 ft (KB)

3383.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6752 Inside

Press @ Run Depth: 72.03 psig @ 4252.00 ft (KB)

Start Date: 2015.11.28

End Date: 2015.11.28

Start Time: 08:12:01

End Time: 15:23:20

Capacity: 8000.00 psig

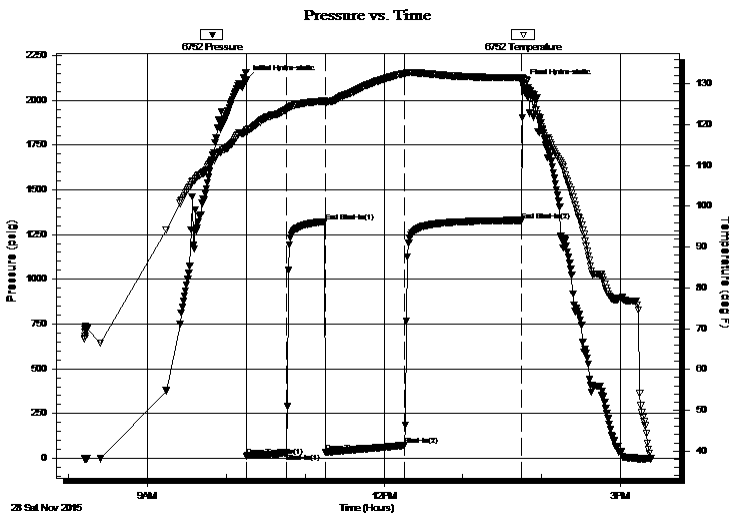
Last Calib.: 2015.11.28

Time On Btm: 2015.11.28 @ 10:15:20

Time Off Btm: 2015.11.28 @ 13:45:39

TEST COMMENT: 30 IF - 1" blow built to 5"
30 ISI - Surface blow built to 3" died back to 2 3/4"
60 FF - Surface blow built to 7"
90 FSI - Surface blow built to 5" died back to 3"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2113.26	118.72	Initial Hydro-static
1	12.37	118.04	Open To Flow (1)
30	29.62	123.61	Shut-In(1)
60	1322.62	125.79	End Shut-In(1)
60	34.61	125.46	Open To Flow (2)
121	72.03	132.52	Shut-In(2)
210	1329.61	131.49	End Shut-In(2)
211	2094.91	131.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	MCW - 25%M - 75%W	0.88
63.00	WCM - 45%W - 55%M	0.88
24.00	oil spotted Mudd - 100%M	0.34

Gas Rates

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



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Test Start: 2015.11.28 @ 08:12:00

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: 67.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	MCW - 25%M - 75%W	0.884
63.00	WCM - 45%W - 55%M	0.884
24.00	oil spotted Mudd - 100%M	0.337

Total Length: 150.00 ft Total Volume: 2.105 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .934 @ 29 DEG F

CHLORIDES = 17,000 PPM

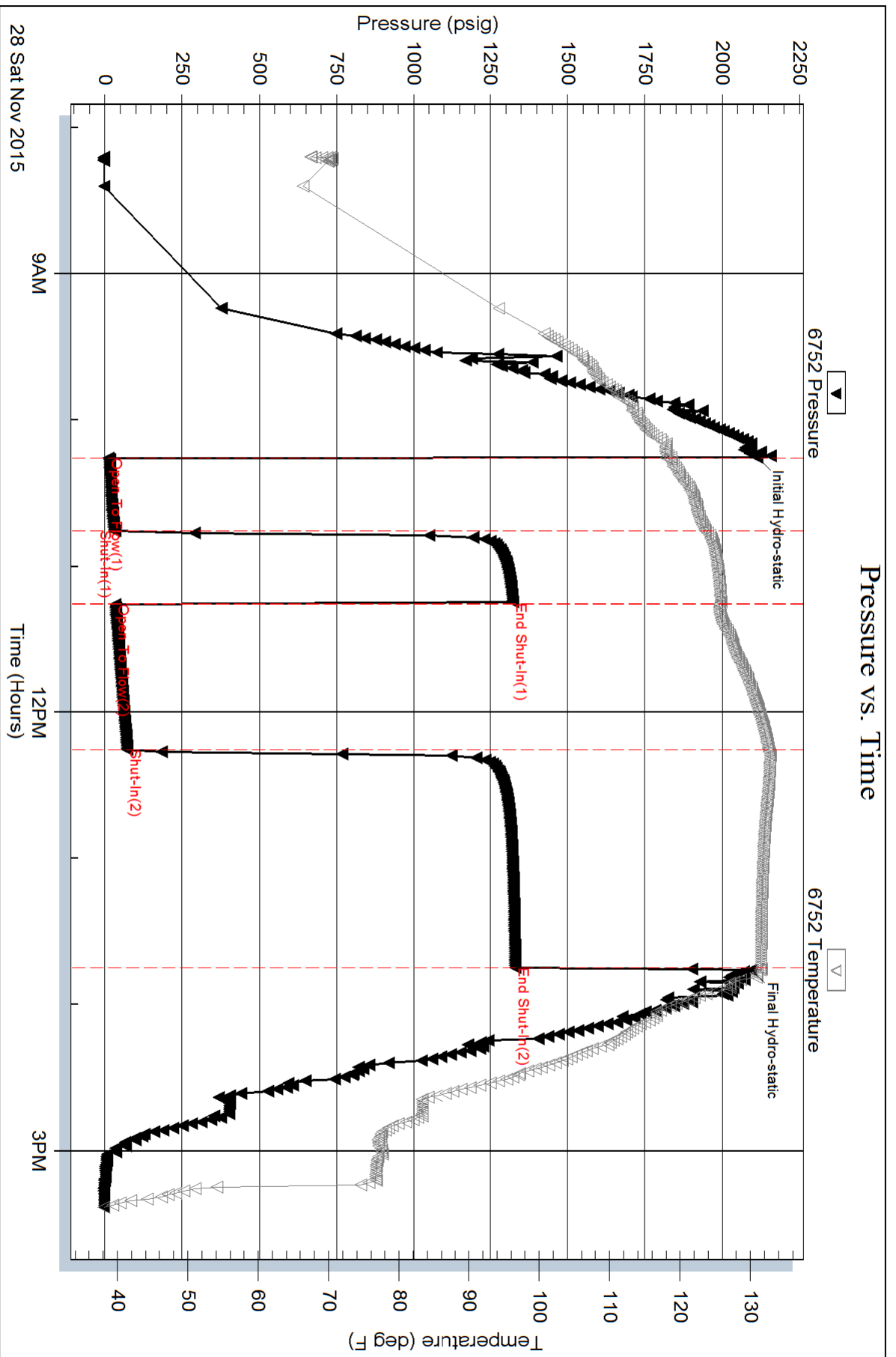
Serial #: 6752

Inside

Shakespeare Oil Co. Inc.

Flanders #1-21

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 62800

Printed: 2015.11.28 @ 19:58:16

