



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co., Inc.

33/4s/29w Decatur KS

202 W Main St
Salem, IL 62881

Anderson #1-33

Job Ticket: 62689

DST#: 5

ATTN: Tim Priest

Test Start: 2016.09.14 @ 10:37:00

GENERAL INFORMATION:

Formation: **Lans. "H - J - K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:26:15

Time Test Ended: 17:11:15

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 83

Interval: 3984.00 ft (KB) To 4070.00 ft (KB) (TVD)

Total Depth: 4070.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2784.00 ft (KB)

2774.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6625 Inside

Press@RunDepth: 16.68 psig @ 3985.00 ft (KB)

Start Date: 2016.09.14

End Date:

2016.09.14

Start Time: 10:37:05

End Time:

17:11:14

Capacity: 8000.00 psig

Last Calib.: 2016.09.14

Time On Btm: 2016.09.14 @ 12:26:00

Time Off Btm: 2016.09.14 @ 15:30:00

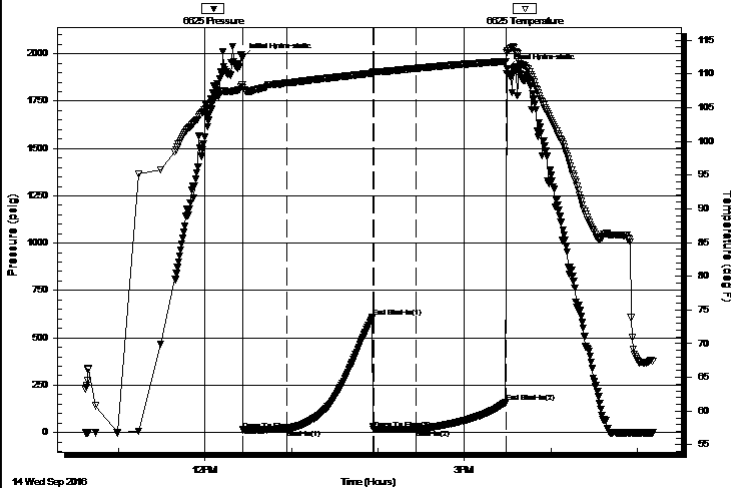
TEST COMMENT: 30 - IF: 1/4" Blow at open, built to 1/2", died back - dead at 22 min.

60 - ISI: No blow

30 - FF: Weak surface blow at end of open

60 - FSI: No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1981.03	108.40	Initial Hydro-static
1	13.31	107.97	Open To Flow (1)
31	15.67	108.65	Shut-In(1)
91	611.05	110.09	End Shut-In(1)
91	15.43	110.35	Open To Flow (2)
121	16.68	110.80	Shut-In(2)
183	159.58	111.86	End Shut-In(2)
184	1920.61	113.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	OCM 87% m, 8% o, 5% g	0.21

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



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2774.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8366 Outside

Press@RunDepth: psig @ 3985.00 ft (KB)

Start Date: 2016.09.14

End Date:

2016.09.14

Start Time: 10:37:05

End Time:

17:10:44

Capacity: 8000.00 psig

Last Calib.:

2016.09.14

Time On Btm:

Time Off Btm:

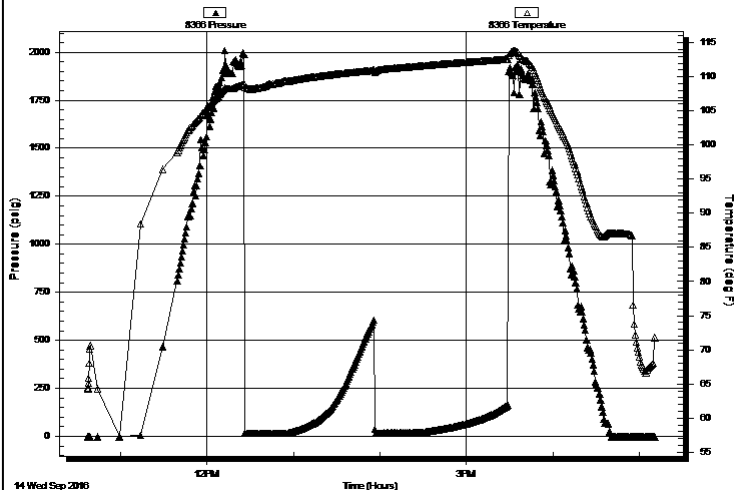
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Pressure vs. Time



PRESSURE SUMMARY

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

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15.00	OCM 87% m, 8% o, 5% g	0.21

Gas Rates

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

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33/4s/29w Decatur KS

202 W Main St
Salem, IL 62881

Anderson #1-33

Job Ticket: 62689

DST#: 5

ATTN: Tim Priest

Test Start: 2016.09.14 @ 10:37:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 6.37 in³

Resistivity: ohm.m

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	OCM 87% _m , 8% _o , 5% _g	0.210

Total Length: 15.00 ft

Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6625

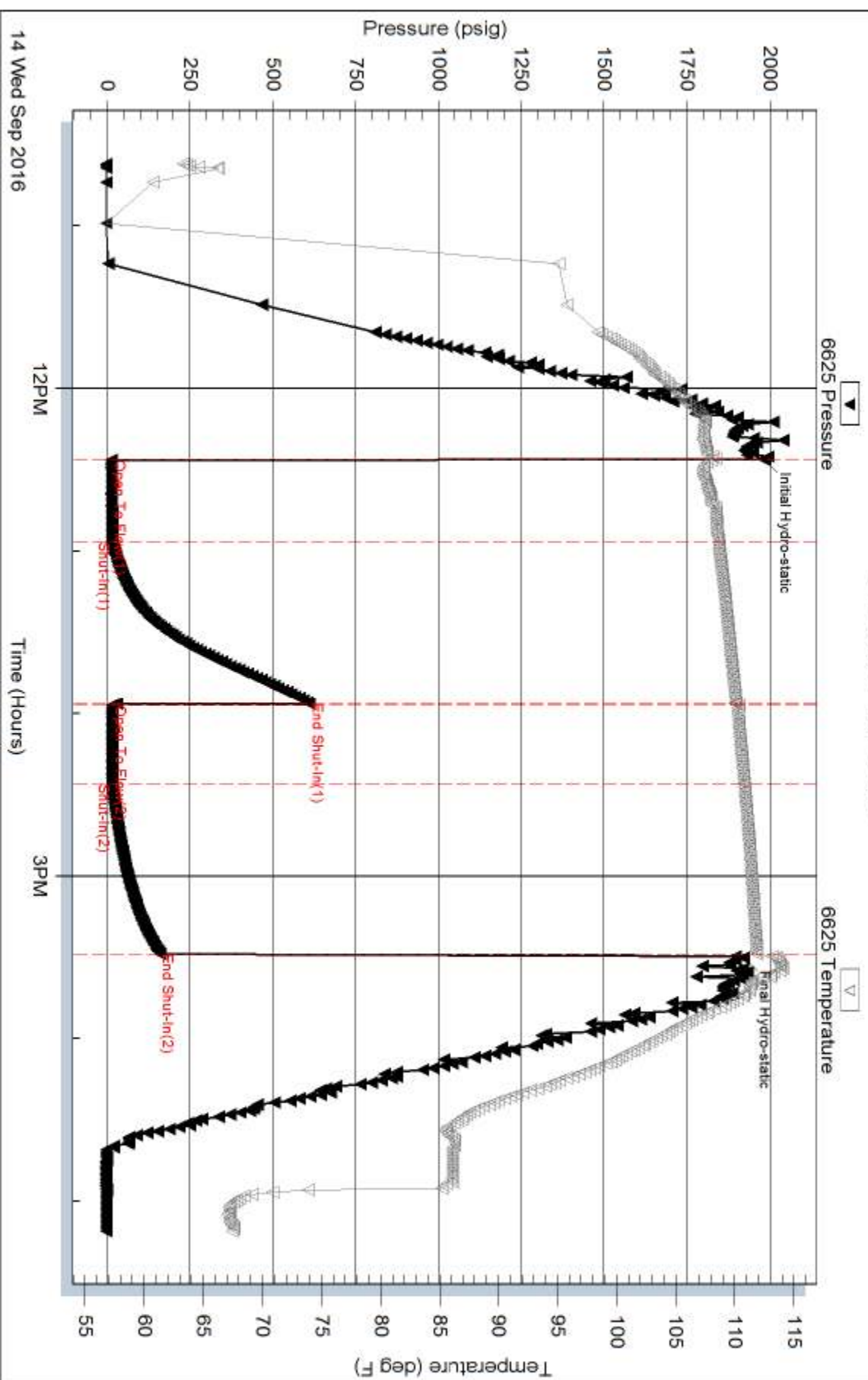
Inside

Shakespeare Oil Co., Inc.

Anderson #1-33

DST Test Number: 5

Pressure vs. Time



Serial #: 8366

Outside Shakespeare Oil Co., Inc.

Anderson #1-33

DST Test Number: 5

