



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: 62685

DST#: 1

ATTN: Tim Priest

Test Start: 2016.09.12 @ 04:12:00

GENERAL INFORMATION:

Formation: **Lans. "A - C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:11:00

Time Test Ended: 11:38:45

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 83

Interval: 3880.00 ft (KB) To 3915.00 ft (KB) (TVD)

Reference Elevations: 2784.00 ft (KB)

Total Depth: 3915.00 ft (KB) (TVD)

2774.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6625 Inside

Press@RunDepth: 131.88 psig @ 3881.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.09.12

End Date:

2016.09.12

Last Calib.: 2016.09.12

Start Time: 04:12:05

End Time:

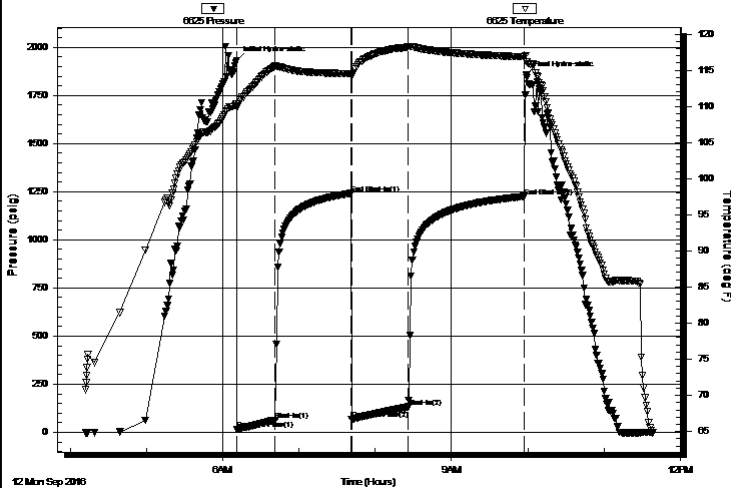
11:38:44

Time On Btm: 2016.09.12 @ 06:10:45

Time Off Btm: 2016.09.12 @ 09:59:00

TEST COMMENT: 30 - IF: 1/2" Blow at open, built to BOB (11") at 30 min.
60 - ISI: No blow back
45 - FF: Blow started at 2 min., built to BOB at 42 min.
90 - FSI: No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1930.26	110.32	Initial Hydro-static
1	14.58	109.98	Open To Flow (1)
31	62.88	115.57	Shut-In(1)
90	1240.95	114.54	End Shut-In(1)
91	66.08	114.29	Open To Flow (2)
136	131.88	118.25	Shut-In(2)
227	1225.49	116.87	End Shut-In(2)
229	1855.24	116.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	SMCW 92%w , 8%m	1.75
150.00	MCW w/trace oil 69%w , 31%m	2.10

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 83

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Total Depth: 3915.00 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 #: 8366 Outside

Press@RunDepth: psig @ 3881.00 ft (KB)

Start Date: 2016.09.12

End Date:

2016.09.12

Start Time: 04:12:05

End Time:

11:38:14

Capacity: 8000.00 psig

Last Calib.:

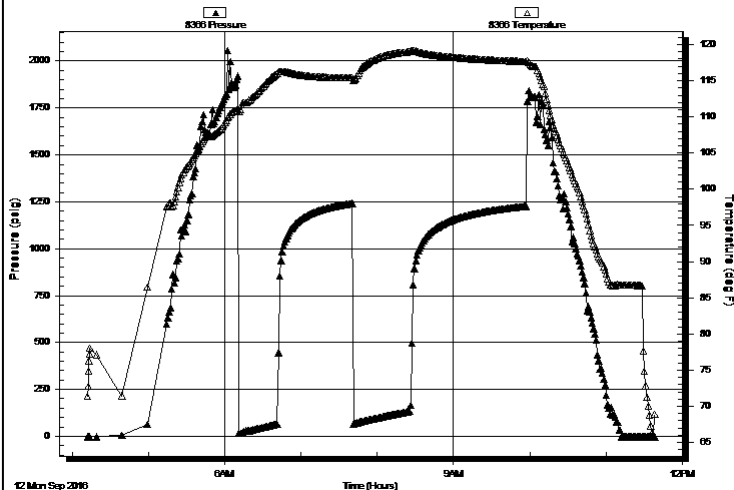
2016.09.12

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

Length (ft)	Description	Volume (bbl)
125.00	SMCW 92%w , 8%m	1.75
150.00	MCW w/trace oil 69%w , 31%m	2.10

Gas Rates

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

Shakespeare Oil Co., Inc.

33/4s/29w Decatur KS

202 W Main St
Salem, IL 62881

Anderson #1-33

Job Ticket: 62685

DST#: 1

ATTN: Tim Priest

Test Start: 2016.09.12 @ 04:12:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 60.00 sec/qt

Water Loss: 6.40 in³

Resistivity: ohm.m

Salinity: 900.00 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

38000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	SMCW 92%w , 8%m	1.753
150.00	MCW w /trace oil 69%w , 31%m	2.104

Total Length: 275.00 ft Total Volume: 3.857 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .205 ohms @ 66 deg F

Chlorides = 38,000 ppm

Serial #: 6625

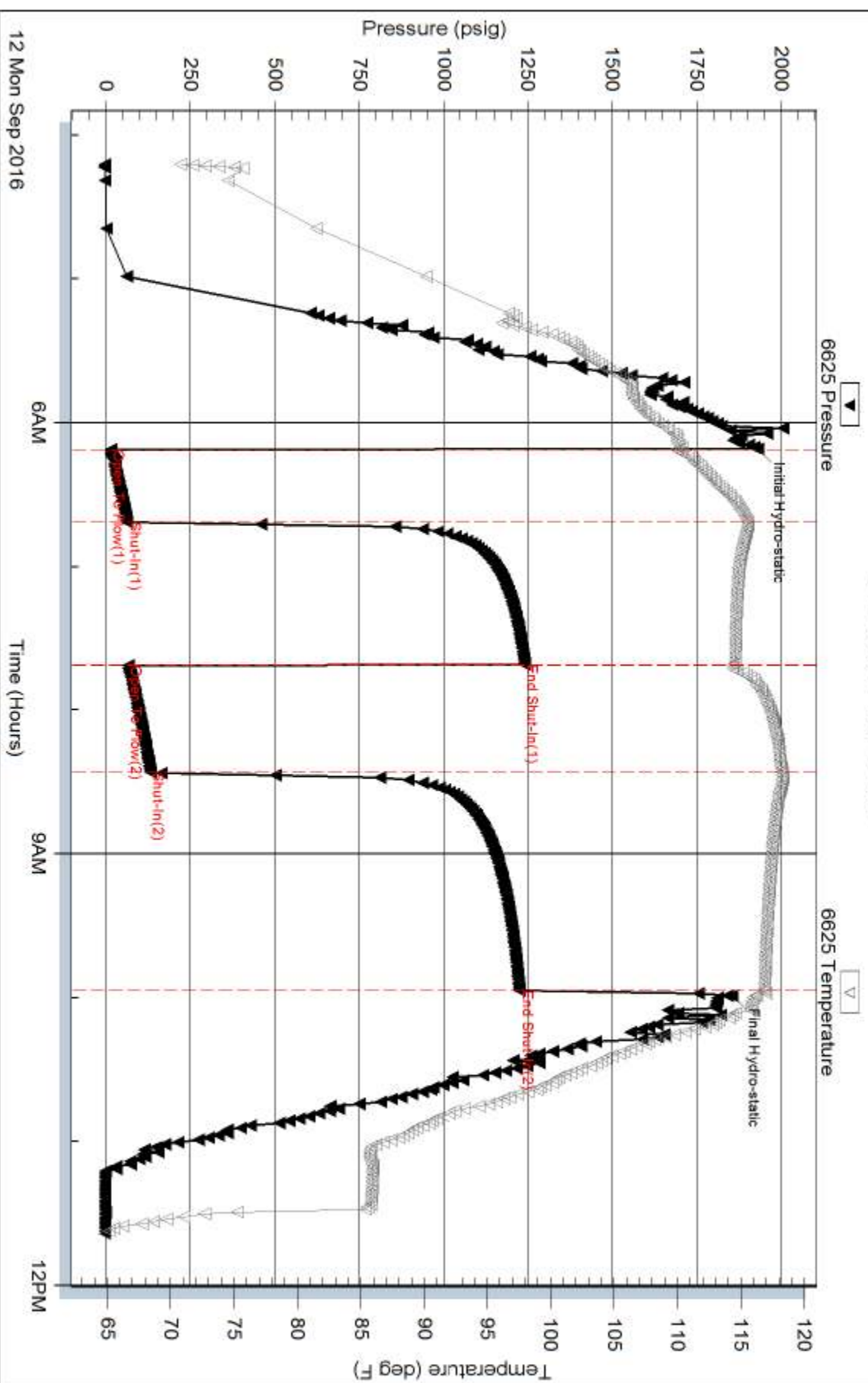
Inside

Shakespeare Oil Co., Inc.

Anderson #1-33

DST Test Number: 1

Pressure vs. Time



Serial #: 8366

Outside Shakespeare Oil Co., Inc.

Anderson #1-33

DST Test Number: 1

