



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc.

6 16s 32w Scott, Ks

202 W Main St.
Salem, IL 62881

Conner 1-6

Job Ticket: 64823

DST#: 3

ATTN: Tim Lauer

Test Start: 2019.10.19 @ 16:17:00

GENERAL INFORMATION:

Formation: **Pawnee- Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:19:15

Time Test Ended: 22:23:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4484.00 ft (KB) To 4555.00 ft (KB) (TVD)

Reference Elevations: 3025.00 ft (KB)

Total Depth: 4555.00 ft (KB) (TVD)

3015.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8319 Outside

Press@RunDepth: 18.55 psig @ 4485.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.10.19 End Date: 2019.10.19

Last Calib.: 2019.10.19

Start Time: 16:17:05 End Time: 22:22:59

Time On Btm: 2019.10.19 @ 18:18:30

Time Off Btm: 2019.10.19 @ 20:25:45

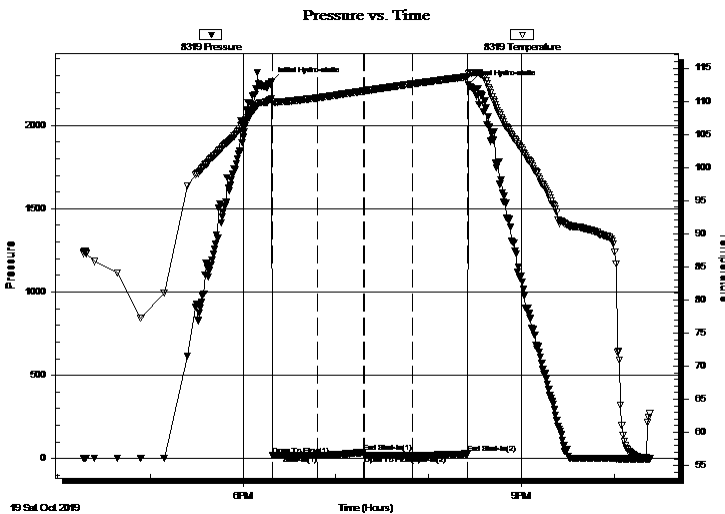
TEST COMMENT: 30- IF: 1/2" blow receded to surface.

30- ISI: no return.

30- FF: No blow .

30- FSI: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2261.52	110.37	Initial Hydro-static
1	18.38	109.92	Open To Flow (1)
30	17.89	110.50	Shut-In(1)
60	36.96	111.53	End Shut-In(1)
60	17.92	111.54	Open To Flow (2)
91	18.55	112.59	Shut-In(2)
127	28.33	113.67	End Shut-In(2)
128	2246.85	114.20	Final Hydro-static

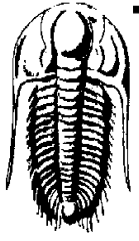
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100m (Oil spots in tool)	0.07

* Recovery from multiple tests

Gas Rates

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



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Time Tool Opened: 18:19:15

Time Test Ended: 22:23:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: **4484.00 ft (KB) To 4555.00 ft (KB) (TVD)**

Reference Elevations: 3025.00 ft (KB)

Total Depth: 4555.00 ft (KB) (TVD)

3015.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: **8522**

Inside

Press@RunDepth: psig @ 4485.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.10.19 End Date: 2019.10.19

Last Calib.: 2019.10.19

Start Time: 16:17:05 End Time: 22:22:59

Time On Btm:

Time Off Btm:

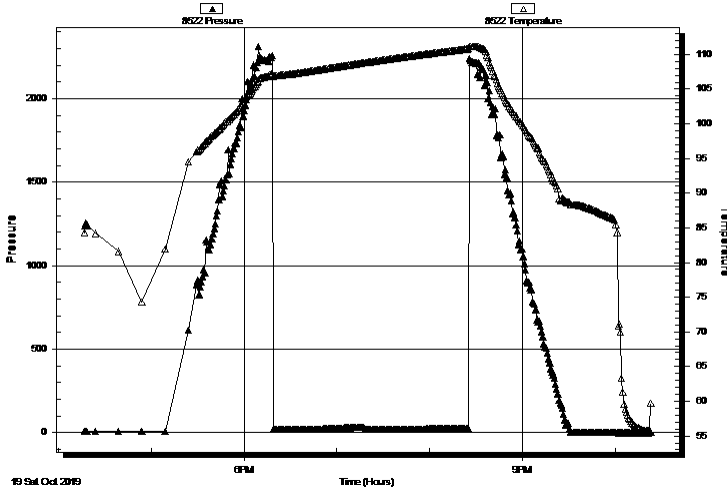
TEST COMMENT: 30- IF: 1/2" blow receded to surface.

30- IS: no return.

30- FF: No blow .

30- FSI: No return.

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
5.00	mud 100m (Oil spots in tool)	0.07

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

* Recovery from multiple tests



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TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co, Inc.

6 16s 32w Scott, Ks

202 W Main St.
Salem, IL 62881

Conner 1-6

Job Ticket: 64823

DST#: 3

ATTN: Tim Lauer

Test Start: 2019.10.19 @ 16:17:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100m (Oil spots in tool)	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

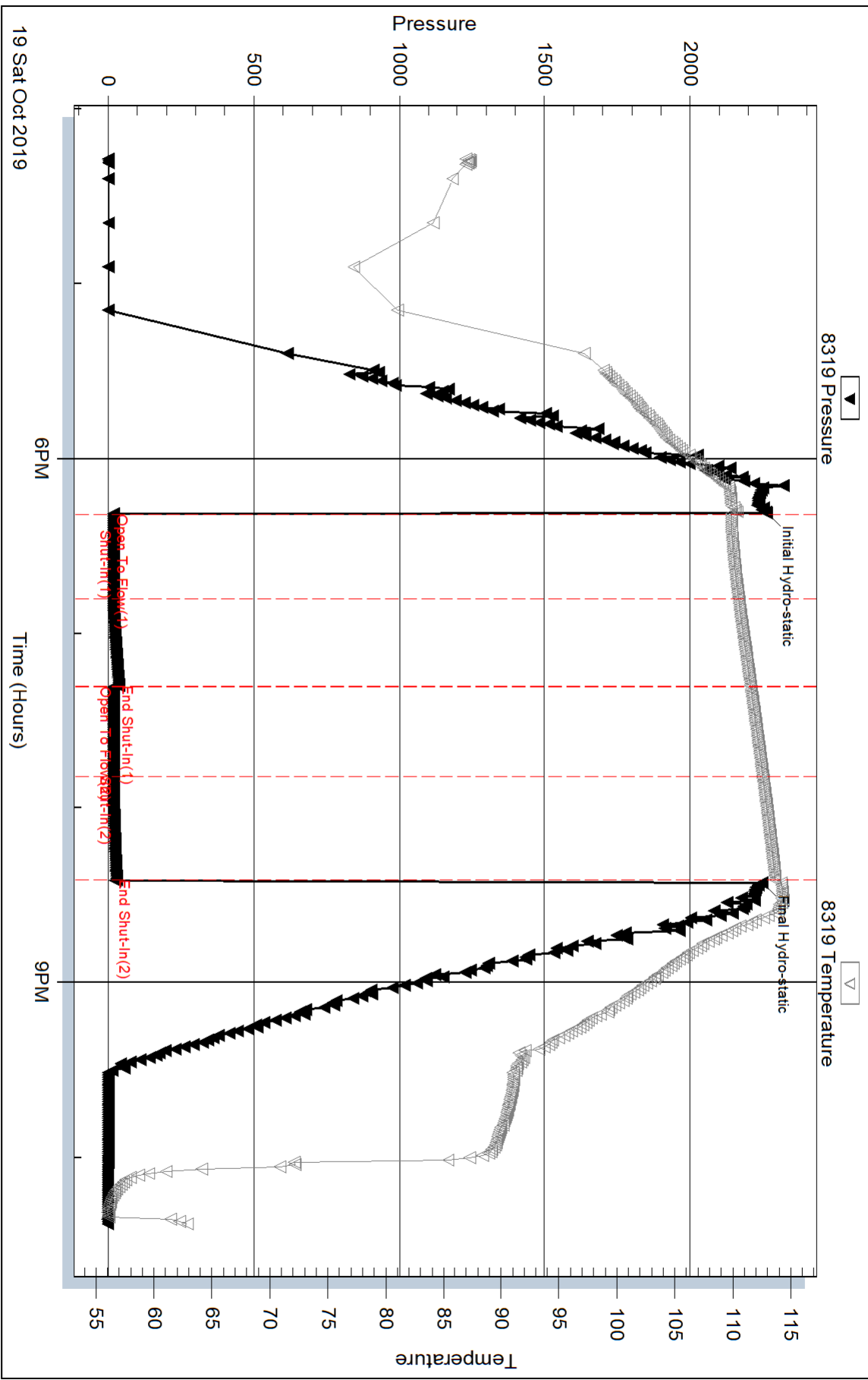
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



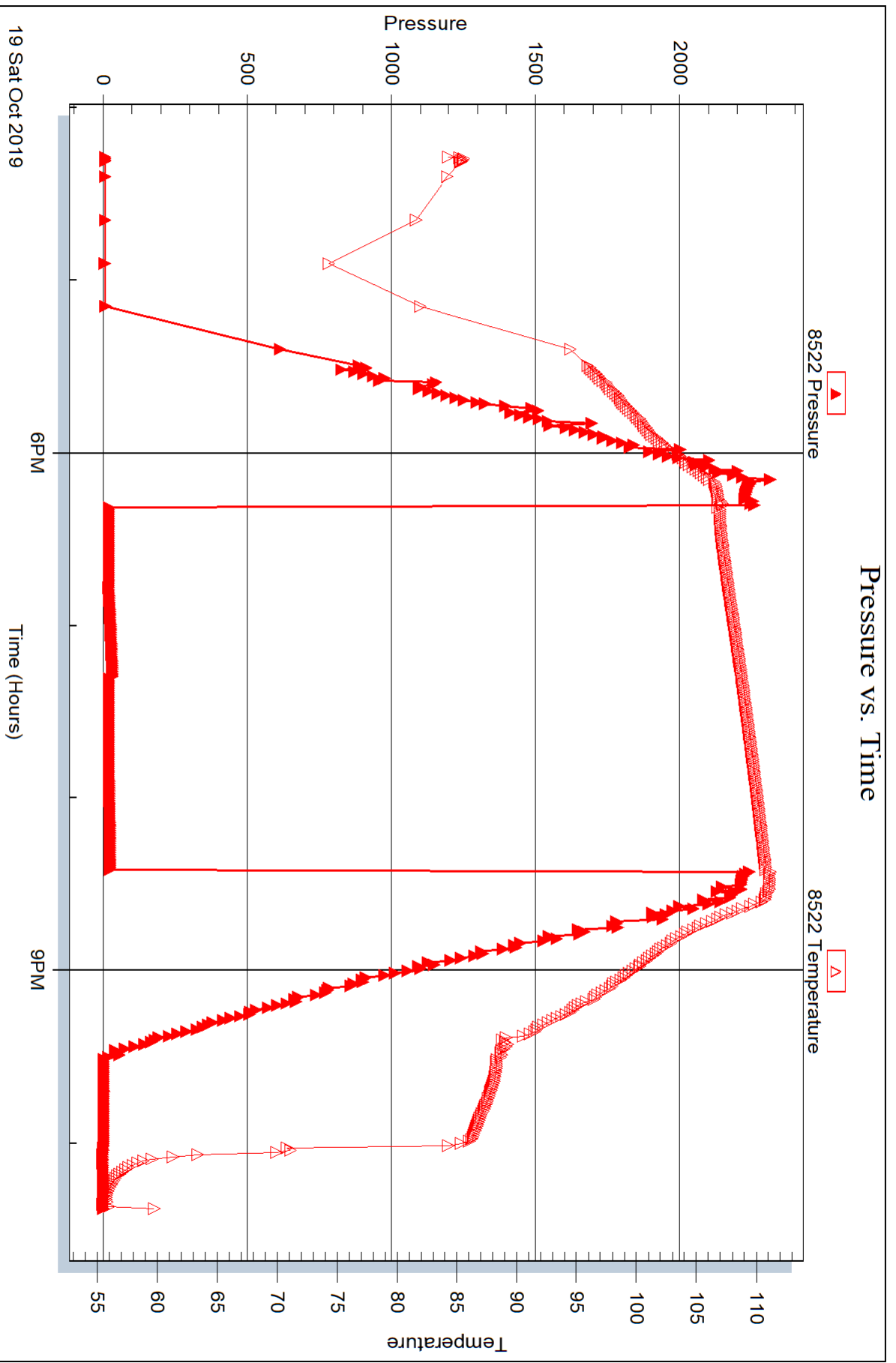
Serial #: 8522

Inside

Shakespeare Oil Co, Inc.

Conner 1-6

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 64823

Printed: 2019.10.20 @ 08:34:19