

**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co

**5-20-30 Lane Ks**

202 W Main St  
Salem, IL 62881

**Goering 1-5**

Job Ticket: 63856

**DST#: 2**

ATTN: Tim Priest

Test Start: 2017.07.19 @ 11:25:55

## GENERAL INFORMATION:

Formation: **Marmaton B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:46:55

Time Test Ended: 20:26:25

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

**Interval: 4445.00 ft (KB) To 4470.00 ft (KB) (TVD)**

Reference Elevations: 2950.00 ft (KB)

Total Depth: 4470.00 ft (KB) (TVD)

2940.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8166 Outside**

Press@RunDepth: 435.35 psig @ 4450.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.07.19

End Date: 2017.07.19

Last Calib.: 2017.07.19

Start Time: 11:26:00

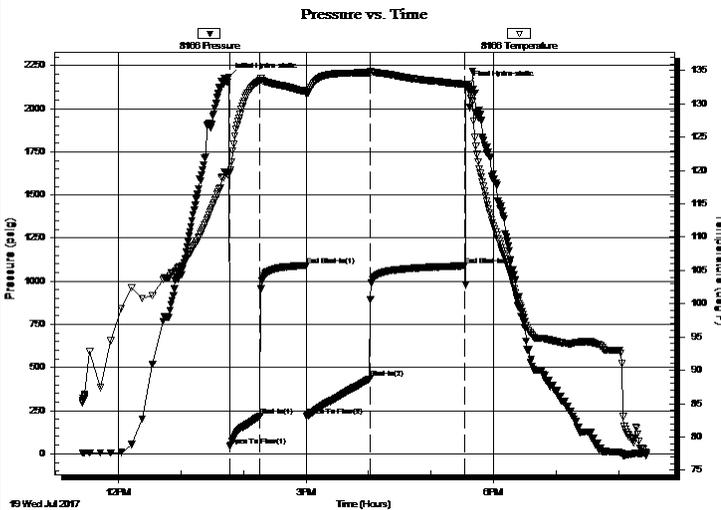
End Time: 20:26:25

Time On Btm: 2017.07.19 @ 13:45:55

Time Off Btm: 2017.07.19 @ 17:33:25

**TEST COMMENT:** IF: BOB in 9 min.  
IS: No return.  
FF: BOB in 11 min.  
FS: Weak surface blow.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2183.99	119.76	Initial Hydro-static
1	44.27	119.69	Open To Flow (1)
30	217.84	133.51	Shut-In(1)
75	1091.97	131.85	End Shut-In(1)
75	217.29	131.48	Open To Flow (2)
136	435.35	134.67	Shut-In(2)
227	1089.33	132.94	End Shut-In(2)
228	2137.38	133.02	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
378.00	mcw 90%w 10%m	3.19
189.00	ocmw 5%o 65%w 30%m	2.65
252.00	ogcmw 20%g 30%o 30%w 20%m	3.53
252.00	go 10%g 90%o	3.53
0.00	126 GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Shakespeare Oil Co

**5-20-30 Lane Ks**

202 W Main St  
Salem, IL 62881

**Goering 1-5**

Job Ticket: 63856

**DST#: 2**

ATTN: Tim Priest

Test Start: 2017.07.19 @ 11:25:55

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

38000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
378.00	mcw 90%w 10%m	3.189
189.00	ocmw 5%o 65%w 30%m	2.651
252.00	ogcmw 20%g 30%o 30%w 20%m	3.535
252.00	go 10%g 90%o	3.535
0.00	126 GIP	0.000

Total Length: 1071.00 ft      Total Volume: 12.910 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

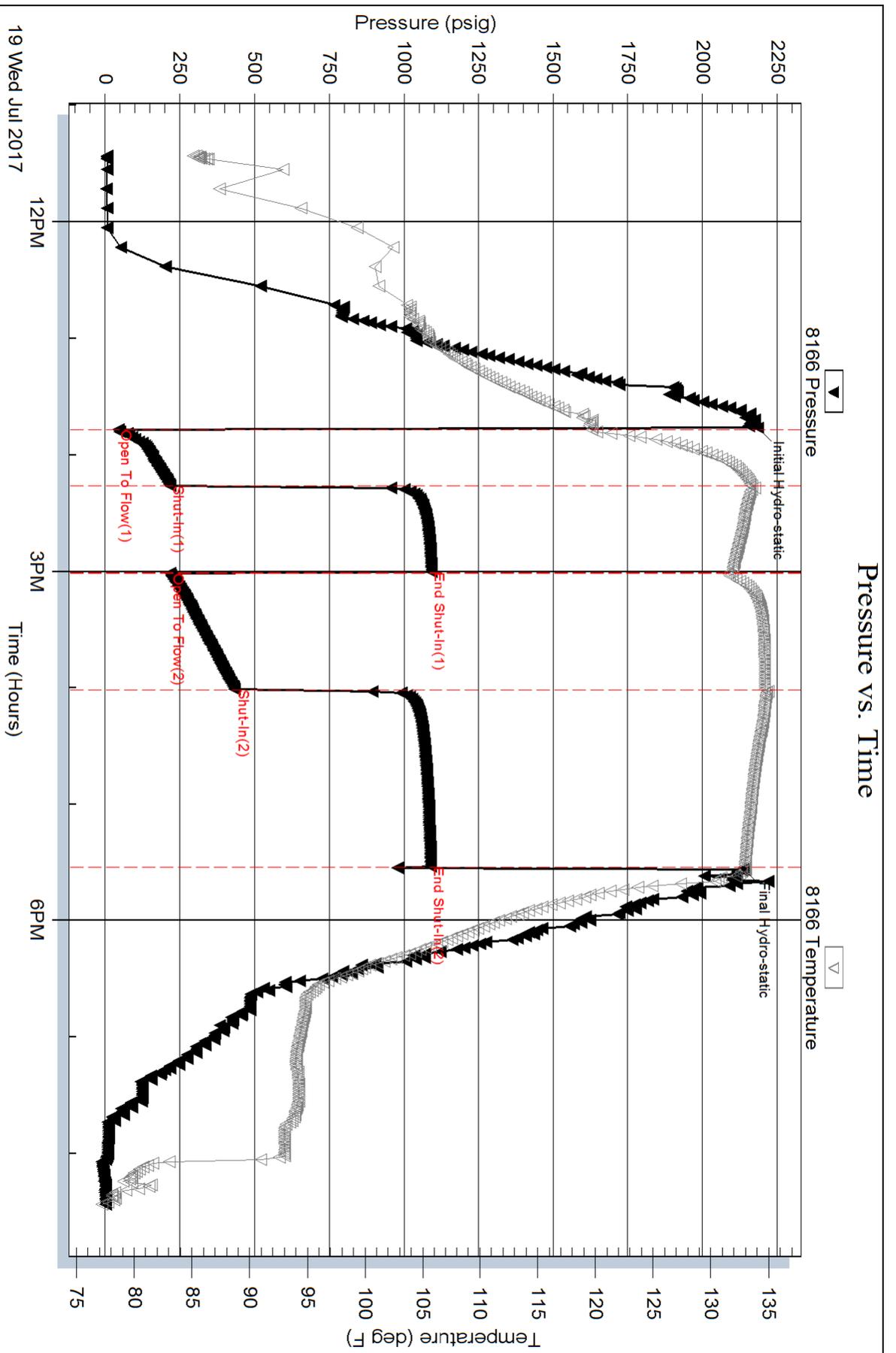
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 38@90=35

.14@93=38000



Serial #: 8875

Inside

Shakespeare Oil Co

Goering 1-5

DST Test Number: 2

