



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co

7-16-32 Scott, Ks

202 W main St
Salem, IL 62881

Schowalter 1-7

ATTN: Tim priest

Job Ticket: 63851

DST#: 2

Test Start: 2017.07.05 @ 16:22:48

GENERAL INFORMATION:

Formation: **K**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 18:11:48
 Tester: Brandon Turley
 Time Test Ended: 22:54:48
 Unit No: 79
 Interval: **4250.00 ft (KB) To 4280.00 ft (KB) (TVD)**
 Reference Elevations: 3019.00 ft (KB)
 Total Depth: 4280.00 ft (KB) (TVD)
 3009.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 10.00 ft

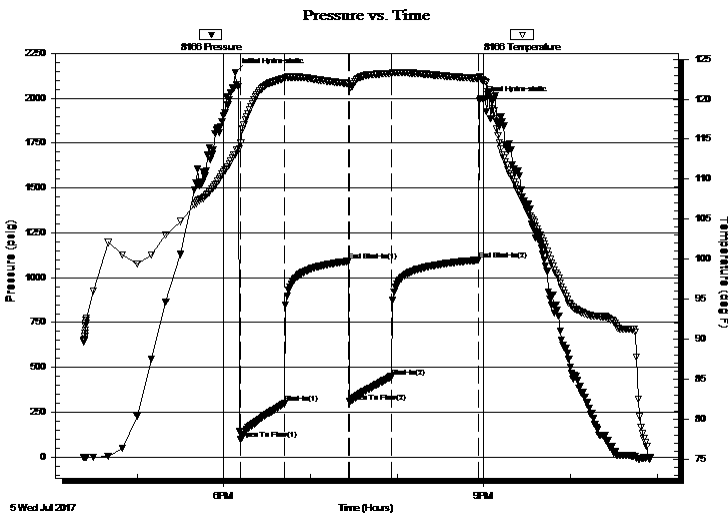
Serial #: 8166

Outside

Press@RunDepth: 448.69 psig @ 4255.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.07.05 End Date: 2017.07.05 Last Calib.: 2017.07.05
 Start Time: 16:22:53 End Time: 22:54:47 Time On Btm: 2017.07.05 @ 18:07:48
 Time Off Btm: 2017.07.05 @ 20:56:48

TEST COMMENT: IF: BOB in 6 min.
 IS: No return.
 FF: BOB in 7 min.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2143.79	113.09	Initial Hydro-static
4	100.21	114.51	Open To Flow (1)
34	298.55	122.57	Shut-In(1)
79	1092.38	121.96	End Shut-In(1)
79	308.48	121.56	Open To Flow (2)
108	448.69	123.20	Shut-In(2)
169	1098.35	122.58	End Shut-In(2)
169	1987.79	122.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
756.00	mcw 95%w 5%m	8.49
252.00	w cm 30%w 70%m	3.53

* Recovery from multiple tests

Gas Rates

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



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Schowalter 1-7

Job Ticket: 63851

DST#: 2

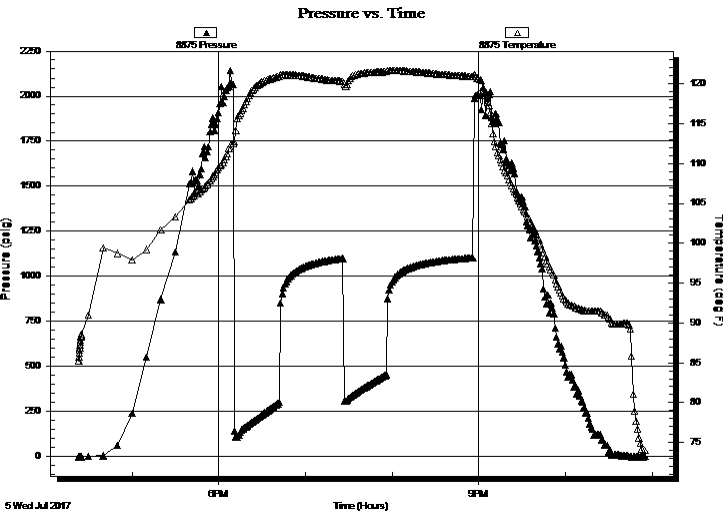
Test Start: 2017.07.05 @ 16:22:48

GENERAL INFORMATION:

Formation: **K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:11:48
 Time Test Ended: 22:54:48
 Interval: **4250.00 ft (KB) To 4280.00 ft (KB) (TVD)**
 Total Depth: 4280.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 3019.00 ft (KB)
 3009.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8875 Inside
 Press@RunDepth: psig @ 4255.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.07.05 End Date: 2017.07.05 Last Calib.: 2017.07.05
 Start Time: 16:23:04 End Time: 22:55:28 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: BOB in 6 min.
 IS: No return.
 FF: BOB in 7 min.
 FS: No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
756.00	mcw 95%w 5%m	8.49
252.00	w cm 30%w 70%m	3.53

* Recovery from multiple tests

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

7-16-32 Scott, Ks

202 W main St
Salem, IL 62881

Schowalter 1-7

Job Ticket: 63851

DST#: 2

ATTN: Tim priest

Test Start: 2017.07.05 @ 16:22:48

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:

32000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
756.00	mcw 95%w 5%m	8.491
252.00	w cm 30%w 70%m	3.535

Total Length: 1008.00 ft Total Volume: 12.026 bbl

Num Fluid Samples: 0

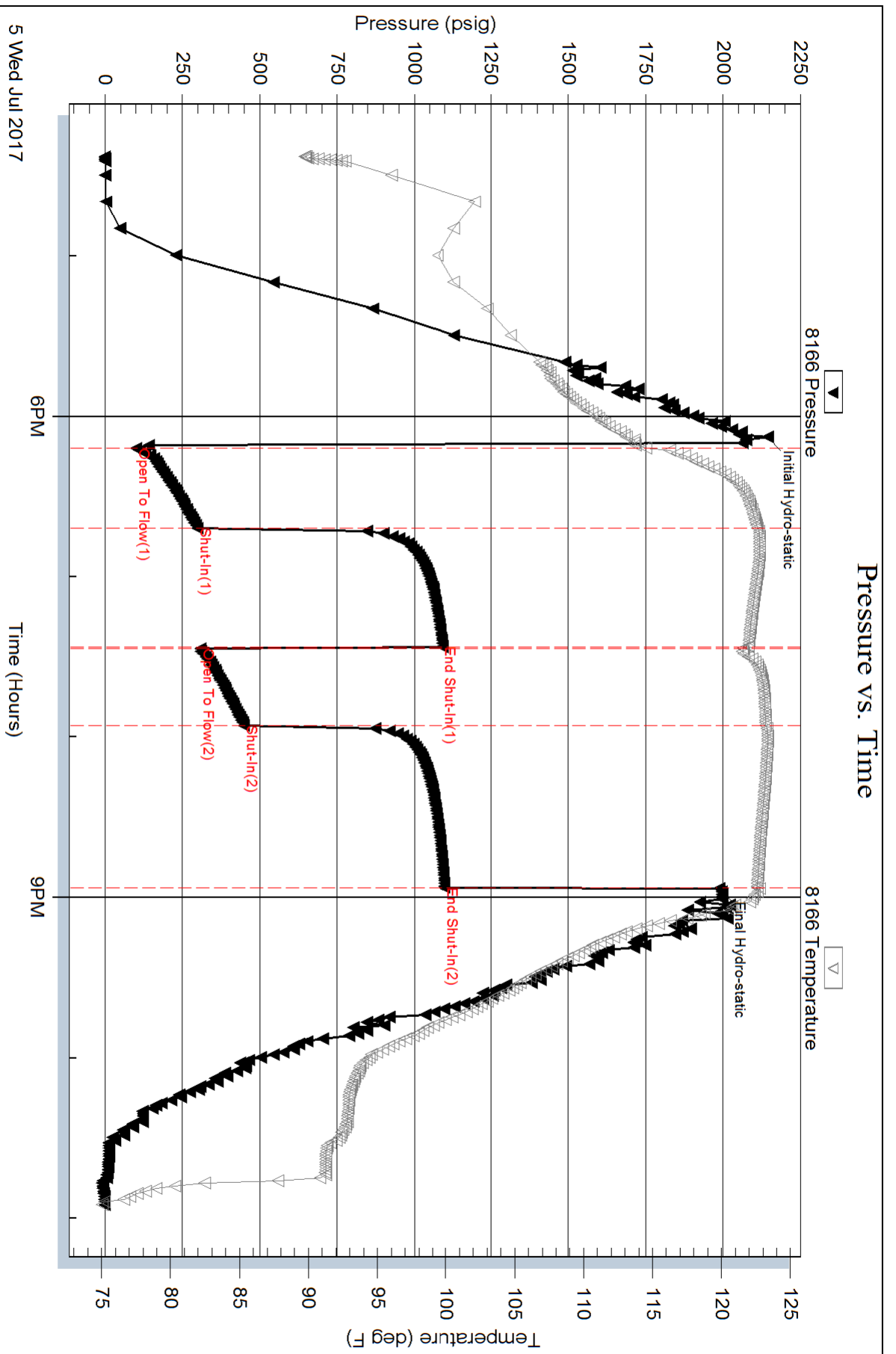
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .21@75=32000



Serial #: 8875

Inside

Shakespeare Oil Co

Schow alter 1-7

DST Test Number: 2

