



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

12-16-35 Wichita Co KS

202 West Main St
Salem IL
62881
ATTN: Tim Lauer

Sanders Comm. 1-12

Job Ticket: 64839 **DST#: 1**

Test Start: 2019.07.21 @ 00:36:15

GENERAL INFORMATION:

Formation: **Lansing A-B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:55:30

Time Test Ended: 07:21:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 81

Interval: 4045.00 ft (KB) To 4105.00 ft (KB) (TVD)

Reference Elevations: 3180.00 ft (KB)

Total Depth: 4105.00 ft (KB) (TVD)

3170.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8521

Inside

Press@RunDepth: 226.21 psig @ 4080.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.21

End Date:

2019.07.21

Last Calib.:

2019.07.22

Start Time: 00:36:15

End Time:

07:21:45

Time On Btm:

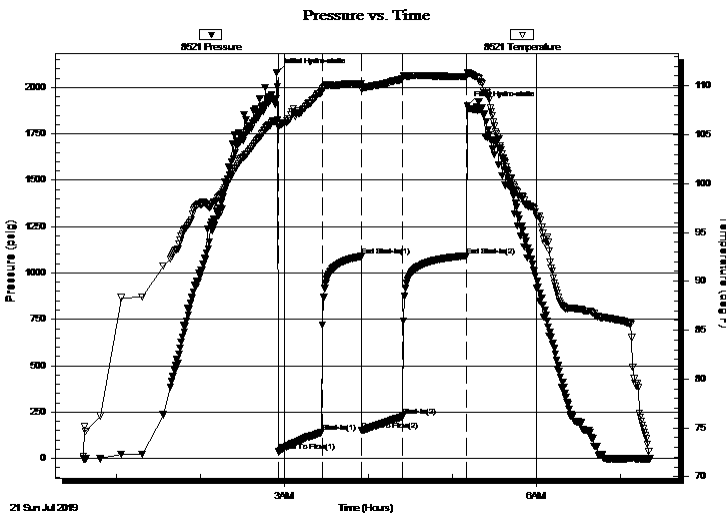
2019.07.21 @ 02:54:30

Time Off Btm:

2019.07.21 @ 05:10:45

TEST COMMENT: IF:BOB in 18 min. Built to 18 1/4" blow
IS:No return blow
FF:BOB in 12 min. Built to 17 1/4" blow
FS:No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2080.76	106.40	Initial Hydro-static
1	37.88	105.81	Open To Flow (1)
33	142.46	109.31	Shut-In(1)
61	1089.60	110.23	End Shut-In(1)
61	152.74	109.65	Open To Flow (2)
90	226.21	110.74	Shut-In(2)
136	1092.75	110.94	End Shut-In(2)
137	1902.56	111.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	mud 100%m	3.48
124.00	w cm 30%w 70%m	1.74
124.00	mcw 30%m 70%w	1.74

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

202 West Main St
Salem IL
62881
ATTN: Tim Lauer

12-16-35 Wichita Co KS

Sanders Comm. 1-12

Job Ticket: 64839 **DST#: 1**
Test Start: 2019.07.21 @ 00:36:15

GENERAL INFORMATION:

Formation: **Lansing A-B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:55:30

Time Test Ended: 07:21:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 81

Interval: 4045.00 ft (KB) To 4105.00 ft (KB) (TVD)

Total Depth: 4105.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3180.00 ft (KB)

3170.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8968 **Outside**

Press@RunDepth: psig @ 4080.00 ft (KB)

Start Date: 2019.07.21

End Date:

2019.07.21

Capacity: 8000.00 psig

Last Calib.:

2019.07.22

Start Time:

00:36:15

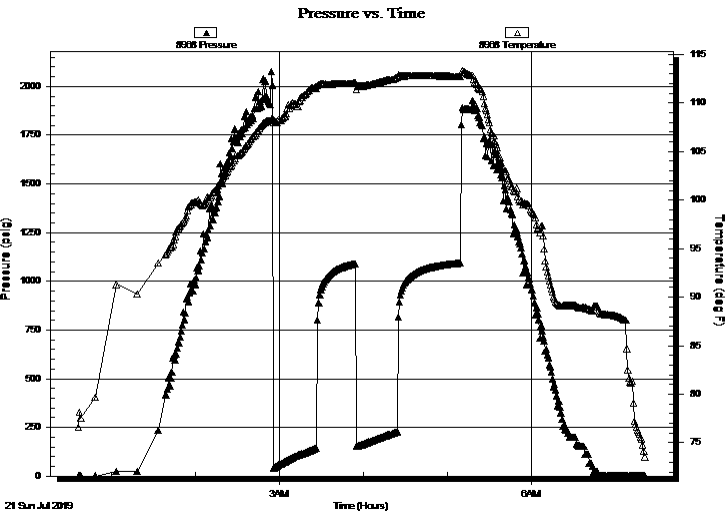
End Time:

07:21:30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:BOB in 18 min. Built to 18 1/4" blow
IS:No return blow
FF:BOB in 12 min. Built to 17 1/4" blow
FS:No return blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
248.00	mud 100%m	3.48
124.00	w cm 30%w 70%m	1.74
124.00	mcw 30%m 70%w	1.74

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.Inc.

12-16-35 Wichita Co KS

202 West Main St
Salem IL
62881
ATTN: Tim Lauer

Sanders Comm. 1-12

Job Ticket: 64839 **DST#: 1**

Test Start: 2019.07.21 @ 00:36:15

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: 28000 ppm
Viscosity: 62.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.77 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

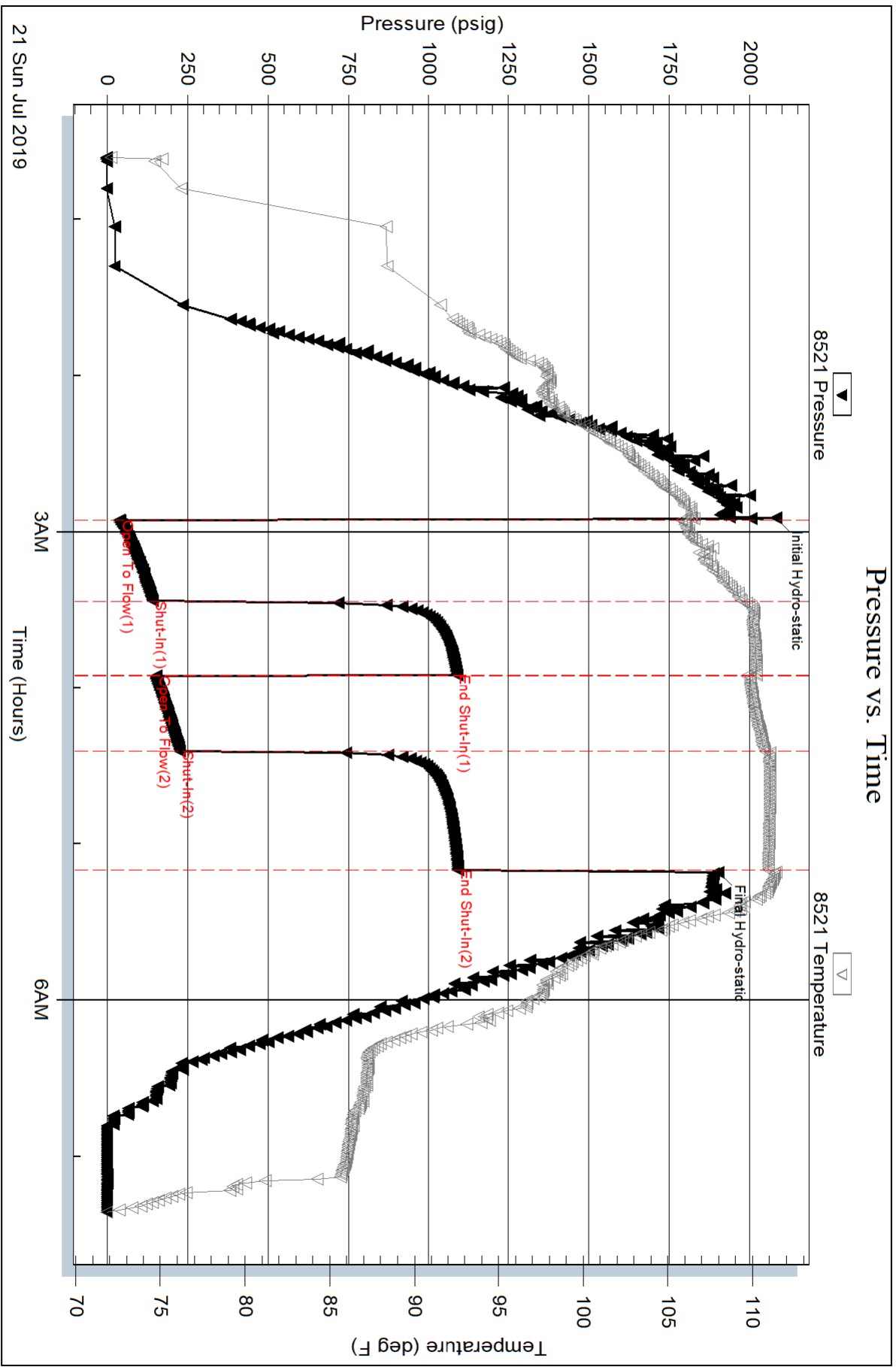
Length ft	Description	Volume bbl
248.00	mud 100%m	3.479
124.00	w cm 30%w 70%m	1.739
124.00	mcw 30%m 70%w	1.739

Total Length: 496.00 ft Total Volume: 6.957 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW= .315@ 61.2= 28,000 ppm



Serial #: 8968

Outside Shakespeare Oil Co./Inc.

Sanders Comm. 1-12

DST Test Number: 1

