



**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: 64842 **DST#: 4**

Test Start: 2019.07.24 @ 22:22:15

## GENERAL INFORMATION:

Formation: **Marmaton B-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:53:30

Time Test Ended: 05:04:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

**Interval: 4484.00 ft (KB) To 4540.00 ft (KB) (TVD)**

Reference Elevations: 3180.00 ft (KB)

Total Depth: 4540.00 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: 33.74 psig @ 4520.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.24

End Date:

2019.07.25

Last Calib.: 2019.07.25

Start Time: 22:22:15

End Time:

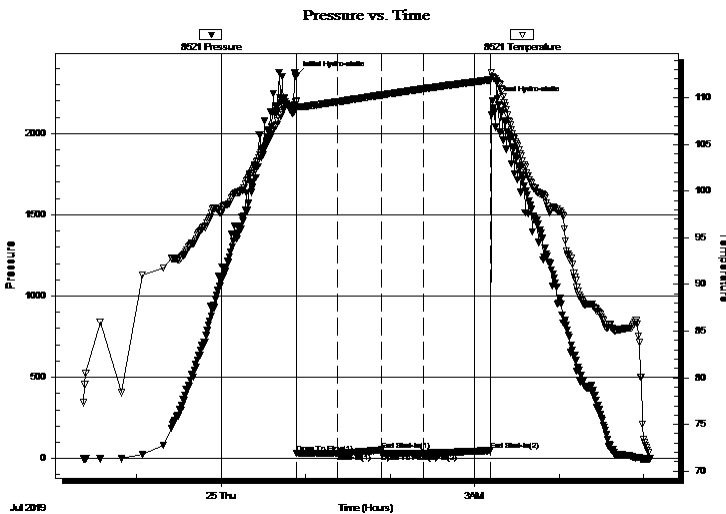
05:04:45

Time On Btm: 2019.07.25 @ 00:53:15

Time Off Btm: 2019.07.25 @ 03:12:30

**TEST COMMENT:** IF:1/4" blow died in 7 min.  
IS:No return blow  
FF:Weak surface blow died in 5 min.  
FS:No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2354.87	109.64	Initial Hydro-static
1	31.84	108.81	Open To Flow (1)
30	33.46	109.56	Shut-In(1)
61	53.36	110.29	End Shut-In(1)
61	32.38	110.28	Open To Flow (2)
91	33.74	110.94	Shut-In(2)
138	49.35	111.90	End Shut-In(2)
140	2199.75	112.27	Final Hydro-static

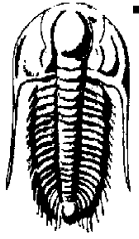
## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil skim on top 100%m	0.07

## Gas Rates

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

\* Recovery from multiple tests



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**Sanders Comm. 1-12**  
 Job Ticket: 64842      **DST#: 4**  
 Test Start: 2019.07.24 @ 22:22:15

### GENERAL INFORMATION:

Formation: **Marmaton B-C**  
 Deviated: No Whipstock:      ft (KB)  
 Time Tool Opened: 00:53:30  
 Time Test Ended: 05:04:45  
 Interval: **4484.00 ft (KB) To 4540.00 ft (KB) (TVD)**  
 Total Depth: 4540.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Mike Roberts  
 Unit No: 81  
 Reference Elevations: 3180.00 ft (KB)  
 3170.00 ft (CF)  
 KB to GR/CF: 10.00 ft

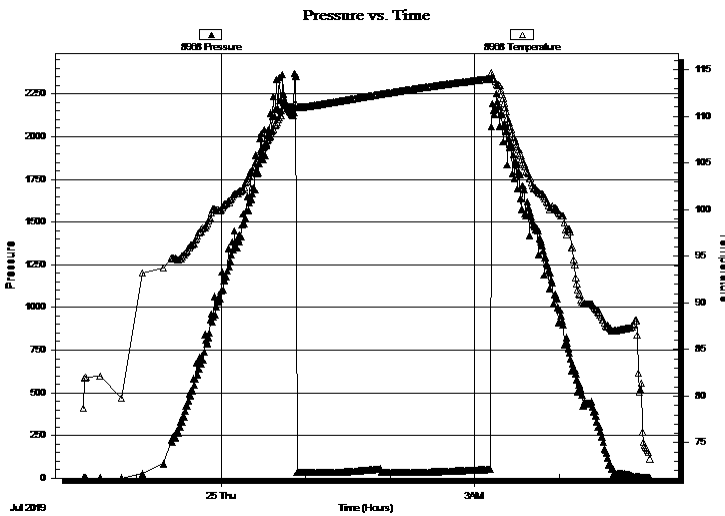
### Serial #: 8968

Outside

Press@RunDepth:      psig @      4520.00 ft (KB)	Capacity:      8000.00 psig
Start Date:      2019.07.24      End Date:      2019.07.25	Last Calib.:      2019.07.25
Start Time:      22:22:15      End Time:      05:04:30	Time On Btm: Time Off Btm:

TEST COMMENT: IF: 1/4" blow died in 7 min.  
 IS: No return blow  
 FF: Weak surface blow died in 5 min.  
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### PRESSURE SUMMARY



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

### Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil skim on top 100% m	0.07

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

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**FLUID SUMMARY**

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**12-16-35 Wichita Co KS**

202 West Main St  
Salem IL  
62881  
ATTN: Tim Lauer

**Sanders Comm. 1-12**

Job Ticket: 64842      **DST#: 4**

Test Start: 2019.07.24 @ 22:22:15

## 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:

0 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.72 in<sup>3</sup>

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
5.00	mud w ith oil skim on top 100%m	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:

