



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

12-18s-32w Scott Co KS

202 West Main St
Salem IL
62881
ATTN: Vern Schrag

Schowalter 8-12

Job Ticket: 64830

DST#: 3

Test Start: 2019.06.25 @ 23:27:15

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:39:45

Time Test Ended: 06:55:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4537.00 ft (KB) To 4565.00 ft (KB) (TVD)

Reference Elevations: 2972.00 ft (KB)

Total Depth: 4565.00 ft (KB) (TVD)

2962.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8521

Inside

Press@RunDepth: 65.72 psig @ 4538.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.06.25

End Date:

2019.06.26

Last Calib.:

2019.06.26

Start Time: 23:27:15

End Time:

06:55:15

Time On Btm:

2019.06.26 @ 01:39:30

Time Off Btm:

2019.06.26 @ 04:26:30

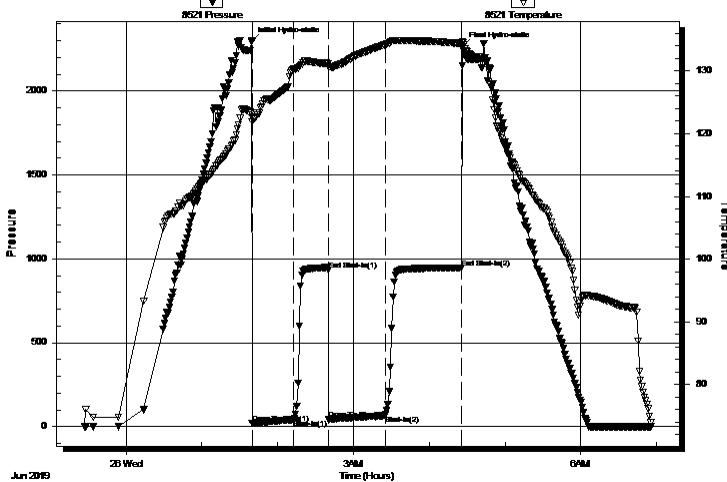
TEST COMMENT: IF: Built to 3 3/4" blow

IS: No return blow

FF: Built to 3" blow

FS: No return blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2292.24	123.36	Initial Hydro-static
1	17.52	121.89	Open To Flow (1)
34	40.94	130.34	Shut-In(1)
61	931.66	131.21	End Shut-In(1)
61	45.21	130.71	Open To Flow (2)
106	65.72	134.19	Shut-In(2)
166	945.68	134.43	End Shut-In(2)
167	2266.08	134.57	Final Hydro-static

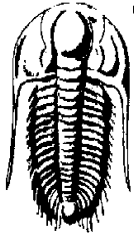
Recovery

Length (ft)	Description	Volume (bbl)
72.00	ocm 20%o 80%m	1.01

* Recovery from multiple tests

Gas Rates

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



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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: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
72.00	ocm 20%o 80%m	1.010

Total Length: 72.00 ft Total Volume: 1.010 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

