



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co

35-16-34 Scott, Ks

202 w Main St
Salem, Il 62881

Janzen 2-35

Job Ticket: 64279

DST#: 1

ATTN: Tim Priest

Test Start: 2017.12.08 @ 14:35:57

GENERAL INFORMATION:

Formation: **Marmaton A-B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:09:27

Time Test Ended: 22:34:57

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Interval: **4439.00 ft (KB) To 4495.00 ft (KB) (TVD)**

Reference Elevations: 3113.00 ft (KB)

Total Depth: 4495.00 ft (KB) (TVD)

3106.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8166 Outside

Press@RunDepth: 18.20 psig @ 4444.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.12.08 End Date: 2017.12.08

Last Calib.: 2017.12.08

Start Time: 14:36:02 End Time: 22:34:56

Time On Btm: 2017.12.08 @ 17:07:57

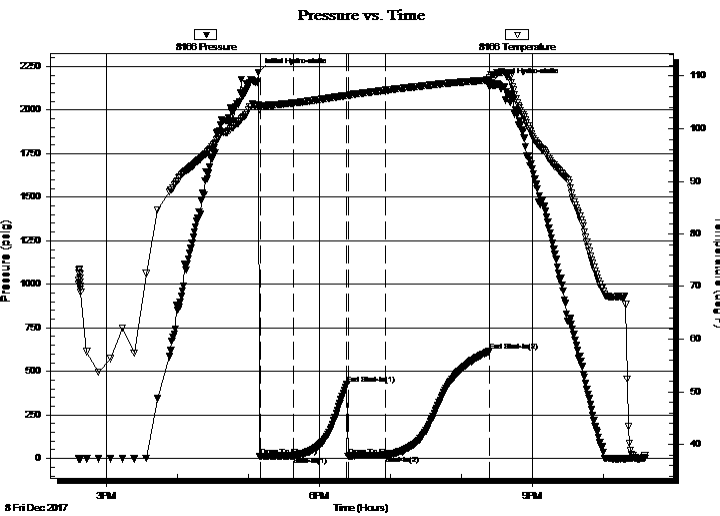
Time Off Btm: 2017.12.08 @ 20:24:57

TEST COMMENT: IF: 1/4 blow died in 10 min.

IS: No return.

FF: No blow.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2216.36	104.48	Initial Hydro-static
2	13.39	104.31	Open To Flow (1)
30	15.06	104.86	Shut-In(1)
75	425.18	106.30	End Shut-In(1)
76	12.62	106.25	Open To Flow (2)
108	18.20	107.29	Shut-In(2)
196	615.75	109.24	End Shut-In(2)
197	2159.05	110.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
12.00	ocm 10%o 90%o m	0.17
3.00	free oil 100%o	0.04

Gas Rates

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



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Reference Elevations: 3113.00 ft (KB)

Total Depth: 4495.00 ft (KB) (TVD)

3106.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 6651

Press@RunDepth: psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.12.08

End Date: 2017.12.08

Last Calib.: 2017.12.08

Start Time: 14:35:14

End Time: 22:34:08

Time On Btm:

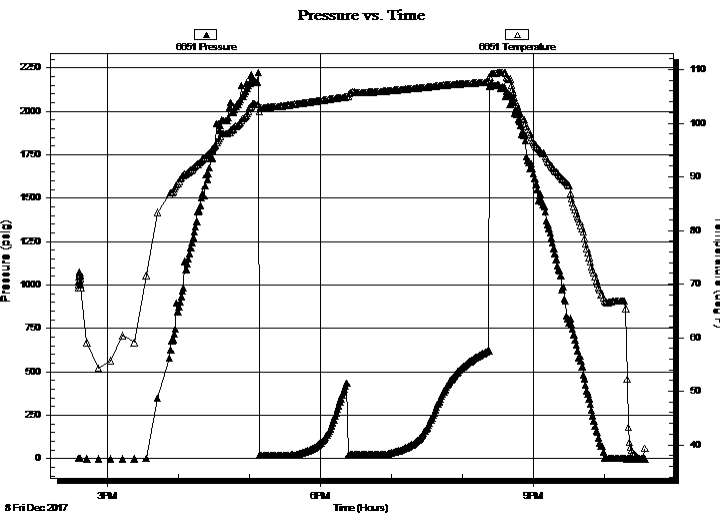
Time Off Btm:

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PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
12.00	ocm 10%o 90%m	0.17
3.00	free oil 100%o	0.04

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

35-16-34 Scott, Ks

202 w Main St
Salem, Il 62881

Janzen 2-35

Job Ticket: 64279

DST#: 1

ATTN: Tim Priest

Test Start: 2017.12.08 @ 14:35:57

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: 49.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.79 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
12.00	ocm 10%o 90%m	0.168
3.00	free oil 100%o	0.042

Total Length: 15.00 ft Total Volume: 0.210 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

