



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

12 17s 35w Wichita, Ks

202 W Main St.
Salem, IL 62881

Manzanec 1-12

Job Ticket: 64825

DST#: 1

ATTN: Tim Lauer

Test Start: 2019.10.28 @ 23:48:00

GENERAL INFORMATION:

Formation: **LKC- I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:39:30

Time Test Ended: 08:49:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

Interval: 4286.00 ft (KB) To 4321.00 ft (KB) (TVD)

Reference Elevations: 3174.00 ft (KB)

Total Depth: 4321.00 ft (KB) (TVD)

3164.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8522

Inside

Press@RunDepth: 25.02 psig @ 4287.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.10.28

End Date:

2019.10.29

Last Calib.:

2019.10.29

Start Time: 23:48:05

End Time:

08:49:45

Time On Btm:

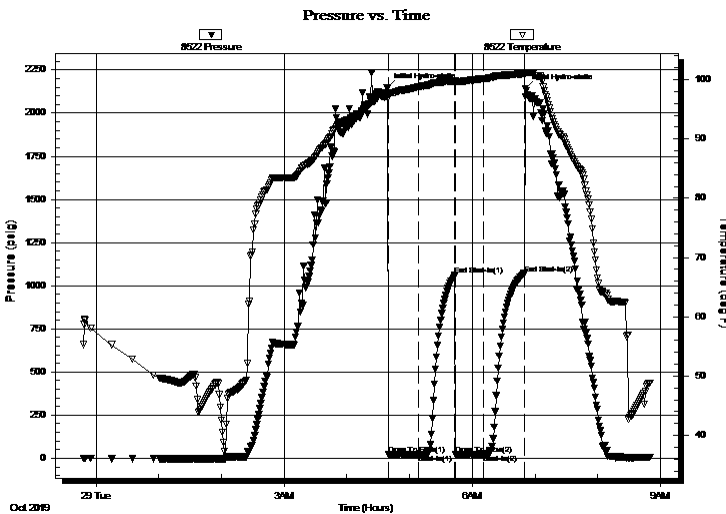
2019.10.29 @ 04:38:30

Time Off Btm:

2019.10.29 @ 06:51:00

TEST COMMENT: 30- IF: 1/2" blow .
30- IS: No return.
30- FF: Surface blow .
30- FSI: No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2145.96	97.85	Initial Hydro-static
1	20.84	97.03	Open To Flow (1)
30	23.66	98.81	Shut-In(1)
65	1059.68	99.79	End Shut-In(1)
66	22.49	99.41	Open To Flow (2)
92	25.02	100.16	Shut-In(2)
131	1070.77	101.01	End Shut-In(2)
133	2144.13	101.11	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
10.00	Mud 100m	0.14
5.00	oil 100o	0.07

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



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FLUID SUMMARY

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Test Start: 2019.10.28 @ 23:48:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

24 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud 100m	0.140
5.00	oil 100o	0.070

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8522

Inside

Shakespeare Oil Co, Inc

Manzanac 1-12

DST Test Number: 1

