



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Company
 202 West Main Street
 Salem IL
 62881
 ATTN: Tim Priest

24-16-34 Scott Co KS

Koehn 1 24

Job Ticket: 64589

DST#: 3

Test Start: 2016.07.22 @ 01:06:15

GENERAL INFORMATION:

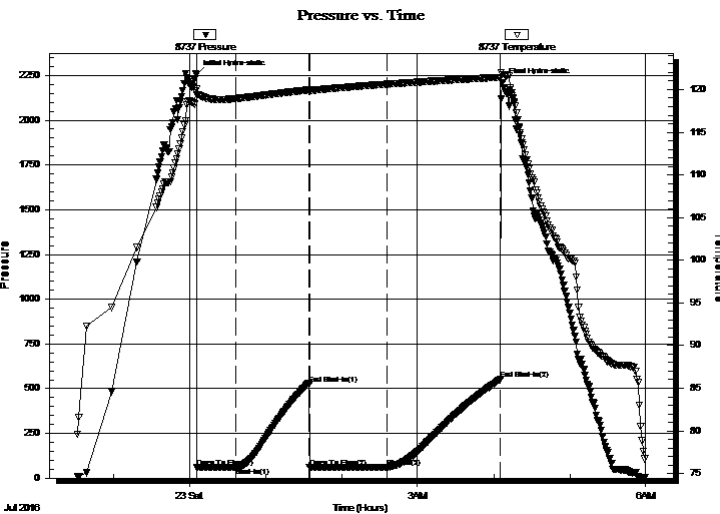
Formation: **Marmaton A-B**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:40:15
 Time Test Ended: 08:33:45
 Interval: **4413.00 ft (KB) To 4500.00 ft (KB) (TVD)**
 Total Depth: 4500.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 81
 Reference Elevations: 3109.00 ft (KB)
 3101.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8737

Outside

Press@RunDepth: 60.66 psig @ 4429.00 ft (KB)
 Start Date: 2016.07.22 End Date: 2016.07.23
 Start Time: 22:32:00 End Time: 05:59:30
 Capacity: 8000.00 psig
 Last Calib.: 2016.07.22
 Time On Btm: 2016.07.23 @ 00:05:30
 Time Off Btm: 2016.07.23 @ 04:07:00

TEST COMMENT: IF: Built to 1/8" blow and died in 18 min.
 IS: No return blow
 FF: No blow
 FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2255.51	120.07	Initial Hydro-static
1	58.17	119.36	Open To Flow (1)
32	59.25	118.94	Shut-In(1)
89	523.87	119.95	End Shut-In(1)
90	60.05	119.84	Open To Flow (2)
151	60.66	120.63	Shut-In(2)
240	552.34	121.44	End Shut-In(2)
242	2211.39	121.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.07

* 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

Mud Weight: 10.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 8.78 in³

Resistivity: 0.00 ohm.m

Salinity: 6100.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

0 deg API

Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 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:

