



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Mid-Continent Energy Corp.

**1-12S-16W Ellis, KS**

105 S. Broadway  
Ste. 360  
Wichita, KS 67202  
ATTN: Eii J. Felts

**National Loan #4-1**

Job Ticket: 63298

**DST#: 8**

Test Start: 2017.08.31 @ 01:48:47

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:17:38

Time Test Ended: 08:27:08

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

**Interval: 3288.00 ft (KB) To 3310.00 ft (KB) (TVD)**

Reference Elevations: 1826.00 ft (KB)

Total Depth: 3310.00 ft (KB) (TVD)

1821.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8524 Outside**

Press@RunDepth: 81.95 psig @ 3307.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.08.31

End Date:

2017.08.31

Last Calib.:

2017.08.31

Start Time: 01:48:48

End Time:

08:27:08

Time On Btm:

2017.08.31 @ 04:17:23

Time Off Btm:

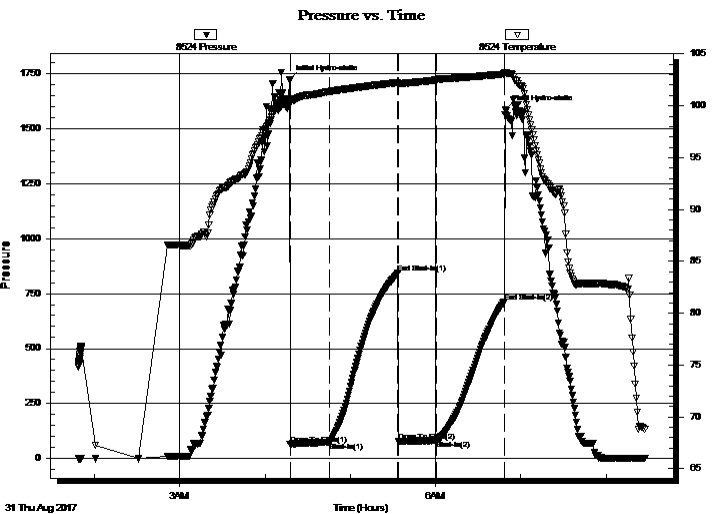
2017.08.31 @ 06:49:08

TEST COMMENT: 30- IF- Surface blow died in 11mins

45- IS- No blow

30- FF- No blow

45- FSI- No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1719.83	100.66	Initial Hydro-static
1	66.04	100.27	Open To Flow (1)
28	73.71	101.38	Shut-In(1)
76	841.61	102.23	End Shut-In(1)
77	79.43	102.03	Open To Flow (2)
104	81.95	102.52	Shut-In(2)
151	711.17	103.05	End Shut-In(2)
152	1586.00	103.19	Final Hydro-static

## Recovery

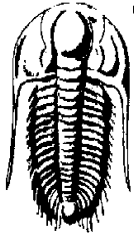
Length (ft)	Description	Volume (bbl)
125.00	M	0.65

\* Recovery from multiple tests

## Gas Rates

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





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**FLUID SUMMARY**

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**National Loan #4-1**

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## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9800.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	M	0.652

Total Length: 125.00 ft

Total Volume: 0.652 bbl

Num Fluid Samples: 0

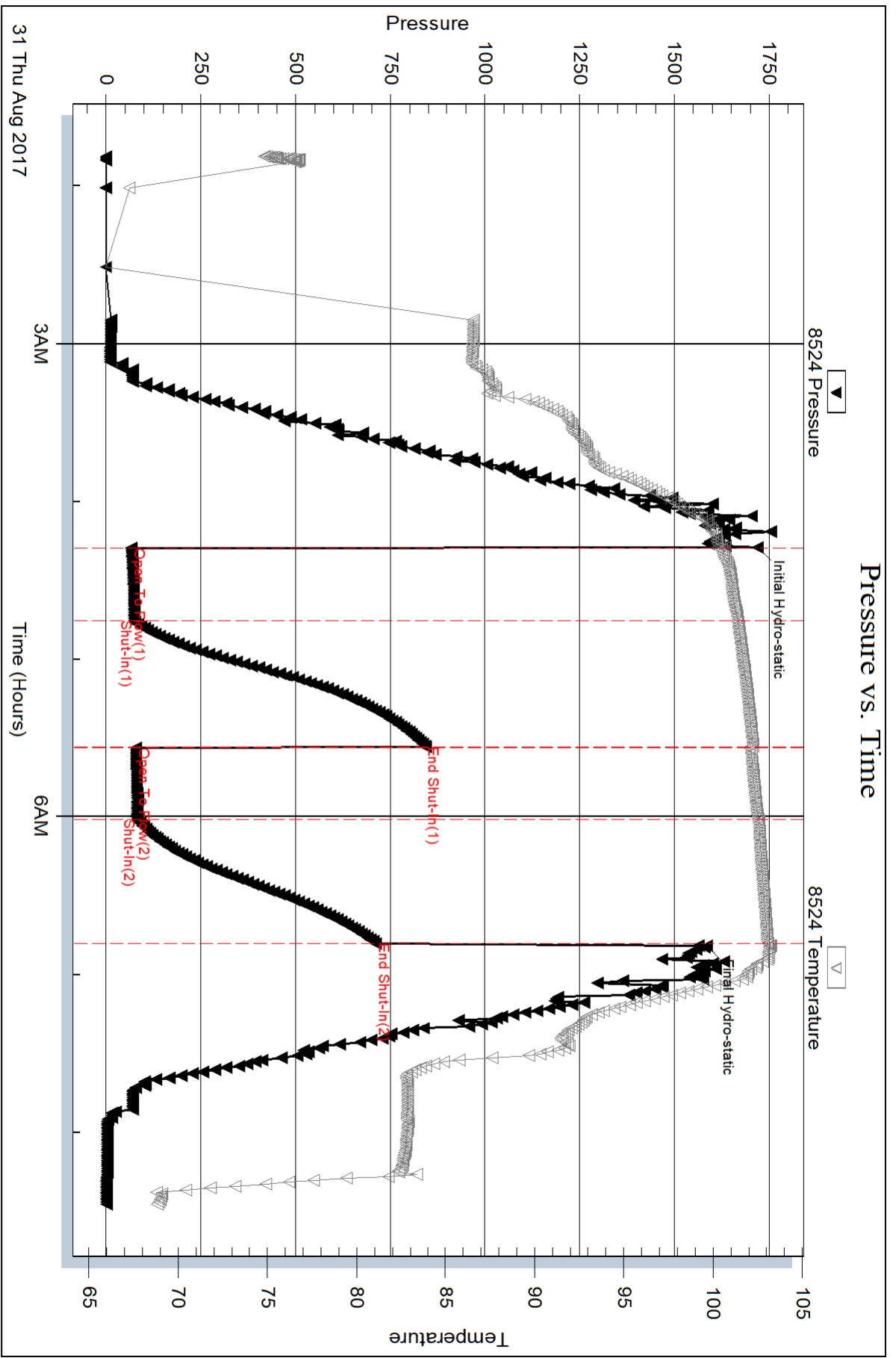
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 6771

Inside

Mtd-Continent Energy Corp.

National Loan #4-1

DST Test Number: 8

