



**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: 63293

**DST#: 3**

Test Start: 2017.08.27 @ 23:41:23

## GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:31:53

Time Test Ended: 07:49:53

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

**Interval: 3060.00 ft (KB) To 3075.00 ft (KB) (TVD)**

Reference Elevations: 1826.00 ft (KB)

Total Depth: 3075.00 ft (KB) (TVD)

1821.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 6753**

**Outside**

Press@RunDepth: 272.45 psig @ 3072.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.08.27

End Date:

2017.08.28

Last Calib.:

2017.08.28

Start Time: 23:41:28

End Time:

07:49:52

Time On Btm:

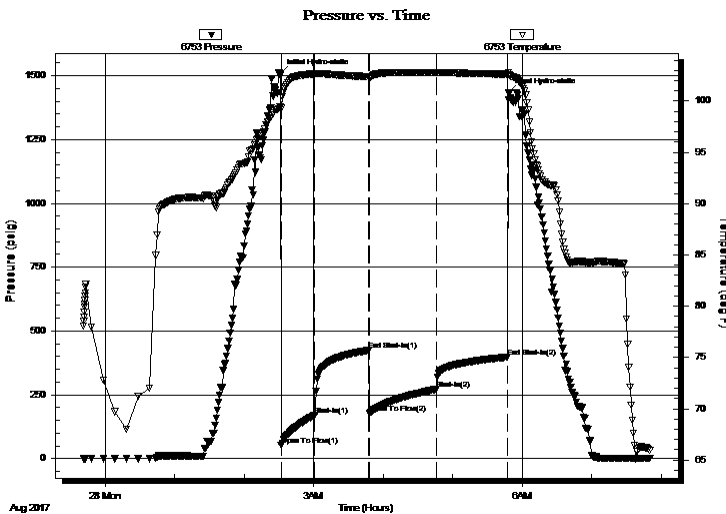
2017.08.28 @ 02:31:23

Time Off Btm:

2017.08.28 @ 05:48:23

**TEST COMMENT:** 30- IF- BOB 4mins  
45- ISL- 2" blow back  
60- FF- BOB 7mins  
60- FSI- 3" blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1507.12	99.47	Initial Hydro-static
1	51.60	99.32	Open To Flow (1)
30	170.53	102.64	Shut-In(1)
76	423.81	102.40	End Shut-In(1)
77	178.44	102.32	Open To Flow (2)
135	272.45	102.79	Shut-In(2)
196	397.97	102.62	End Shut-In(2)
197	1433.07	102.60	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
533.00	MW, 25%M 75%W	6.44
15.00	CO	0.21
0.00	267' GIP	0.00

## Gas Rates

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

\* Recovery from multiple tests





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**FLUID SUMMARY**

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

**National Loan #4-1**

Job Ticket: 63293

**DST#: 3**

Test Start: 2017.08.27 @ 23:41:23

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

93000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
533.00	MW, 25%M 75%W	6.435
15.00	CO	0.213
0.00	267' GIP	0.000

Total Length: 548.00 ft      Total Volume: 6.648 bbl

Num Fluid Samples: 0

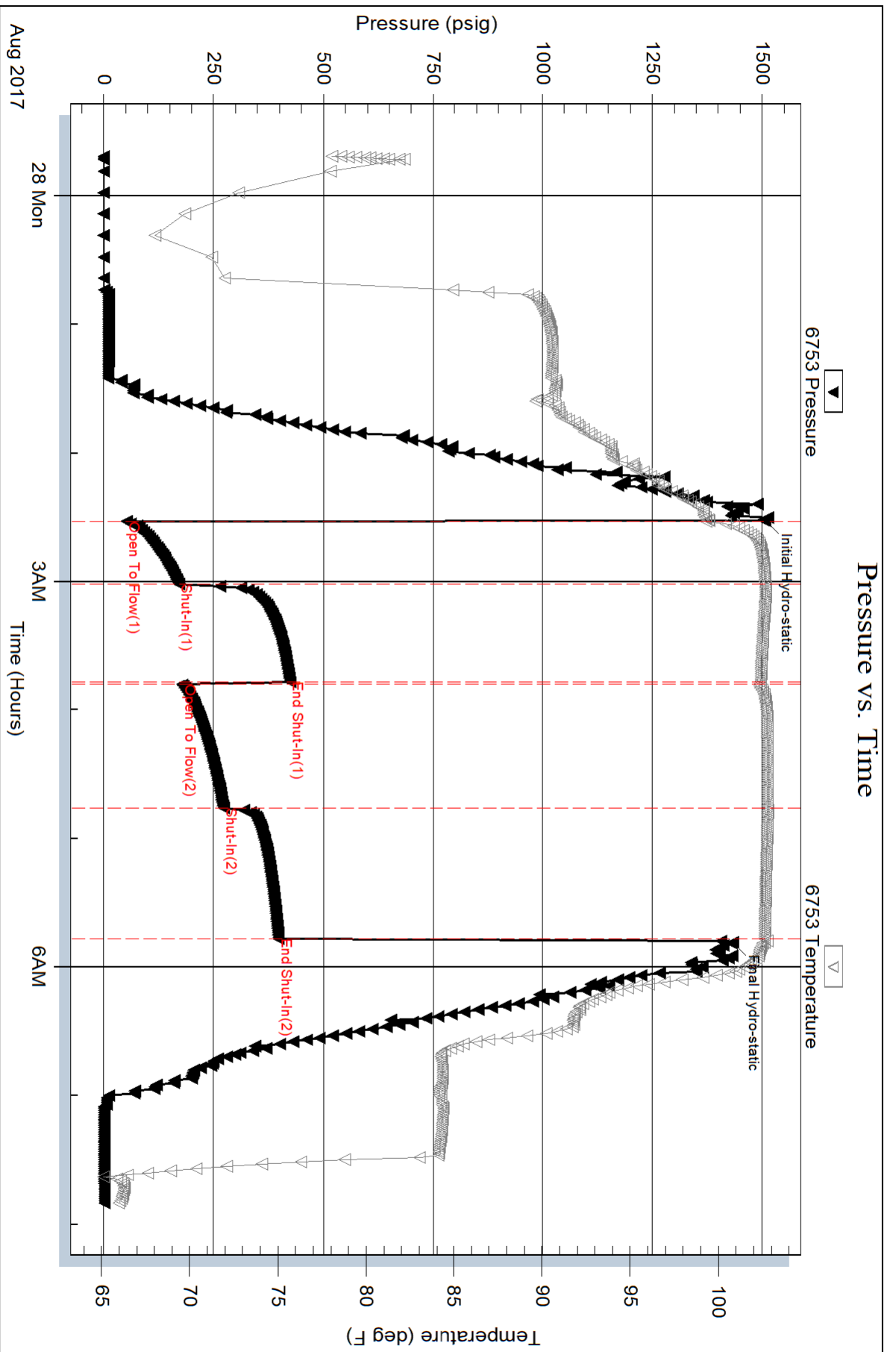
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .08@62deg



Serial #: 6771

Inside

Mtd-Continent Energy Corp.

National Loan #4-1

DST Test Number: 3

