



**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: 63297

**DST#: 7**

Test Start: 2017.08.30 @ 11:33:08

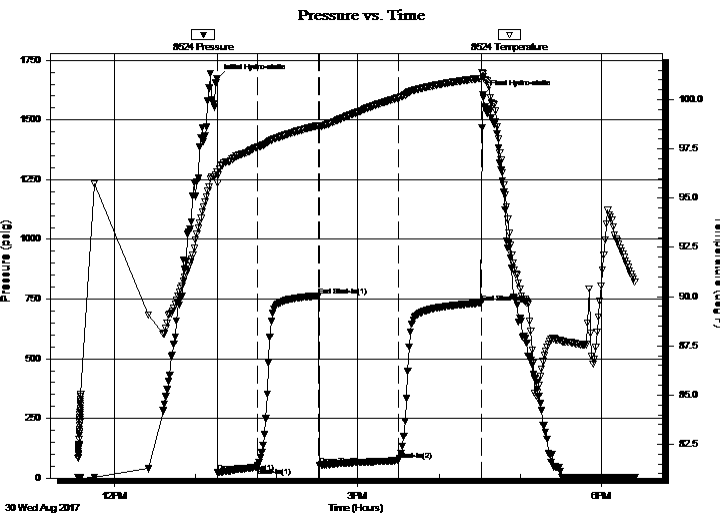
## GENERAL INFORMATION:

Formation: **LKC "K"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 13:16:29  
 Time Test Ended: 18:25:44  
 Interval: **3240.00 ft (KB) To 3256.00 ft (KB) (TVD)**  
 Total Depth: 3256.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brannan Lonsdale  
 Unit No: 73  
 Reference Elevations: 1826.00 ft (KB)  
 1821.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8524 Outside**

Press@RunDepth: 73.98 psig @ 3253.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2017.08.30 End Date: 2017.08.30 Last Calib.: 2017.08.30  
 Start Time: 11:33:09 End Time: 18:25:44 Time On Btm: 2017.08.30 @ 13:16:14  
 Time Off Btm: 2017.08.30 @ 16:32:44

**TEST COMMENT:** 30- IF- BOB 28mins  
 45- IS- Surface blow died in 3mins  
 60- FF- BOB 16mins  
 60- FS- Surface blow died in 7mins



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1673.42	96.34	Initial Hydro-static
1	24.20	95.78	Open To Flow (1)
30	46.19	97.58	Shut-In(1)
75	763.72	98.68	End Shut-In(1)
76	54.47	98.60	Open To Flow (2)
134	73.98	100.10	Shut-In(2)
195	733.46	101.08	End Shut-In(2)
197	1607.40	101.32	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
152.00	GSMCO, 10%G 10%M 80%O	1.03
0.00	2860' GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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





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**FLUID SUMMARY**

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## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 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 bbbl
152.00	GSMCO, 10%G 10%M 80%O	1.034
0.00	2860' GIP	0.000

Total Length: 152.00 ft

Total Volume: 1.034 bbl

Num Fluid Samples: 0

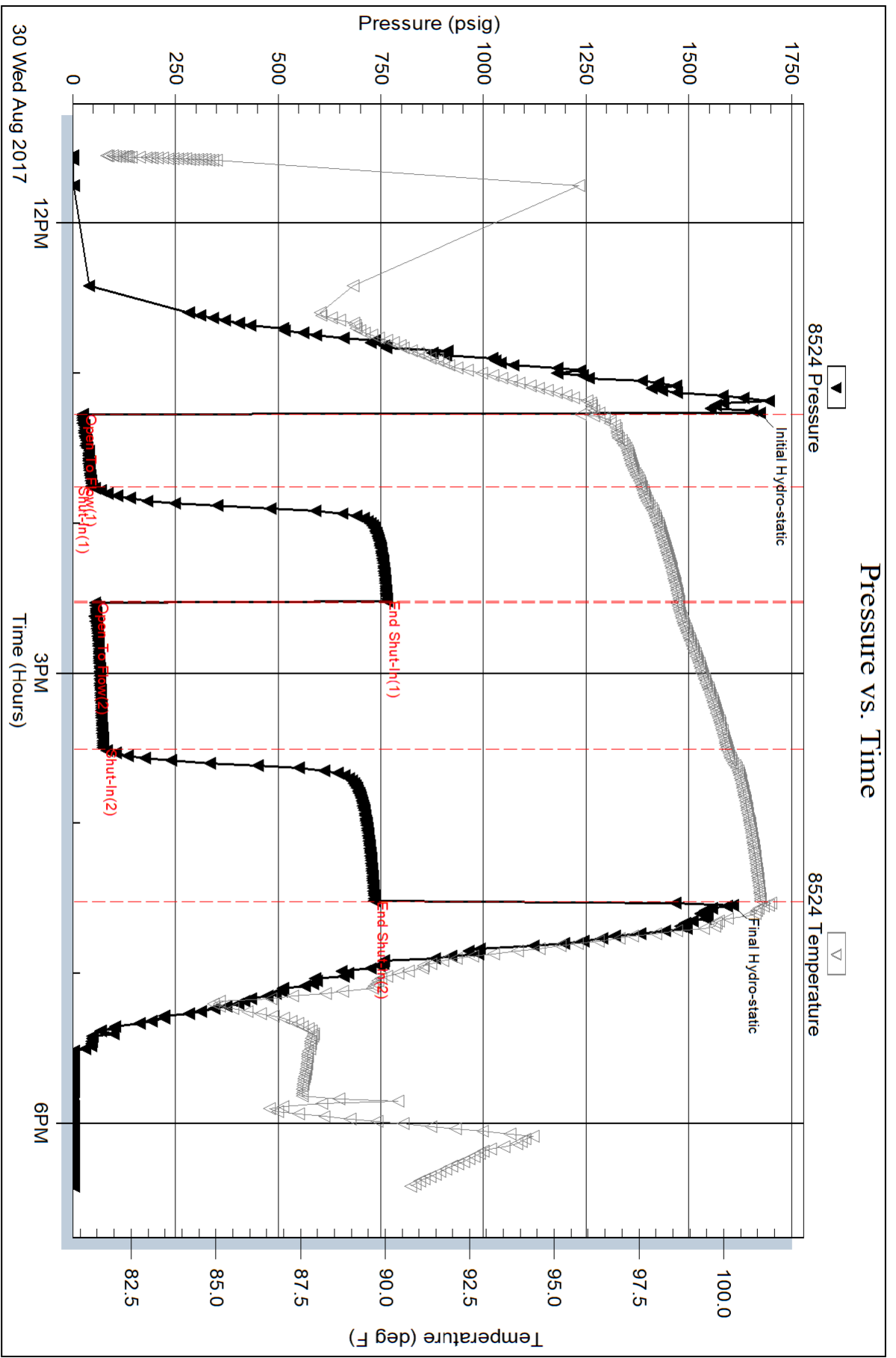
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 6771

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Mtd- Continent Energy Corp.

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DST Test Number: 7

