



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: 63292 **DST#: 2**
Test Start: 2017.08.27 @ 08:49:27

GENERAL INFORMATION:

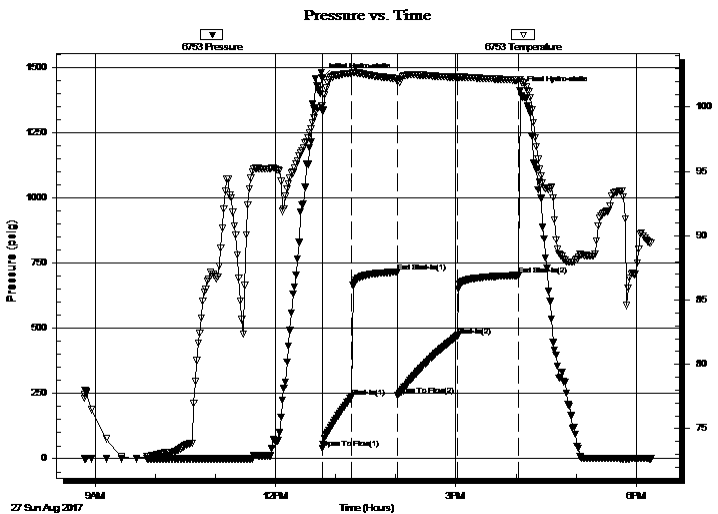
Formation: **Toronto- LKC "A"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:46:57
 Time Test Ended: 18:15:27
 Interval: **2990.00 ft (KB) To 3054.00 ft (KB) (TVD)**
 Total Depth: 3054.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan Lonsdale
 Unit No: 73
 Reference Elevations: 1826.00 ft (KB)
 1821.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6753

Press@RunDepth: 471.94 psig @ ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.08.27 End Date: 2017.08.27 Last Calib.: 2017.08.27
 Start Time: 08:49:32 End Time: 18:15:27 Time On Btm: 2017.08.27 @ 12:46:27
 Time Off Btm: 2017.08.27 @ 16:03:57

TEST COMMENT: 30- IF- BOB 4mins
 45- IS- Surface blow for 18mins then intermittent
 60- FF- BOB 6mins
 60- FSI- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1459.17	100.09	Initial Hydro-static
1	39.21	99.72	Open To Flow (1)
30	236.95	102.59	Shut-In(1)
75	716.03	102.20	End Shut-In(1)
76	242.24	101.93	Open To Flow (2)
136	471.94	102.28	Shut-In(2)
196	703.14	102.09	End Shut-In(2)
198	1411.61	102.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
879.00	MW, 10%M 90%W	11.34
94.00	WOCM, 25%W 5%O 75%M	1.33
0.00	31' 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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Job Ticket: 63292

DST#: 2

Test Start: 2017.08.27 @ 08:49:27

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 52.00 sec/qt
Water Loss: 6.80 in³
Resistivity: ohm.m
Salinity: 5200.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 32 deg API
Water Salinity: 93000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
879.00	MW, 10%M 90%W	11.340
94.00	WOCM, 25%W 5%O 75%M	1.332
0.00	31' GIP	0.000

Total Length: 973.00 ft Total Volume: 12.672 bbl

Num Fluid Samples: 0

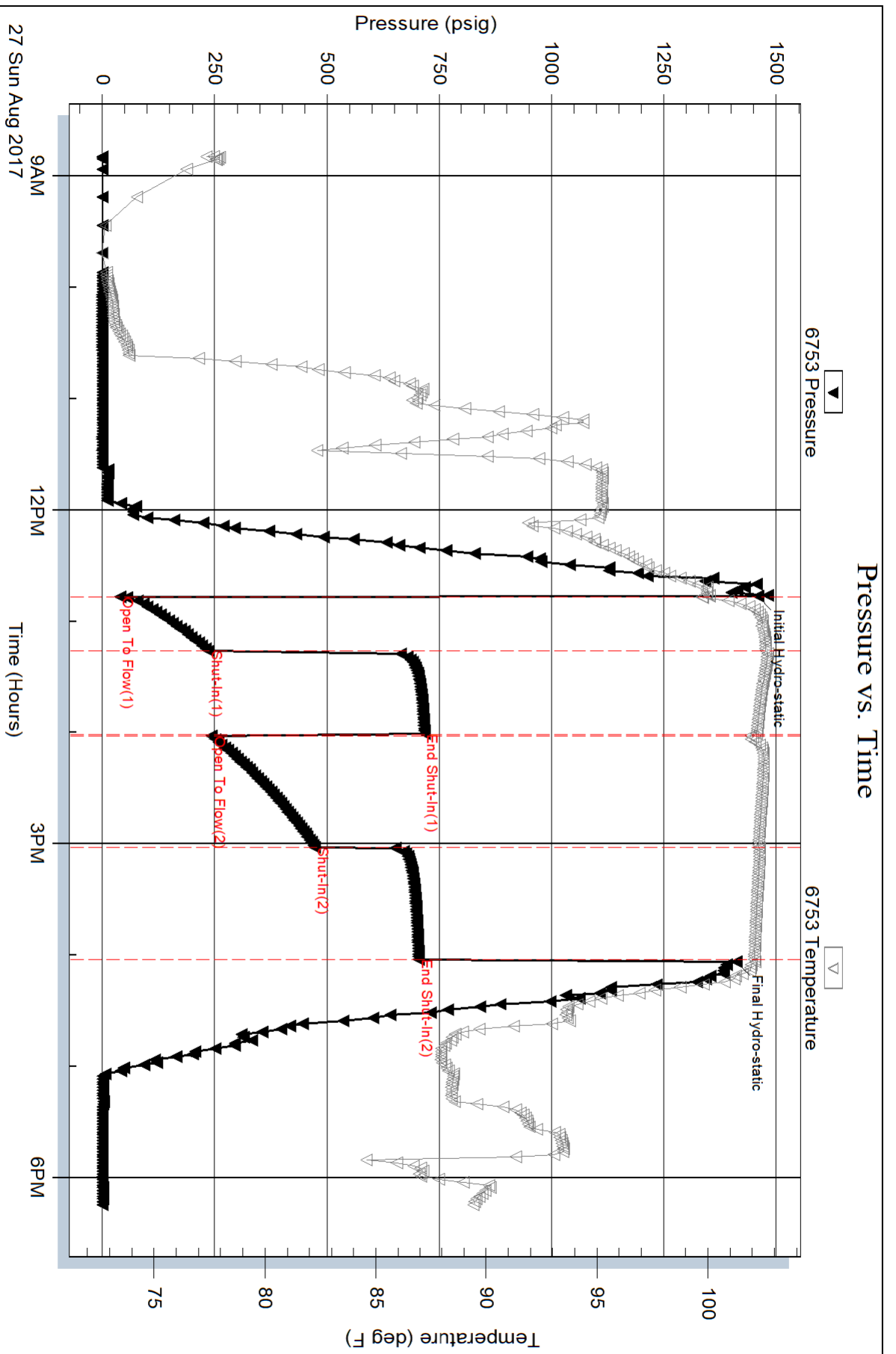
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .06@82deg



Serial #: 6771

Inside

Mtd-Continent Energy Corp.

National Loan #4-1

DST Test Number: 2

