



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: 63296

DST#: 6

Test Start: 2017.08.29 @ 22:34:04

GENERAL INFORMATION:

Formation: **LKC "H-J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:34:40
 Time Test Ended: 05:21:55
 Interval: **3185.00 ft (KB) To 3230.00 ft (KB) (TVD)**
 Total Depth: 3230.00 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

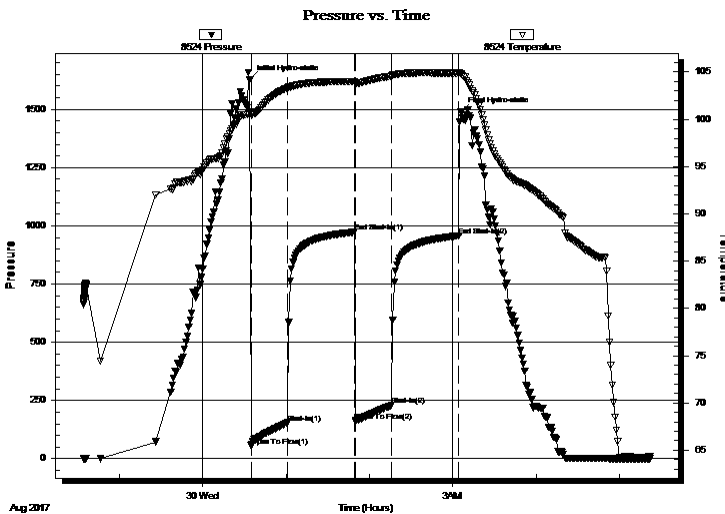
Serial #: 8524

Outside

Press@RunDepth: 229.21 psig @ 3227.00 ft (KB)
 Start Date: 2017.08.29 End Date: 2017.08.30
 Start Time: 22:34:05 End Time: 05:21:55
 Capacity: 8000.00 psig
 Last Calib.: 2017.08.30
 Time On Btm: 2017.08.30 @ 00:34:10
 Time Off Btm: 2017.08.30 @ 03:06:10

TEST COMMENT: 30- IF- BOB 8mins
 45- ISL- Weak surface blow
 30- FF- BOB 9mins
 45- FSI- Surface blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1629.91	100.79	Initial Hydro-static
1	55.78	100.49	Open To Flow (1)
27	154.42	103.32	Shut-In(1)
76	973.00	104.02	End Shut-In(1)
76	162.27	103.85	Open To Flow (2)
102	229.21	104.58	Shut-In(2)
151	956.34	104.86	End Shut-In(2)
152	1491.76	104.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
251.00	SOCMW, 5%O 80%W 15%M	2.44
220.00	SGWOCM, 5%G 15%O 25%W 55%M	3.12
0.00	94' 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:

26 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

75000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
251.00	SOCMW, 5%O 80%W 15%M	2.438
220.00	SGWOCM, 5%G 15%O 25%W 55%M	3.119
0.00	94' GIP	0.000

Total Length: 471.00 ft Total Volume: 5.557 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .10@60deg

