



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

CMX Incorporated  
1700 N Waterfront Parkway  
Building 300B  
Wichita, Kansas 67206  
ATTN: Ken LaBlanc

**35/16S/11W/Barton**

**Homolke #1-35**

Job Ticket: 62050

**DST#: 1**

Test Start: 2015.03.20 @ 22:59:00

## GENERAL INFORMATION:

Formation: **Lansing/Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:23:30

Time Test Ended: 05:38:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 58 Great Bend/68

Interval: **3075.00 ft (KB) To 3102.00 ft (KB) (TVD)**

Reference Elevations: 1932.00 ft (KB)

Total Depth: 3102.00 ft (KB) (TVD)

1919.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

**Serial #: 6838**

**Inside**

Press @ Run Depth: 103.84 psig @ 3097.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.03.20

End Date:

2015.03.21

Last Calib.:

2015.03.21

Start Time: 23:00:00

End Time:

05:38:30

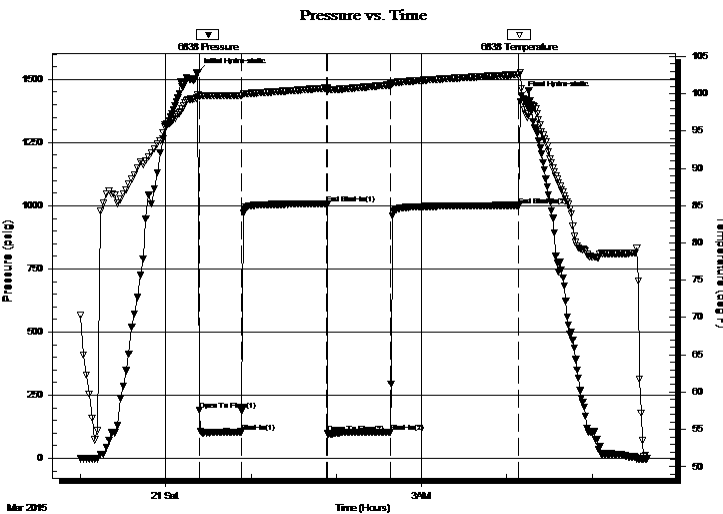
Time On Btm:

2015.03.21 @ 00:22:30

Time Off Btm:

2015.03.21 @ 04:10:30

**TEST COMMENT:** 1ST Open 30 Minutes/Strong blow/Blow built to bottom of bucket in 13 seconds/Gas to surface in 2 minutes  
1ST Shut In 60 Minutes/Blow back built to bottom of bucket in 2 minutes  
2ND Open 45 Minutes/Strong blow/Blow at bottom of bucket at open  
2ND Shut In 90 Minutes/Blow back built to bottom of bucket in 1 minute 30 seconds



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1528.01	99.82	Initial Hydro-static
1	191.87	99.57	Open To Flow (1)
31	105.17	99.71	Shut-In(1)
91	1007.56	100.76	End Shut-In(1)
92	97.49	100.50	Open To Flow (2)
136	103.84	101.16	Shut-In(2)
226	1001.80	102.56	End Shut-In(2)
228	1435.87	100.71	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
90.00	Mud 100%	0.44

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	11.92	411.04
Last Gas Rate	0.75	13.90	442.04
Max. Gas Rate	0.75	13.90	442.04



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**FLUID SUMMARY**

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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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.00 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	Mud 100%	0.443

Total Length: 90.00 ft      Total Volume: 0.443 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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**GAS RATES**

CMX Incorporated

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**Homolke #1-35**

Job Ticket: 62050

**DST#: 1**

Test Start: 2015.03.20 @ 22:59:00

### Gas Rates Information

Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	20	0.75	11.92	411.04
1	20	0.75	11.92	411.04
1	30	0.75	13.52	436.03
2	10	0.75	13.52	436.03
2	20	0.75	13.90	442.04
2	30	0.75	13.90	442.04
2	40	0.75	13.90	442.04

