



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

CMX INC  
 1700N WaterFront PKWY  
 Bldg 300 B  
 ATTN: Leah Kasten

**6-24-19 Edwards Co**  
**Bornholdt #1**  
 Job Ticket: 50947 **DST#: 3**  
 Test Start: 2013.04.01 @ 13:45:44

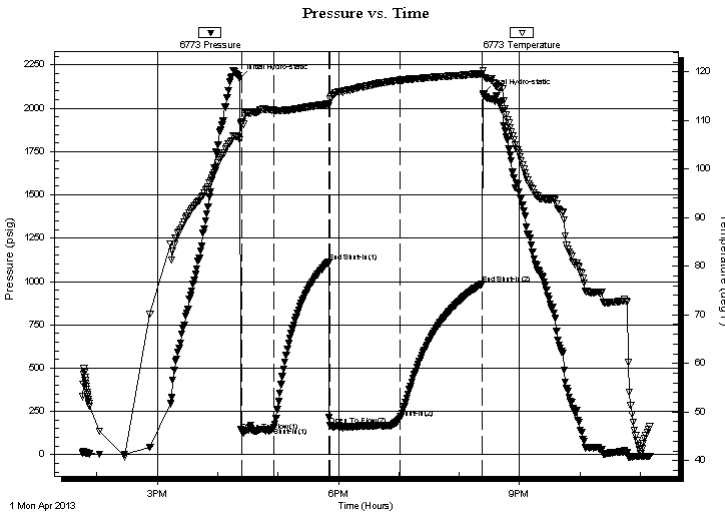
## GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 16:23:29  
 Time Test Ended: 23:10:14  
 Interval: **4551.00 ft (KB) To 4578.00 ft (KB) (TVD)**  
 Total Depth: 4578.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Chris Staats  
 Unit No: 47  
 Reference Elevations: 2202.00 ft (KB)  
 2189.00 ft (CF)  
 KB to GR/CF: 13.00 ft

**Serial #: 6773 Outside**  
 Press @ Run Depth: 210.55 psig @ 4552.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.04.01 End Date: 2013.04.01 Last Calib.: 2013.04.01  
 Start Time: 13:45:49 End Time: 23:10:14 Time On Btm: 2013.04.01 @ 16:21:44  
 Time Off Btm: 2013.04.01 @ 20:23:59

**TEST COMMENT:** IF: Fair blow 4 1/4"  
 IS: No blow back  
 FF: Weak blow 3 1/2"  
 FS: No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2170.64	106.05	Initial Hydro-static
2	137.30	109.52	Open To Flow (1)
35	157.10	112.06	Shut-In(1)
89	1110.83	113.39	End Shut-In(1)
90	168.72	114.48	Open To Flow (2)
160	210.55	118.28	Shut-In(2)
241	985.71	119.61	End Shut-In(2)
243	2083.77	120.25	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	240 GIP	0.00
120.00	M,W 40% mud 60% w ater	0.59
60.00	W,M 40%w ater 60% mud	0.30
20.00	MUD	0.23

\* 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:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	15000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 11000.00 ppm			
Filter Cake: 0.02 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	240 GIP	0.000
120.00	M,W 40%mud 60% w ater	0.590
60.00	W,M 40%w ater 60% mud	0.295
20.00	MUD	0.235

Total Length: 200.00 ft      Total Volume: 1.120 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

