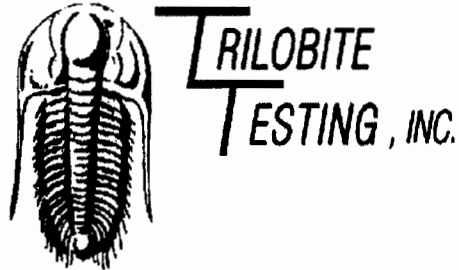


15-195-22328

**KCC**  
JUN 08 2006  
**CONFIDENTIAL**



## DRILL STEM TEST REPORT

Prepared For: **CMX. Inc.**

1551 N Waterfront Parkway  
Ste 150  
Wichita KS 67206

ATTN: Doug McGinness

**22-15s-21w Trego**

**High Plains Drifter #1**

Start Date: 2006.03.01 @ 16:32:38

End Date: 2006.03.01 @ 21:49:07

Job Ticket #: 23038                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

CMX. Inc.

High Plains Drifter #1

22-15s-21w Trego

DST # 1

Pawnee Sand

2006.03.01



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

CMX, Inc.  
1551 N Waterfront Parkway  
Ste 150  
Wichita KS 67206  
ATTN: Doug McGinness

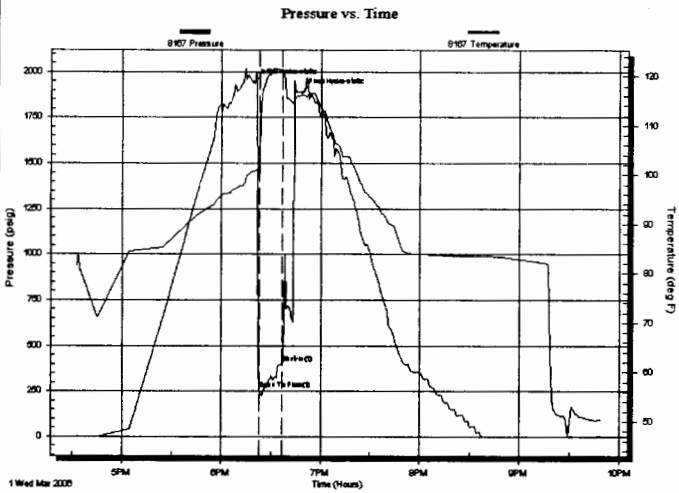
**High Plains Drifter #1**  
**22-15s-21w Trego**  
Job Ticket: 23038      **DST#: 1**  
Test Start: 2006.03.01 @ 16:32:38

## GENERAL INFORMATION:

Formation: **Pawnee Sand**  
Deviated: **No Whipstock:**      ft (KB)  
Time Tool Opened: 18:22:37  
Time Test Ended: 21:49:07  
Interval: **4010.00 ft (KB) To 4055.00 ft (KB) (TVD)**  
Total Depth: **4055.00 ft (KB) (TVD)**  
Hole Diameter: **7.85 inches** Hole Condition: **Fair**  
Test Type: **Conventional Bottom Hole**  
Tester: **Ray Schwager**  
Unit No: **28**  
Reference Elevations: **2211.00 ft (KB)**  
**2206.00 ft (CF)**  
KB to GR/CF: **5.00 ft**

**Serial #: 8167**      **Inside**  
Press@RunDepth:      psig @      4021.01 ft (KB)      Capacity:      7000.00 psig  
Start Date:      2006.03.01      End Date:      2006.03.01      Last Calib.:      2006.03.02  
Start Time:      16:32:38      End Time:      21:49:07      Time On Btm:      2006.03.01 @ 18:19:07  
Time Off Btm:      2006.03.01 @ 18:48:37

**TEST COMMENT:** FP-strg bl in 30sec  
Times 15-out



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1942.27	100.78	Initial Hydro-static
4	262.26	104.47	Open To Flow (1)
18	403.77	121.10	Shut-In(1)
30	1886.13	116.16	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
72.00	SO&GCWM 10G3%O 20W67M	1.01
248.00	O&GCWM 10G 10%O 40W 40M	3.48
310.00	MGWCO 10G 45%O 40W 5M	4.35
186.00	MGWCO 15G 50%O 30W 5M	2.61

## Gas Rates

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



**TRILOBITE  
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## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

CMX, Inc.  
1551 N Waterfront Parkway  
Ste 150  
Wichita KS 67206  
ATTN: Doug McGinness

**High Plains Drifter #1**  
**22-15s-21w Trego**  
Job Ticket: 23038      DST#: 1  
Test Start: 2006.03.01 @ 16:32:38

### Tool Information

Drill Pipe:	Length: 4009.00 ft	Diameter: 3.80 inches	Volume: 56.24 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 140000.0 lb
			Total Volume: 56.24 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4010.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.02 ft			
Tool Length:	73.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3983.00	
Shut In Tool	5.00			3988.00	
Hydraulic tool	5.00			3993.00	
Jars	5.00			3998.00	
Safety Joint	2.00			4000.00	
Packer	5.00			4005.00	28.00      Bottom Of Top Packer
Packer	5.00			4010.00	
Stubb	1.00			4011.00	
Perforations	10.00			4021.00	
Recorder	0.01	8167	Inside	4021.01	
Perforations	31.00			4052.01	
Recorder	0.01	13534	Outside	4052.02	
Bullnose	3.00			4055.02	45.02      Bottom Packers & Anchor

**Total Tool Length: 73.02**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

CMX, Inc.  
1551 N Waterfront Parkw ay  
Ste 150  
Wichita KS 67206  
ATTN: Doug McGinness

**High Plains Drifter #1**  
**22-15s-21w Trego**  
Job Ticket: 23038      DST#: 1  
Test Start: 2006.03.01 @ 16:32:38

## 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:	26000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.18 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 2.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
72.00	SO&GCWM 10G3%O 20W67M	1.010
248.00	O&GCWM 10G 10%O 40W 40M	3.479
310.00	MGWCO 10G 45%O 40W 5M	4.348
186.00	MGWCO 15G 50%O 30W 5M	2.609

Total Length: 816.00 ft      Total Volume: 11.446 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: RW .44@50F

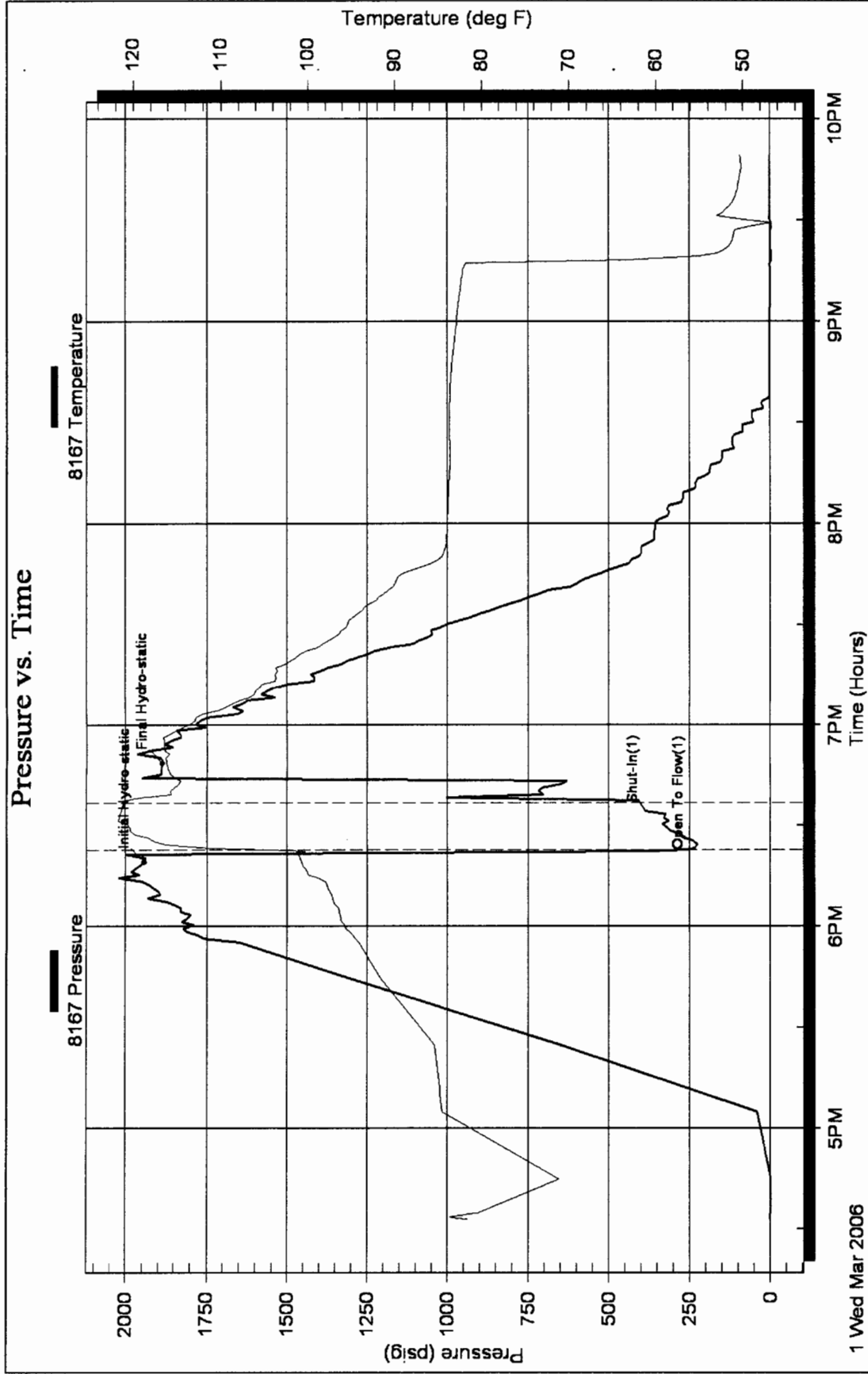
Serial #: 8167

Inside CMX, Inc.

22-15s-21w Trego

DST Test Number: 1

### Pressure vs. Time



1 Wed Mar 2006

Trilobite Testing, Inc

Ref. No: 23038

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