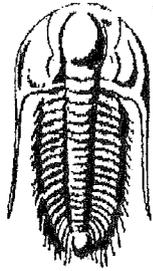


15-159-22481

28-19s-6w



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **CMX Inc**

1551 Waterfront Parkway Ste 150  
Wichita KS 67206

ATTN: Ken LeBlanc

**28 19S 6W Rice KS**

**Francisco 1-28**

Start Date: 2006.05.16 @ 06:39:08

End Date: 2006.05.16 @ 14:50:38

Job Ticket #: 24062      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

CMX Inc

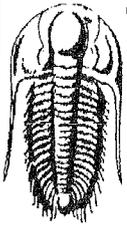
Francisco 1-28

28 19S 6W Rice KS

DST # 1

K.C.-L.N.M.

2006.05.16



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

CMX Inc  
1551 Waterfront Parkway Ste 150  
Wichita KS 67206  
ATTN: Ken LeBlanc

**Francisco 1-28**  
**28 19S 6W Rice KS**  
Job Ticket: 24062      **DST#: 1**  
Test Start: 2006.05.16 @ 06:39:08

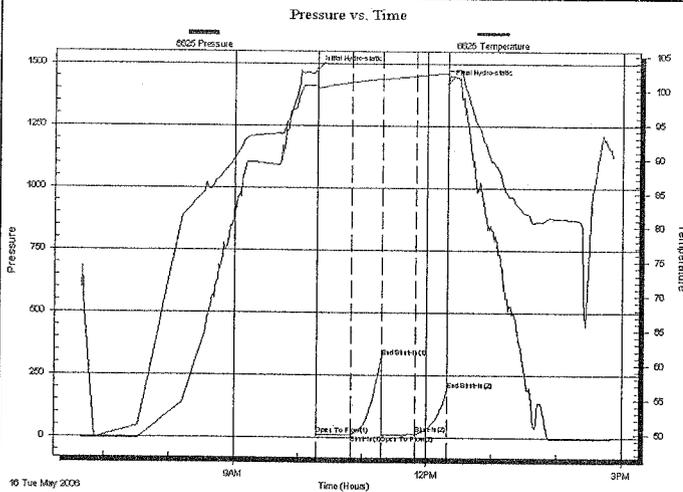
### GENERAL INFORMATION:

Formation: **K.C.-L.N.M.**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 10:18:08  
Time Test Ended: 14:50:38  
Interval: **3030.00 ft (KB) To 3085.00 ft (KB) (TVD)**  
Total Depth: 3085.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole  
Tester: Les Adams  
Unit No: #19  
Reference Elevations: 1584.00 ft (KB)  
1574.00 ft (CF)  
KB to GR/CF: 10.00 ft

**Serial #: 6625**      **Inside**  
Press@RunDepth: 15.55 psig @ 3032.00 ft (KB)      Capacity: 7000.00 psig  
Start Date: 2006.05.16      End Date: 2006.05.16      Last Calib.: 2006.05.16  
Start Time: 06:39:09      End Time: 14:50:38      Time On Btm: 2006.05.16 @ 10:17:53  
Time Off Btm: 2006.05.16 @ 12:19:38

TEST COMMENT: IF Weak surf blow Dead in 20"  
ISI No Blow  
FF No Blow  
FSI No blow



### PRESSURE SUMMARY

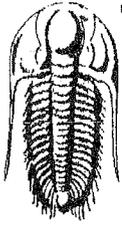
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1478.32	100.75	Initial Hydro-static
1	11.70	100.40	Open To Flow (1)
33	14.69	101.16	Shut-In(1)
61	324.80	101.72	End Shut-In(1)
61	14.10	101.71	Open To Flow (2)
92	15.55	102.11	Shut-In(2)
122	192.91	102.55	End Shut-In(2)
122	1423.33	103.07	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
10.00	DRLG MUD	0.05

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

CMX Inc

**Francisco 1-28**

1551 Waterfront Parkway Ste 150  
Wichita KS 67206

**28 19S 6W Rice KS**

Job Ticket: 24062

**DST#: 1**

ATTN: Ken LeBlanc

Test Start: 2006.05.16 @ 06:39:08

### Tool Information

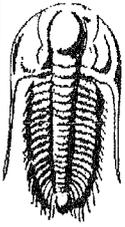
Drill Pipe:	Length: 2755.00 ft	Diameter: 3.00 inches	Volume: 24.09 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 280.00 ft	Diameter: 2.25 inches	Volume: 1.38 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 25.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3030.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	78.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3012.00	
Hydraulic tool	5.00			3017.00	
Safety Joint	3.00			3020.00	
Packer	5.00			3025.00	23.00 Bottom Of Top Packer
Packer	5.00			3030.00	
Stubb	1.00			3031.00	
Change Over Sub	1.00			3032.00	
Recorder	0.00	6625	Inside	3032.00	
Blank Spacing	31.00			3063.00	
Change Over Sub	1.00			3064.00	
Perforations	18.00			3082.00	
Recorder	0.00	11019	Outside	3082.00	
Bullnose	3.00			3085.00	55.00 Bottom Packers & Anchor

**Total Tool Length: 78.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

CMX Inc  
1551 Waterfront Parkway Ste 150  
Wichita KS 67206  
ATTN: Ken LeBlanc

Francisco 1-28  
28 19S 6W Rice KS  
Job Ticket: 24062      DST#: 1  
Test Start: 2006.05.16 @ 06:39:08

### 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: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4800.00 ppm			
Filter Cake: 0.02 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	DRLG MUD	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

Serial #: 6625

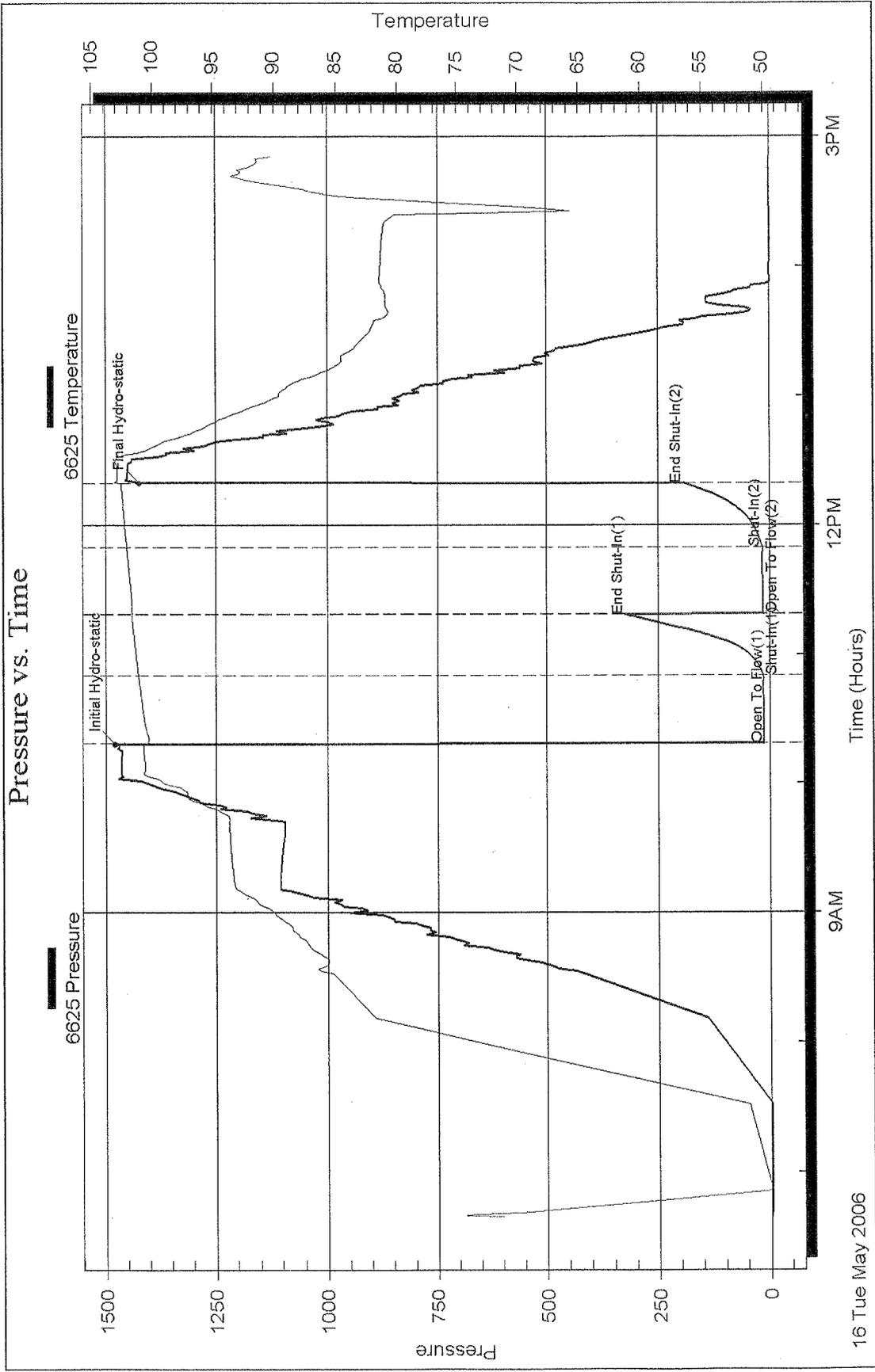
Inside

CMX, Inc

28 19S 6W Rice KS

DST Test Number: 1

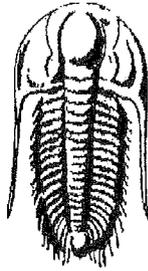
### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 24062

Printed: 2006.05.23 @ 09:44:38 Page 5



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **CMX Inc**

1551 Waterfront Parkway Ste 150  
Wichita KS 67206

ATTN: Ken LeBlanc

**28 19S 6W Rice KS**

**Francisco 1-28**

Start Date: 2006.05.17 @ 05:48:22

End Date: 2006.05.17 @ 17:09:37

Job Ticket #: 24063                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

CMX Inc

Francisco 1-28

28 19S 6W Rice KS

DST # 2

Mississippi-Chert

2006.05.17



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

CMX Inc

1551 Waterfront Parkway Ste 150  
Wichita KS 67206

ATTN: Ken LeBlanc

Francisco 1-28

28 19S 6W Rice KS

Job Ticket: 24063

DST#: 2

Test Start: 2006.05.17 @ 05:48:22

### GENERAL INFORMATION:

Formation: **Mississippi-Chert**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:49:07

Time Test Ended: 17:09:37

Test Type: Conventional Bottom Hole

Tester: Les Adams

Unit No: #19

Interval: **3160.00 ft (KB) To 3210.00 ft (KB) (TVD)**

Total Depth: 3210.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1584.00 ft (KB)

1574.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6625

Inside

Press@RunDepth: 67.05 psig @ 3162.00 ft (KB)

Start Date: 2006.05.17

End Date: 2006.05.17

Start Time: 05:48:23

End Time: 17:09:37

Capacity: 7000.00 psig

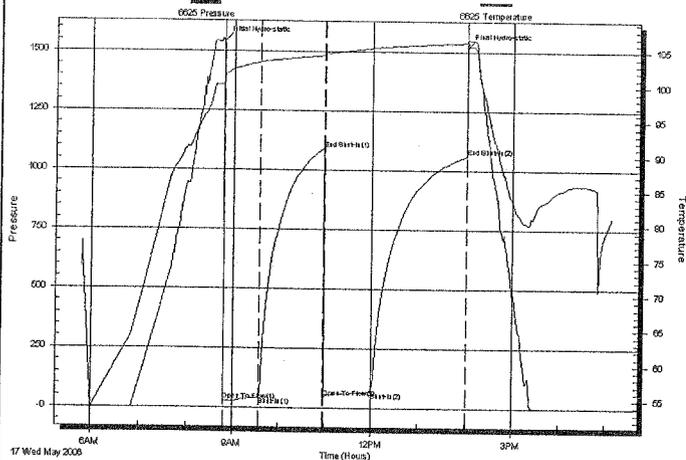
Last Calib.: 2006.05.17

Time On Btm: 2006.05.17 @ 08:48:07

Time Off Btm: 2006.05.17 @ 14:01:37

TEST COMMENT: IF Strong blow BOB in 26 secs  
 IS! Fair blow back Dead in 5" G.T.S. after 1"  
 FF Strong blow BOB in 5 secs (see gas flow report) (gas sample taken)  
 FSI No blow

Pressure vs. Time



### PRESSURE SUMMARY

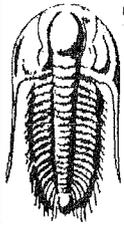
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1545.09	100.38	Initial Hydro-static
1	26.00	101.22	Open To Flow (1)
47	42.62	103.51	Shut-In(1)
130	1089.21	104.49	End Shut-In(1)
131	41.78	104.57	Open To Flow(2)
192	67.05	105.56	Shut-In(2)
314	1059.87	106.41	End Shut-In(2)
314	1520.34	106.65	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
120.00	DRLG Mud	0.59
0.00	3040' GIP	0.00

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	7.80	8.31
Last Gas Rate			
Max. Gas Rate	0.13	7.80	8.31



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

CMX Inc

**Francisco 1-28**

1551 Waterfront Parkway Ste 150  
Wichita KS 67206

**28 19S 6W Rice KS**

Job Ticket: 24063

**DST#: 2**

ATTN: Ken LeBlanc

Test Start: 2006.05.17 @ 05:48:22

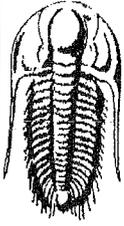
### Tool Information

Drill Pipe:	Length: 2880.00 ft	Diameter: 3.00 inches	Volume: 25.18 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 280.00 ft	Diameter: 2.25 inches	Volume: 1.38 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 26.56 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	3160.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	73.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3142.00	
Hydraulic tool	5.00			3147.00	
Safety Joint	3.00			3150.00	
Packer	5.00			3155.00	23.00 Bottom Of Top Packer
Packer	5.00			3160.00	
Stubb	1.00			3161.00	
Change Over Sub	1.00			3162.00	
Recorder	0.00	6625	Inside	3162.00	
Blank Spacing	31.00			3193.00	
Change Over Sub	1.00			3194.00	
Perforations	13.00			3207.00	
Recorder	0.00	11019	Outside	3207.00	
Bullnose	3.00			3210.00	50.00 Bottom Packers & Anchor

**Total Tool Length: 73.00**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

CMX Inc  
1551 Waterfront Parkway Ste 150  
Wichita KS 67206  
ATTN: Ken LeBlanc

Francisco 1-28  
28 19S 6W Rice KS  
Job Ticket: 24063      DST#: 2  
Test Start: 2006.05.17 @ 05:48:22

**Mud and Cushion Information**

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 51.00 sec/qt  
Water Loss: 8.77 in<sup>3</sup>  
Resistivity: 0.00 ohm.m  
Salinity: 4800.00 ppm  
Filter Cake: 0.02 inches

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

Oil API: deg API  
Water Salinity: ppm

**Recovery Information**

Recovery Table

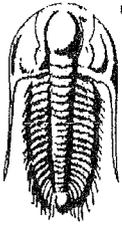
Length ft	Description	Volume bbl
120.00	DRLG Mud	0.590
0.00	3040' GIP	0.000

Total Length: 120.00 ft      Total Volume: 0.590 bbl

Num Fluid Samples: 1      Num Gas Bombs: 1      Serial #: L.A.-1

Laboratory Name:      Laboratory Location:

Recovery Comments: Ken LeBlanc took gas sample.



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

CMX Inc

**Francisco 1-28**

1551 Waterfront Parkway Ste 150  
Wichita KS 67206

**28 19S 6W Rice KS**

Job Ticket: 24063

**DST#: 2**

ATTN: Ken LeBlanc

Test Start: 2006.05.17 @ 05:48:22

### Gas Rates Information

Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
2	5	0.13	7.80	8.31
2	10	0.13	7.80	8.31
2	20	0.13	7.50	8.20
2	30	0.13	7.00	8.01
2	40	0.13	6.30	7.75
2	50	0.13	5.70	7.52
2	60	0.13	5.20	7.34
0	-	-999999.00	-999999.00	-999999.00

Serial #: 6625

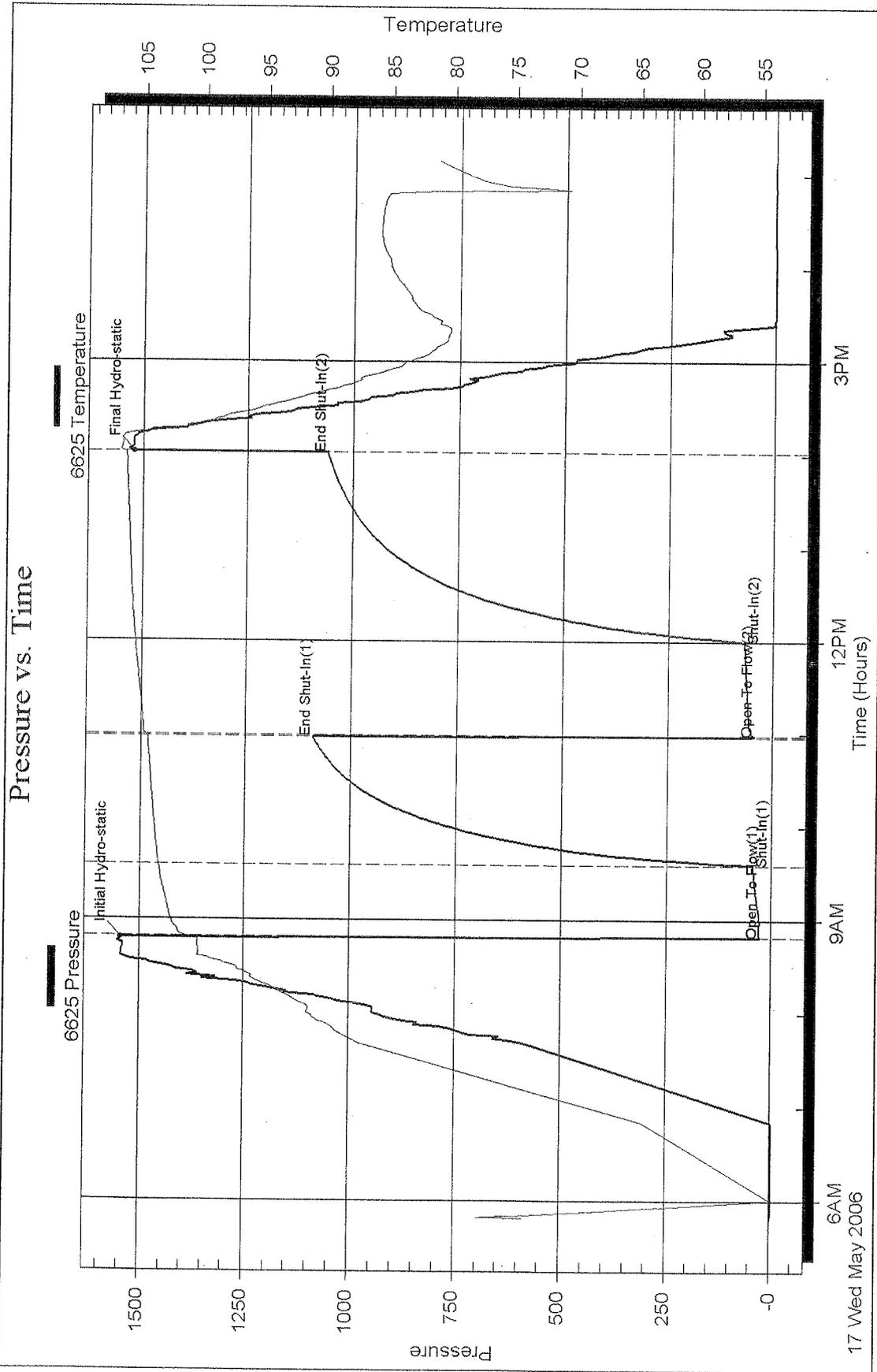
Inside

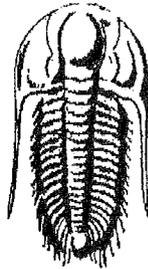
CMX Inc

28 19S 6W Rice KS

DST Test Number: 2

### Pressure vs. Time





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **CMX Inc**

1551 Waterfront Parkway Ste 150  
Wichita KS 67206

ATTN: Ken LeBlanc

**28 19S 6W Rice KS**

**Francisco 1-28**

Start Date: 2006.05.18 @ 01:56:20

End Date: 2006.05.18 @ 10:43:20

Job Ticket #: 24064                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

CMX Inc

Francisco 1-28

28 19S 6W Rice KS

DST # 3

Mississippi-Chert

2006.05.18



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

CMX Inc  
 1551 Waterfront Parkway Ste 150  
 Wichita KS 67206  
 ATTN: Ken LeBlanc

**Francisco 1-28**  
**28 19S 6W Rice KS**  
 Job Ticket: 24064      **DST#: 3**  
 Test Start: 2006.05.18 @ 01:56:20

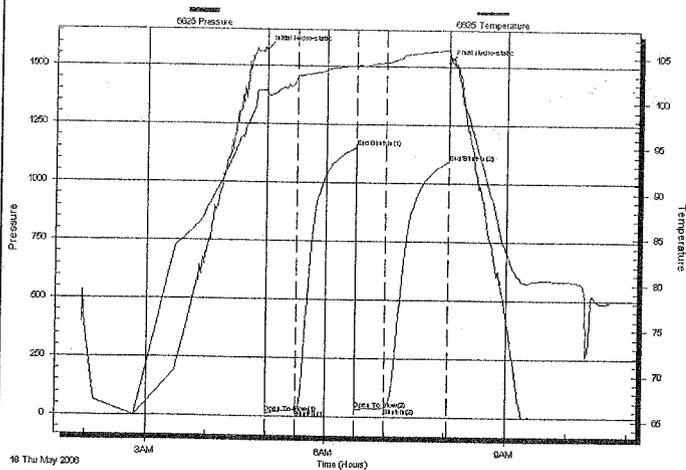
## GENERAL INFORMATION:

Formation: **Mississippi-Chert**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 04:59:35  
 Time Test Ended: 10:43:20  
 Test Type: Conventional Bottom Hole  
 Tester: Les Adams  
 Unit No: #19  
 Interval: **3210.00 ft (KB) To 3240.00 ft (KB) (TVD)**  
 Total Depth: 3240.00 ft (KB) (TVD)  
 Reference Elevations: 1584.00 ft (KB)  
 Hole Diameter: 7.88 inches      Hole Condition: Poor  
 1574.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 6625**      **Inside**  
 Press@RunDepth: 39.39 psig @ 3211.00 ft (KB)      Capacity: 7000.00 psig  
 Start Date: 2006.05.18      End Date: 2006.05.18      Last Calib.: 2006.05.18  
 Start Time: 01:56:21      End Time: 10:43:20      Time On Btm: 2006.05.18 @ 04:59:20  
 Time Off Btm: 2006.05.18 @ 08:02:50

**TEST COMMENT:** IF Very weak blow Made it to 1 in in bucket  
 ISI No blow  
 FF Weak surf blow  
 FSI No blow

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1572.48	101.29	Initial Hydro-static
1	12.33	101.02	Open To Flow (1)
31	27.49	102.70	Shut-In(1)
91	1150.62	104.08	End Shut-In(1)
91	31.98	103.89	Open To Flow (2)
121	39.39	104.43	Shut-In(2)
184	1093.22	105.83	End Shut-In(2)
184	1517.91	106.03	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	DM	0.30
0.00		0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Inc

Francisco 1-28

1551 Waterfront Parkway Ste 150  
Wichita KS 67206

28 19S 6W Rice KS

Job Ticket: 24064

DST#: 3

ATTN: Ken LeBlanc

Test Start: 2006.05.18 @ 01:56:20

### Tool Information

Drill Pipe:	Length: 2911.00 ft	Diameter: 3.00 inches	Volume: 25.45 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 311.00 ft	Diameter: 2.25 inches	Volume: 1.53 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 26.98 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	35.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3210.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	53.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3192.00	
Hydraulic tool	5.00			3197.00	
Safety Joint	3.00			3200.00	
Packer	5.00			3205.00	23.00 Bottom Of Top Packer
Packer	5.00			3210.00	
Stubb	1.00			3211.00	
Recorder	0.00	6625	Inside	3211.00	
Perforations	26.00			3237.00	
Recorder	0.00	11019	Outside	3237.00	
Bullnose	3.00			3240.00	30.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>53.00</b>				



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

CMX Inc  
1551 Waterfront Parkway Ste 150  
Wichita KS 67206

**Francisco 1-28**

**28 19S 6W Rice KS**

Job Ticket: 24064

**DST#: 3**

ATTN: Ken LeBlanc

Test Start: 2006.05.18 @ 01:56:20

**Mud and Cushion Information**

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 39.00 sec/qt  
Water Loss: 11.18 in<sup>3</sup>  
Resistivity: 0.00 ohm.m  
Salinity: 4200.00 ppm  
Filter Cake: 0.02 inches

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

Oil API: deg API  
Water Salinity: ppm

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
60.00	DM	0.295
0.00		0.000

Total Length: 60.00 ft      Total Volume: 0.295 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

### Pressure vs. Time

