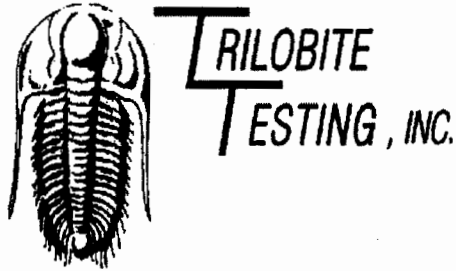


**KCC**  
MAY 31 2006  
**CONFIDENTIAL**



**DRILL STEM TEST REPORT**

Prepared For: **CMX Inc.**

1551 N Waterfront Pkwy  
Ste # 150  
Wichita KS 67206

ATTN: Ken LeBlanc

15-007-22970

**9-31s-11w Barber Co**

**Stephenson # 1-9**

Start Date: 2006.02.19 @ 18:31:10

End Date: 2006.02.20 @ 01:09:10

Job Ticket #: 23471      DST #: 1

**RECEIVED**  
JUN 01 2006  
**KCC WICHITA**

CMX Inc.

Stephenson # 1-9

9-31s-11w Barber Co

DST # 1

Douglas Sand

2006.02.19

SE SW NE

15-007-22970

09-31s-11w

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

CMX Inc.  
1551 N Waterfront Pkwy  
Ste # 150  
Wichita KS 67206  
ATTN: Ken LeBlanc

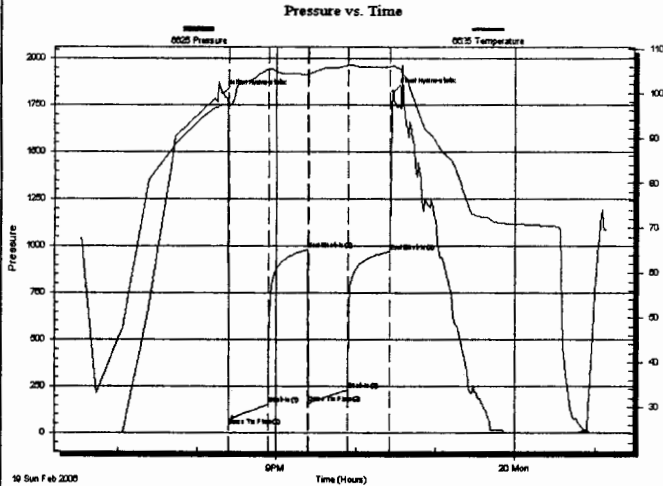
**Stephenson # 1-9**  
**9-31s-11w Barber Co**  
Job Ticket: 23471      **DST#: 1**  
Test Start: 2006.02.19 @ 18:31:10

## GENERAL INFORMATION:

Formation: **Douglas Sand**  
Deviated: **No** Whipstock: **ft (KB)**  
Time Tool Opened: 20:24:10  
Time Test Ended: 01:09:10  
Test Type: **Conventional Bottom Hole**  
Tester: **Gerald Adams**  
Unit No: **19**  
Interval: **3750.00 ft (KB) To 3836.00 ft (KB) (TVD)**  
Reference Elevations: **1830.00 ft (KB)**  
Total Depth: **3836.00 ft (KB) (TVD)**  
**1819.00 ft (CF)**  
Hole Diameter: **7.88 inches** Hole Condition: **Poor**  
KB to GR/CF: **11.00 ft**

**Serial #: 6625**      **Inside**  
Press@RunDepth: **227.93 psig @ 3754.00 ft (KB)**      Capacity: **7000.00 psig**  
Start Date: **2006.02.19**      End Date: **2006.02.20**      Last Calib.: **2006.02.20**  
Start Time: **18:31:11**      End Time: **01:09:10**      Time On Btm: **2006.02.19 @ 20:19:40**  
Time Off Btm: **2006.02.19 @ 22:28:10**

**TEST COMMENT:** IF:Weak to fair blow . Built to 10".  
IS:No blow .  
FF:Fair to strong blow . B.O.B. in 15 mins.  
FSI:No blow .



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1814.91	97.31	Initial Hydro-static
5	37.61	97.14	Open To Flow (1)
35	152.55	105.37	Shut-In(1)
64	979.67	104.26	End Shut-In(1)
65	156.23	104.33	Open To Flow (2)
94	227.93	106.23	Shut-In(2)
126	970.92	105.86	End Shut-In(2)
129	1824.90	106.17	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
214.00	SGCWM 5%g 5%w 90%m	1.88
236.00	Drilling Mud	3.31
0.00	60' GIP	0.00
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.  
1551 N Waterfront Pkwy  
Ste # 150  
Wichita KS 67206  
ATTN: Ken LeBlanc

**Stephenson # 1-9**  
**9-31s-11w Barber Co**  
Job Ticket: 23471      **DST#: 1**  
Test Start: 2006.02.19 @ 18:31:10

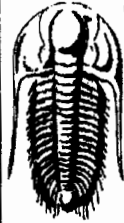
**Tool Information**

Drill Pipe:	Length: 3632.00 ft	Diameter: 3.80 inches	Volume: 50.95 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 51.55 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3750.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	86.00 ft			
Tool Length:	109.00 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			3732.00	
Hydraulic tool	5.00			3737.00	
Safety Joint	3.00			3740.00	
Packer	5.00			3745.00	23.00      Bottom Of Top Packer
Packer	5.00			3750.00	
Stubb	1.00			3751.00	
Perforations	2.00			3753.00	
Change Over Sub	1.00			3754.00	
Recorder	0.00	6625	Inside	3754.00	
Blank Spacing	64.00			3818.00	
Change Over Sub	1.00			3819.00	
Perforations	14.00			3833.00	
Recorder	0.00	11019	Outside	3833.00	
Bullnose	3.00			3836.00	86.00      Bottom Packers & Anchor

**Total Tool Length: 109.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

CMX Inc.

**Stephenson # 1-9**

1551 N Waterfront Fkwy  
Ste # 150  
Wchita KS 67206  
ATTN: Ken LeBlanc

**9-31s-11w Barber Co**

Job Ticket: 23471

**DST#: 1**

Test Start: 2006.02.19 @ 18:31:10

**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:

4100 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.37 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4100.00 ppm

Filter Cake: 0.02 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
214.00	SGCVM 5%g 5%w 90%m	1.881
236.00	Drilling Mud	3.310
0.00	60' GP	0.000
0.00		0.000

Total Length: 450.00 ft Total Volume: 5.191 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

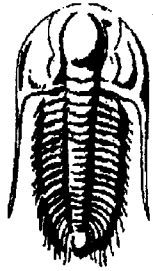
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **CMX Inc.**

1551 N Waterfront Pkwy  
Ste # 150  
Wichita KS 67206

ATTN: Ken LeBlanc

**9-31s-11w Barber Co**

**Stephenson # 1-9**

Start Date: 2006.02.22 @ 13:16:29

End Date: 2006.02.22 @ 21:21:29

Job Ticket #: 23472                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

CMX Inc.

Stephenson # 1-9

9-31s-11w Barber Co

DST # 2

Viola

2006.02.22



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

CMX Inc.

1551 N Waterfront Pkwy  
Ste # 150  
Wichita KS 67206  
ATTN: Ken LeBlanc

**Stephenson # 1-9**

**9-31s-11w Barber Co**

Job Ticket: 23472

**DST#: 2**

Test Start: 2006.02.22 @ 13:16:29

### GENERAL INFORMATION:

Formation: **Viola**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 15:38:59

Time Test Ended: 21:21:29

Test Type: **Conventional Bottom Hole**

Tester: **Gerald Adams**

Unit No: **19**

Interval: **4796.00 ft (KB) To 4820.00 ft (KB) (TVD)**

Total Depth: **4820.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1830.00 ft (KB)**

**1819.00 ft (CF)**

KB to GR/CF: **11.00 ft**

**Serial #: 6625**

**Inside**

Press@RunDepth: **65.12 psig @ 4797.00 ft (KB)**

Start Date: **2006.02.22**

End Date:

**2006.02.22**

Start Time: **13:16:30**

End Time:

**21:21:29**

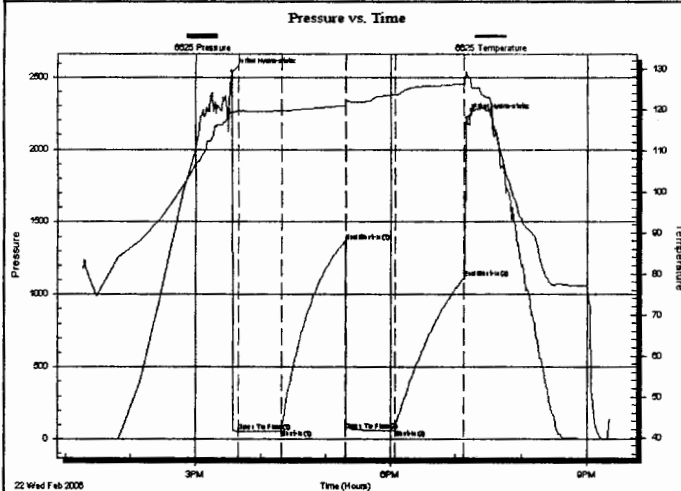
Capacity: **7000.00 psig**

Last Calib.: **2006.02.22**

Time On Btm: **2006.02.22 @ 15:32:59**

Time Off Btm: **2006.02.22 @ 19:09:29**

**TEST COMMENT:** F:Strong blow . B.O.B. in 8 mins.  
IS:No blow .  
FF:Strong blow . B.O.B. in 2 secs.  
FS:No blow .



### PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2539.10	119.37	Initial Hydro-static
6	55.16	119.63	Open To Flow (1)
46	68.31	119.76	Shut-In(1)
105	1366.33	120.98	End Shut-In(1)
106	60.97	121.69	Open To Flow (2)
151	65.12	123.61	Shut-In(2)
215	1112.99	126.24	End Shut-In(2)
217	2218.64	128.99	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
100.00	Drilling Mud	1.40
0.00	930' GIP	0.00
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.  
1551 N Waterfront Pkwy  
Ste # 150  
Wichita KS 67206  
ATTN: Ken LeBlanc

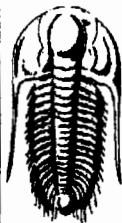
**Stephenson # 1-9**  
**9-31s-11w Barber Co**  
Job Ticket: 23472      **DST#: 2**  
Test Start: 2006.02.22 @ 13:16:29

**Tool Information**

Drill Pipe:	Length: 4801.00 ft	Diameter: 3.80 inches	Volume: 67.35 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
				String Weight: Initial	54000.00 lb
				Final	56000.00 lb
Drill Pipe Above KB:	28.00 ft				
Depth to Top Packer:	4796.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	24.00 ft				
Tool Length:	47.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					
Slid tool 15' to bottom.					

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

Shut In Tool	5.00			4778.00	
Hydraulic tool	5.00			4783.00	
Safety Joint	3.00			4786.00	
Packer	5.00			4791.00	23.00      Bottom Of Top Packer
Packer	5.00			4796.00	
Stubb	1.00			4797.00	
Recorder	0.00	6625	Inside	4797.00	
Perforations	20.00			4817.00	
Recorder	0.00	11019	Outside	4817.00	
Bullnose	3.00			4820.00	24.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>47.00</b>				



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

CMX Inc.

**Stephenson # 1-9**

1551 N Waterfront Pkwy

**9-31s-11w Barber Co**

Ste # 150

Job Ticket: 23472

**DST#: 2**

Wchita KS 67206

ATTN: Ken LeBlanc

Test Start: 2006.02.22 @ 13:16:29

### 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: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4100.00 ppm

Filter Cake: 0.02 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	Drilling Mud	1.403
0.00	930' GIP	0.000
0.00		0.000

Total Length: 100.00 ft

Total Volume: 1.403 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6625

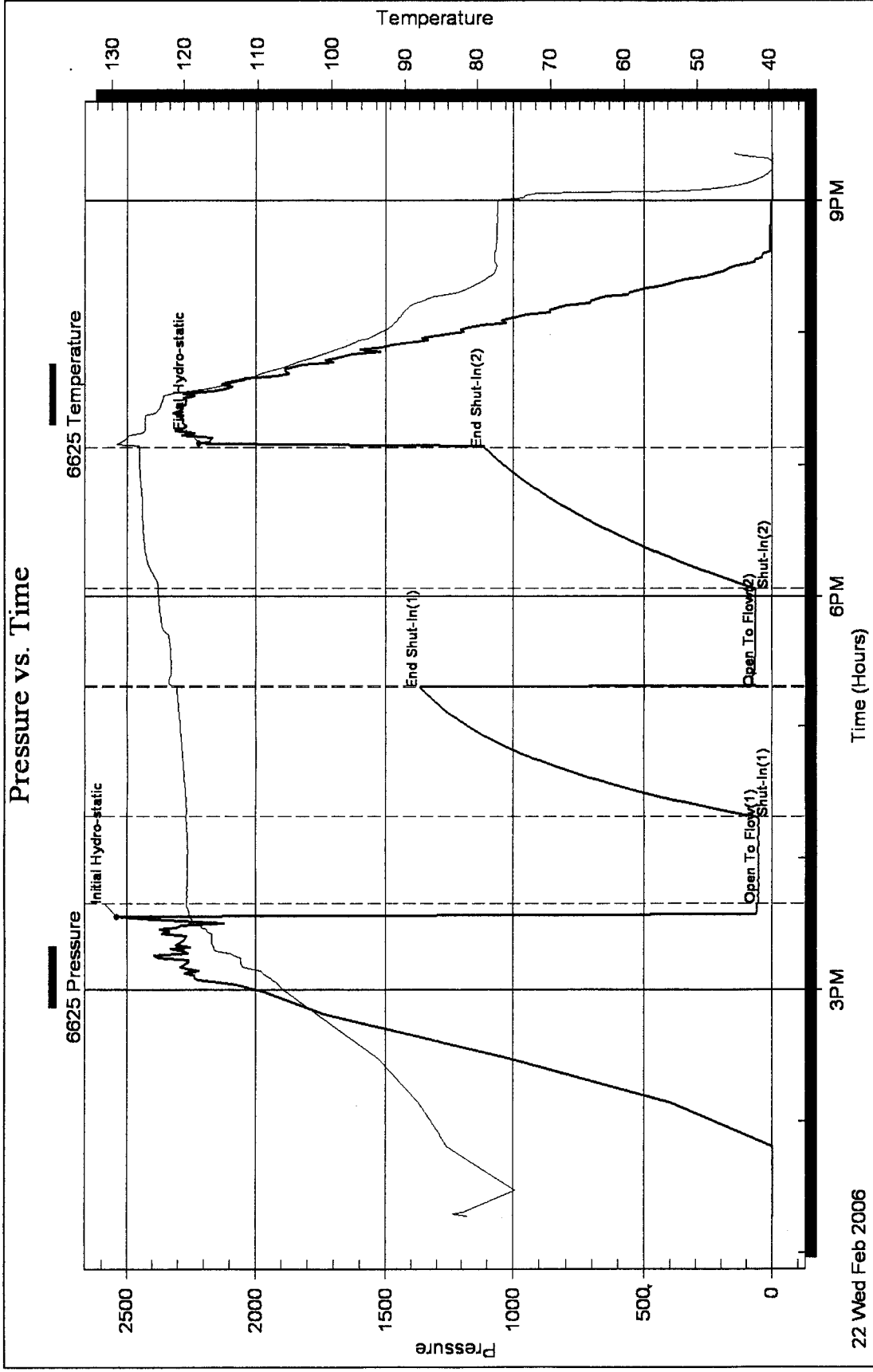
Inside

CMX Inc.

9-31s-11w Barber Co

D&T Test Number: 2

# Pressure vs. Time

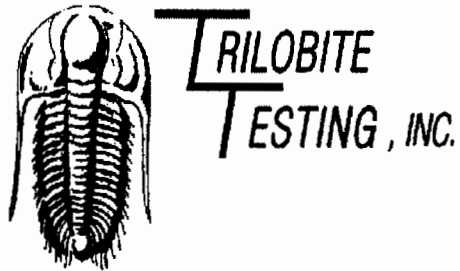


22 Wed Feb 2006

Triobite Testing, Inc

Ref. No: 23472

Printed: 2006.03.01 @ 10:51:52 Page 5



## DRILL STEM TEST REPORT

Prepared For: **CMX Inc.**

1551 N Waterfront Pkwy  
Ste # 150  
Wichita KS 67206

ATTN: Ken LeBlanc

**9-31s-11w Barber Co**

**Stephenson # 1-9**

Start Date: 2006.02.23 @ 12:26:52

End Date: 2006.02.23 @ 20:41:22

Job Ticket #: 23473                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

CMX Inc.

Stephenson # 1-9

9-31s-11w Barber Co

DST # 3

Simpson Sand

2006.02.23





**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

CMX Inc.  
1551 N Waterfront Pkwy  
Ste # 150  
Wichita KS 67206  
ATTN: Ken LeBlanc

**Stephenson # 1-9**  
**9-31s-11w Barber Co**  
Job Ticket: 23473      **DST#: 3**  
Test Start: 2006.02.23 @ 12:26:52

**Tool Information**

Drill Pipe:	Length: 4864.00 ft	Diameter: 3.80 inches	Volume: 68.23 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 68.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4866.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	47.00 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			4848.00	
Hydraulic tool	5.00			4853.00	
Safety Joint	3.00			4856.00	
Packer	5.00			4861.00	23.00      Bottom Of Top Packer
Packer	5.00			4866.00	
Stubb	1.00			4867.00	
Recorder	0.00	6625	inside	4867.00	
Perforations	20.00			4887.00	
Recorder	0.00	11019	Outside	4887.00	
Bullnose	3.00			4890.00	24.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>47.00</b>				



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc.  
1551 N Waterfront Pkwy  
Ste # 150  
Wichita KS 67206  
ATTN: Ken LeBlanc

Stephenson # 1-9  
9-31s-11w Barber Co  
Job Ticket: 23473      DST#: 3  
Test Start: 2006.02.23 @ 12:26:52

### 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:	5400 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.99 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5400.00 ppm			
Filter Cake: 0.02 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
306.00	HG&OCMV 40%g 30%o 10%w 20%m	4.292
124.00	G&MCO 15%g 75%o 10%m	1.739
0.00	4434' GIP	0.000
0.00		0.000

Total Length: 430.00 ft      Total Volume: 6.031 bbl  
 Num Fluid Samples: 0      Num Gas Borbs: 1      Serial #: ga-1  
 Laboratory Name: Caraway      Laboratory Location: Liberal, KS  
 Recovery Comments:



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

CMX Inc.

**Stephenson # 1-9**

1551 N Waterfront Pkwy  
Ste # 150  
Wichita KS 67206  
ATTN: Ken LeBlanc

**9-31s-11w Barber Co**

Job Ticket: 23473

**DST#: 3**

Test Start: 2006.02.23 @ 12:26:52

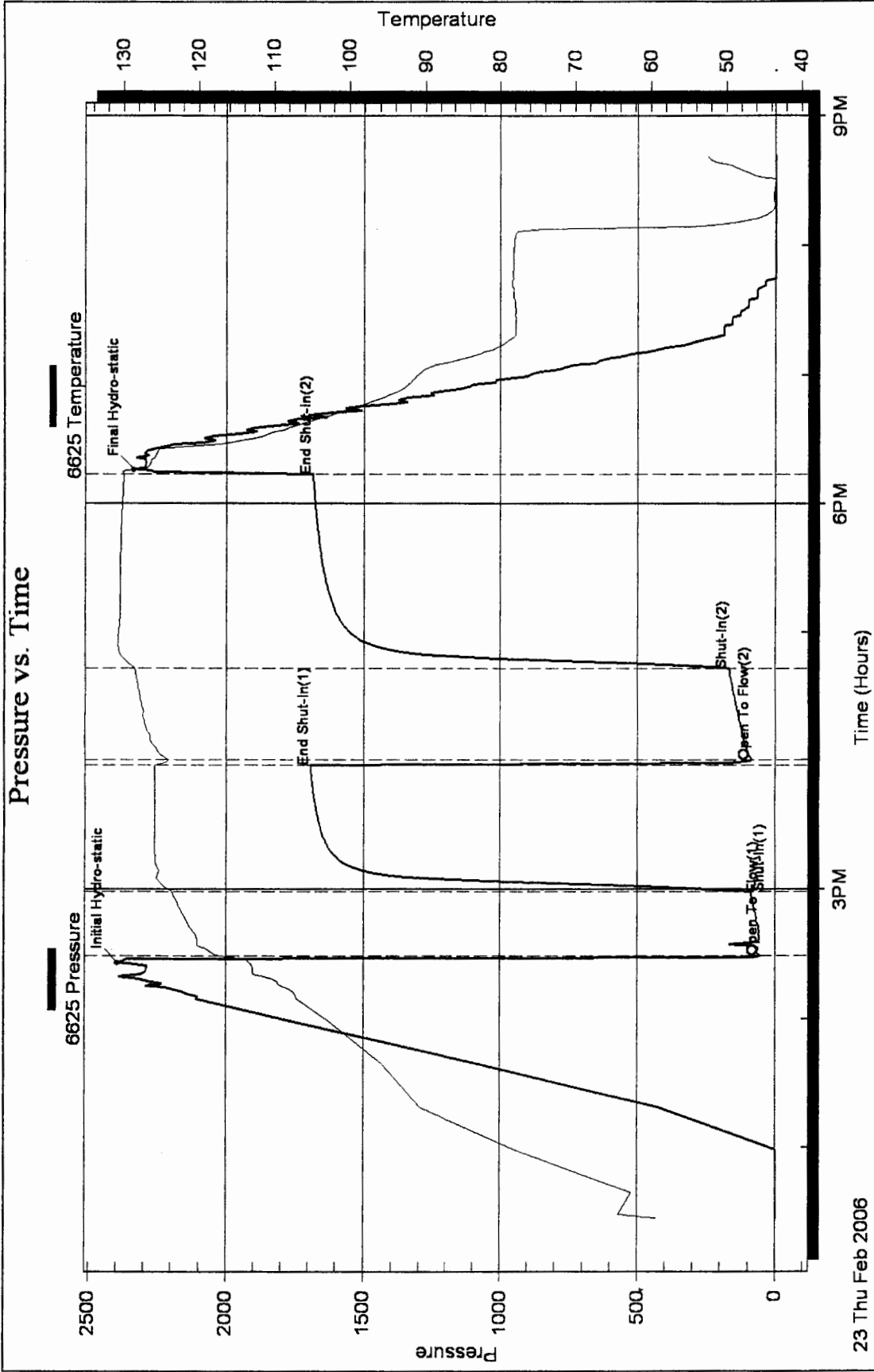
### Gas Rates Information

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)
1	20	0.25	2.00	26.02
1	25	0.25	3.00	27.60
1	30	0.25	4.00	29.19
2	5	0.25	4.00	29.19
2	10	0.25	5.00	30.78
2	15	0.25	5.50	31.57
2	20	0.25	5.50	31.57
2	25	0.25	5.75	31.97
2	30	0.25	5.75	31.97
2	35	0.25	5.50	31.57
2	40	0.25	5.25	31.17
2	45	0.25	5.00	30.78
0	-	-999999.00	-999999.00	-999999.00

### Pressure vs. Time



23 Thu Feb 2006