

## DRILL STEM TEST REPORT

Prepared For: **CMX Inc.**

150 N.Main Ste.1026  
Wichita Ks. 67202

ATTN: Ken LeBlanc

**15-29s-17w Kiowa Ks**

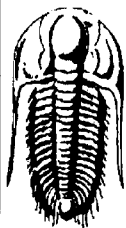
**Conklin #1-15**

Start Date: 2004.06.26 @ 16:20:32

End Date: 2004.06.26 @ 22:31:02

Job Ticket #: 19158      DST #: 1

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.

150 N. Main Ste. 1026  
Wichita Ks. 67202

ATTN: Ken LeBlanc

**Conklin #1-15**

**15-29s-17w Kiowa Ks**

Job Ticket: 19158

**DST#: 1**

Test Start: 2004.06.26 @ 16:20:32

### GENERAL INFORMATION:

Formation: **Chase**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:44:32

Time Test Ended: 22:31:02

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **2830.00 ft (KB) To 2839.00 ft (KB) (TVD)**

Total Depth: 2839.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2031.00 ft (KB)

2020.00 ft (CF)

KB to GR/CF: 11.00 ft

**Serial #: 6755**

**Inside**

Press@RunDepth: 27.34 psig @ 2831.00 ft (KB)

Start Date: 2004.06.26

End Date:

2004.06.26

Start Time: 16:20:37

End Time:

22:31:01

Capacity: 7000.00 psig

Last Calib.: 2004.06.26

Time On Btm: 2004.06.26 @ 17:42:32

Time Off Btm: 2004.06.26 @ 21:05:32

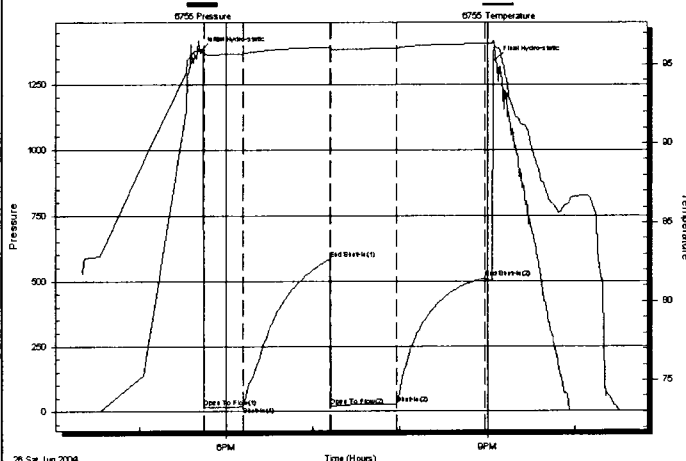
TEST COMMENT: IF: Strong blow . B.O.B. in 2 mins.

IS: Weak blow . 1/4 - 1/2".

FF: Strong blow . B.O.B. in 6 secs.

FS: Weak blow . 1/2 - 2".

Pressure vs. Time



### PRESSURE SUMMARY

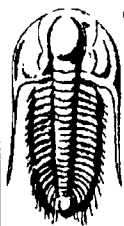
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1381.01         | 95.98        | Initial Hydro-static |
| 2           | 15.16           | 95.68        | Open To Flow (1)     |
| 30          | 18.49           | 95.70        | Shut-In(1)           |
| 90          | 584.34          | 96.12        | End Shut-In(1)       |
| 90          | 19.03           | 95.95        | Open To Flow (2)     |
| 136         | 27.34           | 96.04        | Shut-In(2)           |
| 196         | 508.52          | 96.34        | End Shut-In(2)       |
| 203         | 1344.54         | 96.08        | Final Hydro-static   |

### Recovery

| Length (ft) | Description         | Volume (bbl) |
|-------------|---------------------|--------------|
| 35.00       | Drig.mud            | 0.49         |
| 0.00        | 1750 of gas in pipe | 0.00         |
|             |                     |              |
|             |                     |              |
|             |                     |              |
|             |                     |              |

### Gas Rates

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



**TRILOBITE**  
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## DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Inc.

150 N.Main Ste.1026  
Wichita Ks. 67202

ATTN: Ken LeBlanc

Conklin #1-15

15-29s-17w Kiowa Ks

Job Ticket: 19158

DST#: 1

Test Start: 2004.06.26 @ 16:20:32

### Tool Information

|                           |            |            |             |             |               |           |                        |             |
|---------------------------|------------|------------|-------------|-------------|---------------|-----------|------------------------|-------------|
| Drill Pipe:               | Length:    | 2813.00 ft | Diameter:   | 3.80 inches | Volume:       | 39.46 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:  | 64000.00 lb |
|                           |            |            |             |             | Total Volume: | 39.46 bbl | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      | 5.00 ft    |            |             |             |               |           | String Weight: Initial | 49000.00 lb |
| Depth to Top Packer:      | 2830.00 ft |            |             |             |               |           | Final                  | 49500.00 lb |
| Depth to Bottom Packer:   | ft         |            |             |             |               |           |                        |             |
| Interval between Packers: | 9.00 ft    |            |             |             |               |           |                        |             |
| Tool Length:              | 31.00 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 |       |         | 2809.00 |                              |
| Shut In Tool    | 5.00 |       |         | 2814.00 |                              |
| Hydraulic tool  | 5.00 |       |         | 2819.00 |                              |
| Safety Joint    | 2.00 |       |         | 2821.00 |                              |
| Packer          | 4.00 |       |         | 2825.00 | 22.00 Bottom Of Top Packer   |
| Packer          | 5.00 |       |         | 2830.00 |                              |
| Stubb           | 1.00 |       |         | 2831.00 |                              |
| Recorder        | 0.00 | 6755  | Inside  | 2831.00 |                              |
| Perforations    | 3.00 |       |         | 2834.00 |                              |
| Recorder        | 0.00 | 13222 | Outside | 2834.00 |                              |
| Bullnose        | 5.00 |       |         | 2839.00 | 9.00 Bottom Packers & Anchor |

**Total Tool Length: 31.00**



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

## DRILL STEM TEST REPORT

### FLUID SUMMARY

CMX Inc.

150 N.Main Ste.1026  
Wichita Ks. 67202

ATTN: Ken LeBlanc

**Conklin #1-15**

**15-29s-17w Kiowa Ks**

Job Ticket: 19158

**DST#: 1**

Test Start: 2004.06.26 @ 16:20:32

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 40.00 sec/qt

Water Loss: 30.13 in<sup>3</sup>

Resistivity: 0.00 ohm.m

Salinity: 11000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity: 11000 ppm

ft

bbl

psig

### Recovery Information

Recovery Table

| Length<br>ft | Description         | Volume<br>bbl |
|--------------|---------------------|---------------|
| 35.00        | Drig.mud            | 0.491         |
| 0.00         | 1750 of gas in pipe | 0.000         |

Total Length: 35.00 ft

Total Volume: 0.491 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

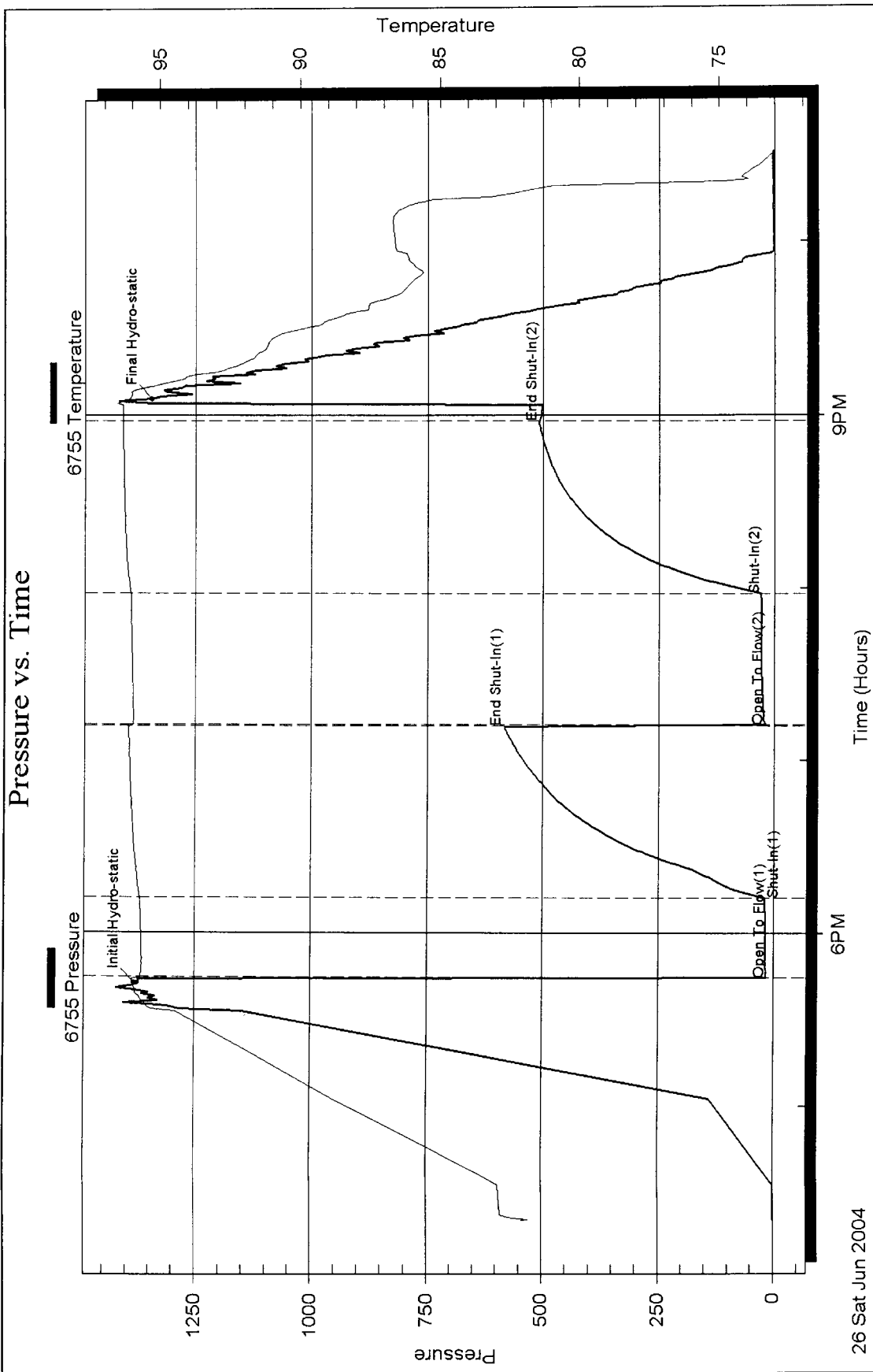
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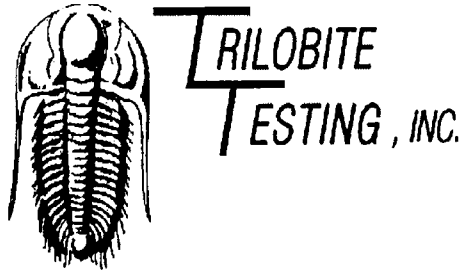
Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **CMX Inc.**

150 N.Main Ste.1026  
Wichita Ks. 67202

ATTN: Ken LeBlanc

**15-29s-17w Kiowa Ks**

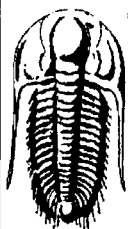
**Conklin #1-15**

Start Date: 2004.06.27 @ 04:48:53

End Date: 2004.06.27 @ 10:32:38

Job Ticket #: 19159                      DST #: 2

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



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## DRILL STEM TEST REPORT

CMX Inc.

150 N.Main Ste.1026  
Wichita Ks. 67202

ATTN: Ken LeBlanc

**Conklin #1-15**

**15-29s-17w Kiowa Ks**

Job Ticket: 19159

**DST#: 2**

Test Start: 2004.06.27 @ 04:48:53

### GENERAL INFORMATION:

Formation: **Cottonwood**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:06:08

Time Test Ended: 10:32:38

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

**Interval: 2849.00 ft (KB) To 2856.00 ft (KB) (TVD)**

Total Depth: 2856.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2031.00 ft (KB)

2020.00 ft (CF)

KB to GR/CF: 11.00 ft

**Serial #: 6755**

**Inside**

Press@RunDepth: 208.46 psig @ 2850.00 ft (KB)

Start Date: 2004.06.27

End Date:

2004.06.27

Start Time: 04:48:58

End Time:

10:32:37

Capacity: 7000.00 psig

Last Calib.: 2004.06.27

Time On Btm: 2004.06.27 @ 06:04:38

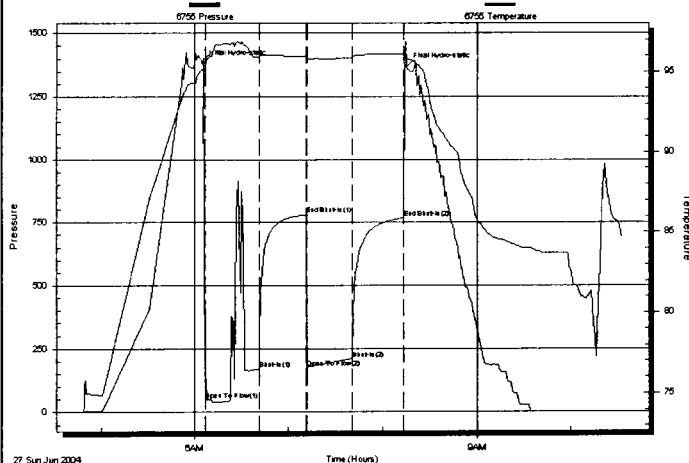
Time Off Btm: 2004.06.27 @ 08:15:08

**TEST COMMENT:** IF:Fair to strong blow . B.O.B. in 23 mins. **COMMENT:**14 ft. of fill on btm.Slid tool 7 - 8 ft. Tool sliding during IFP.Lost pkr. seat at one point while calling in report.

IS:No blow .

FF:Fair t

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1379.61         | 95.12        | Initial Hydro-static |
| 2           | 47.59           | 95.19        | Open To Flow (1)     |
| 37          | 170.40          | 95.91        | Shut-In(1)           |
| 67          | 780.11          | 95.96        | End Shut-In(1)       |
| 68          | 174.28          | 95.78        | Open To Flow (2)     |
| 96          | 208.46          | 95.87        | Shut-In(2)           |
| 129         | 767.20          | 96.06        | End Shut-In(2)       |
| 131         | 1369.07         | 95.89        | Final Hydro-static   |

Recovery

| Length (ft) | Description                        | Volume (bbl) |
|-------------|------------------------------------|--------------|
| 135.00      | MW 3% m 97% w Rw .05 ohms @ 81 deg | 1.89         |
| 270.00      | Drig.mud                           | 3.79         |
| 0.00        | 370 ft. of gas in pipe             | 0.00         |
|             |                                    |              |
|             |                                    |              |
|             |                                    |              |

Gas Rates

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



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## DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Inc.

150 N.Main Ste.1026  
Wichita Ks. 67202

ATTN: Ken LeBlanc

Conklin #1-15

15-29s-17w Kiowa Ks

Job Ticket: 19159

DST#:2

Test Start: 2004.06.27 @ 04:48:53

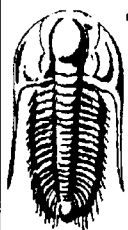
### Tool Information

|                           |                    |                       |                         |                                    |
|---------------------------|--------------------|-----------------------|-------------------------|------------------------------------|
| Drill Pipe:               | Length: 2842.00 ft | Diameter: 3.80 inches | Volume: 39.87 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: 674000.0 lb  |
|                           |                    |                       | Total Volume: 39.87 bbl | Tool Chased 8.00 ft                |
| Drill Pipe Above KB:      | 15.00 ft           |                       |                         | String Weight: Initial 50000.00 lb |
| Depth to Top Packer:      | 2849.00 ft         |                       |                         | Final 53000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                         |                                    |
| Interval between Packers: | 7.00 ft            |                       |                         |                                    |
| Tool Length:              | 29.00 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        |            |          | 2828.00    |                              |
| Shut In Tool     | 5.00        |            |          | 2833.00    |                              |
| Hydraulic tool   | 5.00        |            |          | 2838.00    |                              |
| Safety Joint     | 2.00        |            |          | 2840.00    |                              |
| Packer           | 4.00        |            |          | 2844.00    | 22.00 Bottom Of Top Packer   |
| Packer           | 5.00        |            |          | 2849.00    |                              |
| Stubb            | 1.00        |            |          | 2850.00    |                              |
| Recorder         | 0.00        | 6755       | Inside   | 2850.00    |                              |
| Perforations     | 1.00        |            |          | 2851.00    |                              |
| Recorder         | 0.00        | 13222      | Outside  | 2851.00    |                              |
| Bullnose         | 5.00        |            |          | 2856.00    | 7.00 Bottom Packers & Anchor |

**Total Tool Length: 29.00**



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

## DRILL STEM TEST REPORT

### FLUID SUMMARY

CMX Inc.

150 N.Main Ste.1026  
Wichita Ks. 67202

ATTN: Ken LeBlanc

Conklin #1-15

15-29s-17w Kiowa Ks

Job Ticket: 19159

DST#: 2

Test Start: 2004.06.27 @ 04:48:53

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 41.00 sec/qt

Water Loss: 16.77 in<sup>3</sup>

Resistivity: 0.00 ohm.m

Salinity: 11000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity: 149000 ppm

bbl

psig

### Recovery Information

Recovery Table

| Length<br>ft | Description                                               | Volume<br>bbl |
|--------------|-----------------------------------------------------------|---------------|
| 135.00       | MW 3% <sub>m</sub> 97% <sub>w</sub> Rw .05 ohms @ 81 deg. | 1.894         |
| 270.00       | Drig.mud                                                  | 3.787         |
| 0.00         | 370 ft. of gas in pipe                                    | 0.000         |

Total Length: 405.00 ft      Total Volume: 5.681 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

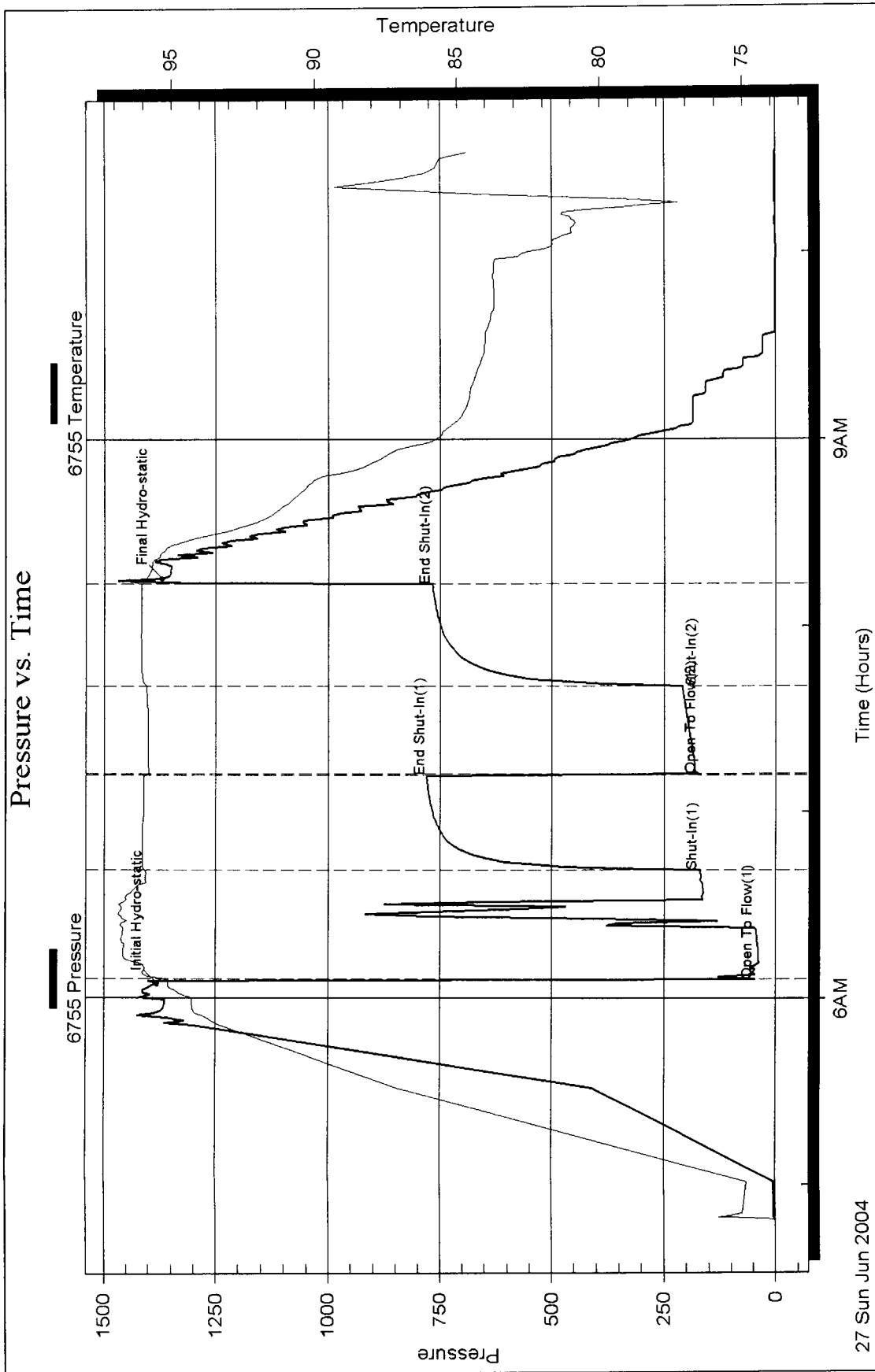
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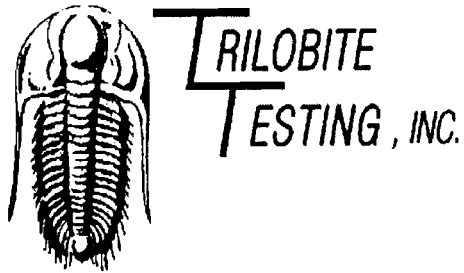
Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **CMX Inc.**

150 N. Main Ste. 1026  
Wichita Ks. 67202

ATTN: Ken LeBlanc

**15-29s-17w Kiowa Ks**

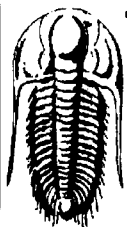
**Conklin #1-15**

Start Date: 2004.06.27 @ 18:29:00

End Date: 2004.06.28 @ 01:39:15

Job Ticket #: 19160                      DST #: 3

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
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**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

CMX Inc.

150 N.Main Ste.1026  
Wichita Ks. 67202

ATTN: Ken LeBlanc

**Conklin #1-15**

**15-29s-17w Kiowa Ks**

Job Ticket: 19160

**DST#: 3**

Test Start: 2004.06.27 @ 18:29:00

### GENERAL INFORMATION:

Formation: **Cottonwood**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:45:15

Time Test Ended: 01:39:15

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **2850.00 ft (KB) To 2880.00 ft (KB) (TVD)**

Total Depth: 2880.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2031.00 ft (KB)

2020.00 ft (CF)

KB to GR/CF: 11.00 ft

**Serial #: 6755**

**Inside**

Press@RunDepth: 411.69 psig @ 2851.00 ft (KB)

Start Date: 2004.06.27

End Date:

2004.06.28

Start Time: 18:29:05

End Time:

01:39:14

Capacity: 7000.00 psig

Last Calib.: 2004.06.28

Time On Btm: 2004.06.27 @ 20:41:00

Time Off Btm: 2004.06.27 @ 23:14:45

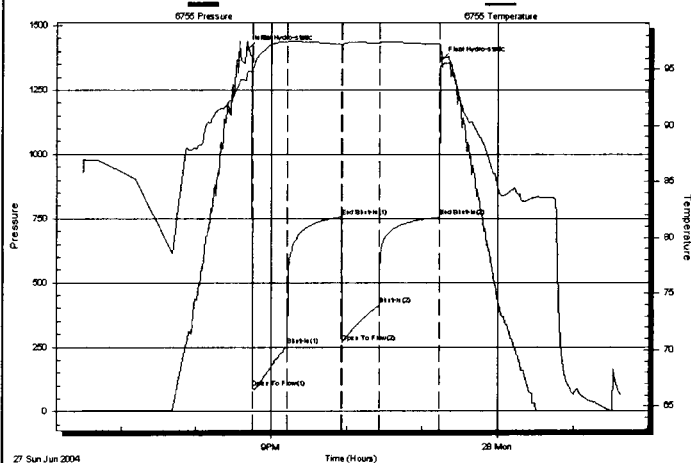
TEST COMMENT: IF: Strong blow . B.O.B. in 4 - 5 secs.

IS: Fair blow . Increase to 8".

FF: Strong blow . B.O.B. in 5 mins.

FS: No blow .

Pressure vs. Time



PRESSURE SUMMARY

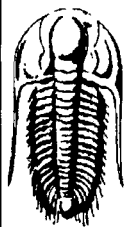
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1408.73         | 94.81        | Initial Hydro-static |
| 5           | 89.93           | 95.12        | Open To Flow (1)     |
| 32          | 255.76          | 97.41        | Shut-In (1)          |
| 75          | 756.20          | 97.20        | End Shut-In (1)      |
| 76          | 267.84          | 97.07        | Open To Flow (2)     |
| 105         | 411.69          | 97.34        | Shut-In (2)          |
| 153         | 755.15          | 97.23        | End Shut-In (2)      |
| 154         | 1365.99         | 96.08        | Final Hydro-static   |

Recovery

| Length (ft) | Description                       | Volume (bbl) |
|-------------|-----------------------------------|--------------|
| 760.00      | Salt water Rw .066 ohms @ 63 deg. | 10.66        |
|             |                                   |              |
|             |                                   |              |
|             |                                   |              |
|             |                                   |              |
|             |                                   |              |

Gas Rates

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



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

## DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Inc.

150 N.Main Ste.1026  
Wichita Ks. 67202

ATTN: Ken LeBlanc

Conklin #1-15

15-29s-17w Kiowa Ks

Job Ticket: 19160

DST#: 3

Test Start: 2004.06.27 @ 18:29:00

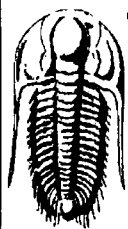
### Tool Information

|                           |                    |                       |                         |                                    |
|---------------------------|--------------------|-----------------------|-------------------------|------------------------------------|
| Drill Pipe:               | Length: 2842.00 ft | Diameter: 3.80 inches | Volume: 39.87 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: 66000.00 lb  |
|                           |                    |                       | Total Volume: 39.87 bbl | Tool Chased 2.00 ft                |
| Drill Pipe Above KB:      | 14.00 ft           |                       |                         | String Weight: Initial 50000.00 lb |
| Depth to Top Packer:      | 2850.00 ft         |                       |                         | Final 55000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                         |                                    |
| Interval between Packers: | 30.00 ft           |                       |                         |                                    |
| Tool Length:              | 52.00 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  |       |         | 2829.00 |                               |
| Shut In Tool    | 5.00  |       |         | 2834.00 |                               |
| Hydraulic tool  | 5.00  |       |         | 2839.00 |                               |
| Safety Joint    | 2.00  |       |         | 2841.00 |                               |
| Packer          | 4.00  |       |         | 2845.00 | 22.00 Bottom Of Top Packer    |
| Packer          | 5.00  |       |         | 2850.00 |                               |
| Stubb           | 1.00  |       |         | 2851.00 |                               |
| Recorder        | 0.00  | 6755  | Inside  | 2851.00 |                               |
| Perforations    | 24.00 |       |         | 2875.00 |                               |
| Recorder        | 0.00  | 13222 | Outside | 2875.00 |                               |
| Bullnose        | 5.00  |       |         | 2880.00 | 30.00 Bottom Packers & Anchor |

**Total Tool Length: 52.00**



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

## DRILL STEM TEST REPORT

### FLUID SUMMARY

CMX Inc.

150 N.Main Ste.1026  
Wichita Ks. 67202

ATTN: Ken LeBlanc

**Conklin #1-15**

**15-29s-17w Kiowa Ks**

Job Ticket: 19160

**DST#: 3**

Test Start: 2004.06.27 @ 18:29:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 65.00 sec/qt

Water Loss: 21.98 in<sup>3</sup>

Resistivity: 0.00 ohm.m

Salinity: 13000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity: 144000 ppm

ft

bbl

psig

### Recovery Information

Recovery Table

| Length<br>ft | Description                       | Volume<br>bbl |
|--------------|-----------------------------------|---------------|
| 760.00       | Salt water Rw .066 ohms @ 63 deg. | 10.661        |

Total Length: 760.00 ft

Total Volume: 10.661 bbl

Num Fluid Samples: 0

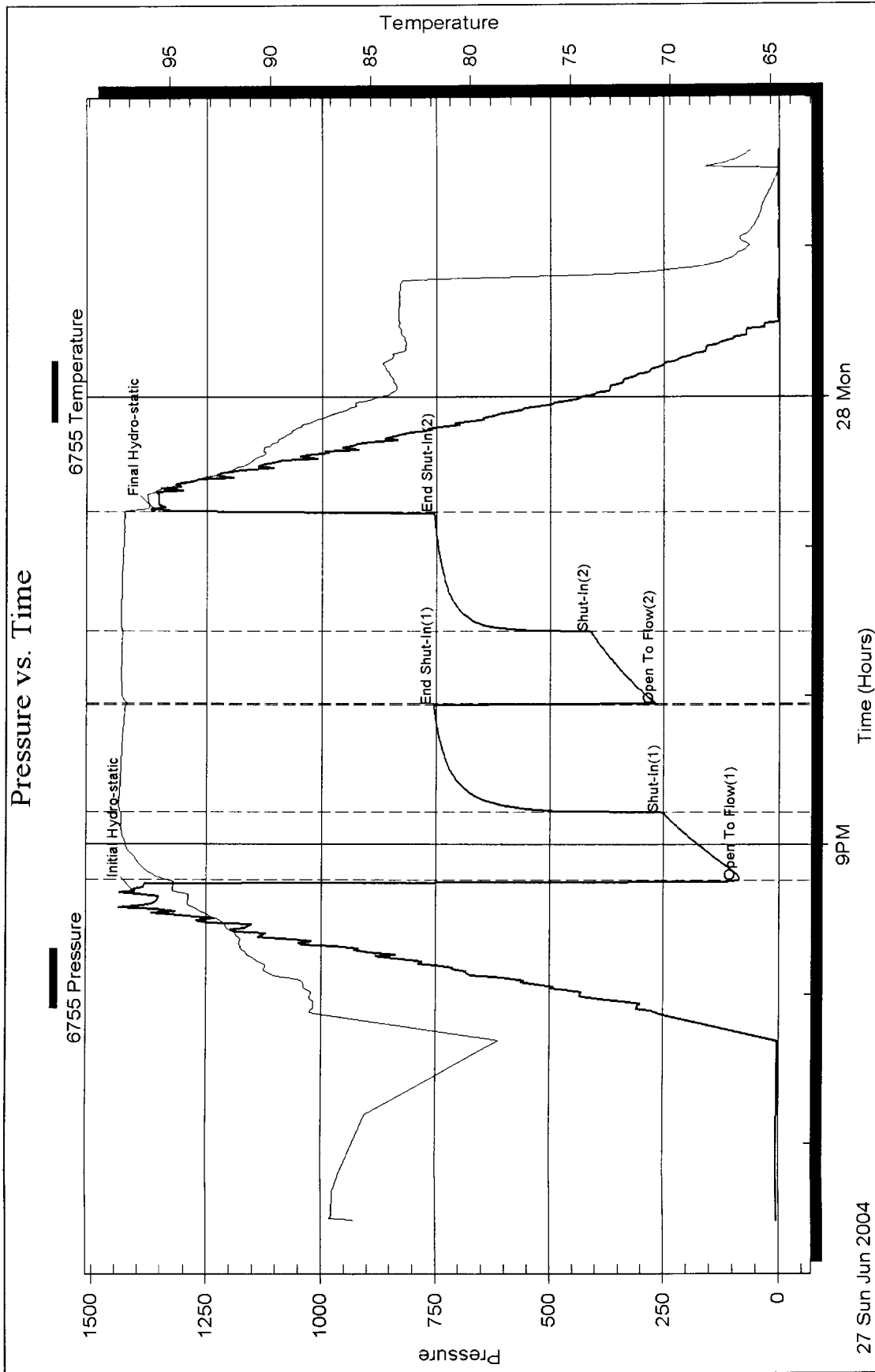
Num Gas Bombs: 0

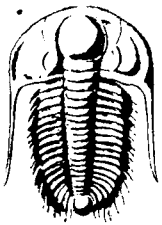
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19158

05/03

## Test Ticket

Well Name & No. Conklin #1-15 Test No. 1 Date 6-26-04  
 Company CMX Inc. Zone Tested Chase  
 Address 150 N. Main, Ste 1026, Wichita, Ks. 67202 Elevation 2031 KB 2020 GL  
 Co. Rep / Geo. Ken LeBlanc Cont. Duke Wiley #1 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 15 Twp. 29<sup>s</sup> Rge. 17<sup>w</sup> Co. Kiowa State Ks  
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 2830 - 2839' Initial Str Wt./Lbs. 49,000 Unseated Str Wt./Lbs. 49,500  
 Anchor Length 9' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 64,000  
 Top Packer Depth 2825' Tool Weight 2100#  
 Bottom Packer Depth 2830' Hole Size 7 7/8" Rubber Size 6 3/4"  
 Total Depth 2839' Wt. Pipe Run None Drill Collar Run None  
 Mud Wt. 9.4 LCM ~ Vis. 40 WL 30.2cc Drill Pipe Size 4 1/2" Ft. Run 2813'  
 Blow Description IF: Strong blow. B.O.B. in 2 min. ISI weak below 1/4-1/2".  
FF: Strong blow. B.O.B. in 6 sec. FSI weak below 1/2-2".

Recovery - Total Feet 35 GIP 1750 Ft. in DC 0 Ft. in DP 35  
 Rec. 35 Feet of Dry Mud. %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 BHT 96 °F Gravity N/A °API D @ \_\_\_\_\_ °F Corrected Gravity N/A °API  
 RW N/C. @ 2 °F Chlorides 11,000 ppm Recovery \_\_\_\_\_ Chlorides 11,000 ppm System

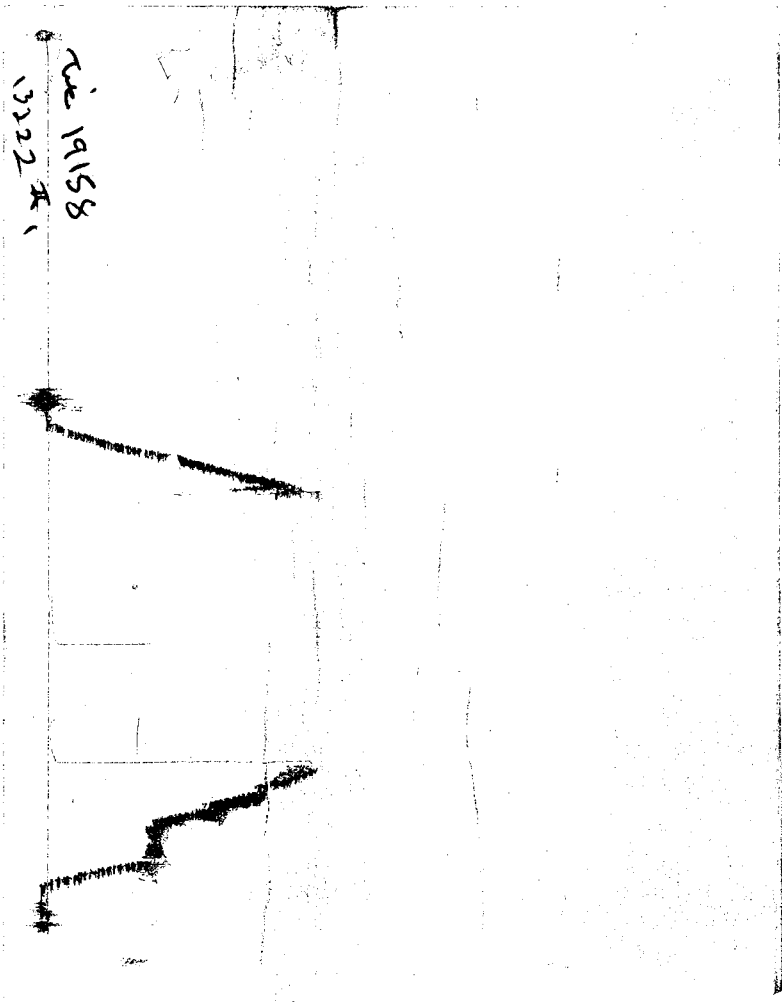
| AK-1                             | Alpine          | Recorder No.              | Test                     |
|----------------------------------|-----------------|---------------------------|--------------------------|
| (A) Initial Hydrostatic Mud      | <u>1381</u> PSI | <u>6755</u>               | <u>✓ 700</u>             |
| (B) First Initial Flow Pressure  | <u>15</u> PSI   | (depth) <u>2831'</u>      | Elec. Rec. <u>✓ 150</u>  |
| (C) First Final Flow Pressure    | <u>18</u> PSI   | Recorder No. <u>13222</u> | Jars _____               |
| (D) Initial Shut-In Pressure     | <u>584</u> PSI  | (depth) <u>2834'</u>      | Safety Jt. <u>✓ 50</u>   |
| (E) Second Initial Flow Pressure | <u>19</u> PSI   | Recorder No. <u>~</u>     | Circ Sub _____           |
| (F) Second Final Flow Pressure   | <u>27</u> PSI   | (depth) <u>~</u>          | Sampler _____            |
| (G) Final Shut-In Pressure       | <u>509</u> PSI  | Initial Opening <u>30</u> | Straddle _____           |
| (Q) Final Hydrostatic Mud        | <u>1345</u> PSI | Initial Shut-In <u>60</u> | Ext. Packer _____        |
|                                  |                 | Final Flow <u>45</u>      | Shale Packer _____       |
|                                  |                 | Final Shut-In <u>60</u>   | Mileage <u>✓ 35</u>      |
|                                  |                 | T-On Location <u>1530</u> | Sub Total: <u>959.50</u> |
|                                  |                 | T-Started <u>1620</u>     | Std. By <u>959.50</u>    |
|                                  |                 | T-Open <u>1744</u>        | Other <u>~</u>           |
|                                  |                 | T-Pulled <u>2102</u>      | Total: <u>255</u>        |
|                                  |                 | T-Out <u>2231</u>         |                          |

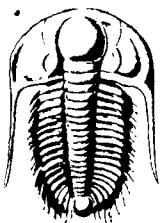
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Approved By Cory P. [Signature]  
 Our Representative Cory P. [Signature]

# CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19159

05/03

## Test Ticket

|                 |                                                 |                            |                     |                 |                 |
|-----------------|-------------------------------------------------|----------------------------|---------------------|-----------------|-----------------|
| Well Name & No. | <u>Conklin # 1-15</u>                           | Test No.                   | <u>2</u>            | Date            | <u>6-27-04</u>  |
| Company         | <u>CMX Inc.</u>                                 | Zone Tested                | <u>Cottonwood</u>   |                 |                 |
| Address         | <u>150 N. Main, Ste 1026, Wichita Ks. 67202</u> | Elevation                  | <u>2031</u>         | KB              | <u>2020</u>     |
| Co. Rep / Geo.  | <u>Ken L. Blane</u>                             | Cont.                      | <u>Duke Berg #1</u> | Est. Ft. of Pay | <u>        </u> |
| Location: Sec.  | <u>15</u>                                       | Twp.                       | <u>29 S</u>         | Rge.            | <u>17 W</u>     |
|                 |                                                 | Co.                        | <u>Kiowa</u>        | State           | <u>Ks.</u>      |
| No. of Copies   | <u>5</u>                                        | Disbtribution Sheet (Y, N) | <u>N</u>            | Turnkey (Y, N)  | <u>        </u> |
|                 |                                                 | Evaluation (Y, N)          | <u>        </u>     |                 |                 |

|                       |                                                                                                                                                                                                   |                      |                  |                       |                 |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------|-----------------------|-----------------|
| Interval Tested       | <u>2849 - 2856</u>                                                                                                                                                                                | Initial Str Wt./Lbs. | <u>50,000</u>    | Unseated Str Wt/Lbs.  | <u>53,000</u>   |
| Anchor Length         | <u>7'</u>                                                                                                                                                                                         | Wt. Set Lbs.         | <u>20,000</u>    | Wt. Pulled Loose/Lbs. | <u>64,000</u>   |
| Top Packer Depth      | <u>2844'</u>                                                                                                                                                                                      | Tool Weight          | <u>2100 #</u>    |                       |                 |
| Bottom Packer Depth   | <u>2849'</u>                                                                                                                                                                                      | Hole Size            | <u>7 7/8" ✓</u>  | Rubber Size           | <u>6 3/4" ✓</u> |
| Total Depth           | <u>2856'</u>                                                                                                                                                                                      | Wt. Pipe Run         | <u>None</u>      | Drill Collar Run      | <u>None</u>     |
| Mud Wt.               | <u>9.2</u>                                                                                                                                                                                        | LCM                  | <u>~</u>         | Vis.                  | <u>41</u>       |
|                       |                                                                                                                                                                                                   | WL                   | <u>16.8</u>      | Drill Pipe Size       | <u>4 1/2"</u>   |
|                       |                                                                                                                                                                                                   | Ft. Run              | <u>2842'</u>     |                       |                 |
| Blow Description      | <u>IF: Fair to strong blow, B.O.B. in 23 mins. Comments: 14 ft. of fill on bit, slid tool 7-8 ft. Tool sliding during IFP. Lost pkr. seat at one point while calling in report! ISL: No blow.</u> |                      |                  |                       |                 |
|                       | <u>FF: Fair blow 1-13". FSI: No blow.</u>                                                                                                                                                         |                      |                  |                       |                 |
| Recovery - Total Feet | <u>405</u>                                                                                                                                                                                        | GIP                  | <u>370</u>       | Ft. in DC             | <u>0</u>        |
|                       |                                                                                                                                                                                                   | Ft. in DP            | <u>405</u>       |                       |                 |
| Rec.                  | <u>270</u>                                                                                                                                                                                        | Feet of              | <u>Drily Mud</u> | %gas                  | <u>        </u> |
|                       |                                                                                                                                                                                                   | %oil                 | <u>        </u>  | %water                | <u>        </u> |
|                       |                                                                                                                                                                                                   | %mud                 | <u>        </u>  |                       |                 |
| Rec.                  | <u>135</u>                                                                                                                                                                                        | Feet of              | <u>Mud</u>       | %gas                  | <u>        </u> |
|                       |                                                                                                                                                                                                   | %oil                 | <u>        </u>  | %water                | <u>97</u>       |
|                       |                                                                                                                                                                                                   | %mud                 | <u>3</u>         |                       |                 |
| Rec.                  |                                                                                                                                                                                                   | Feet of              |                  | %gas                  | <u>        </u> |
|                       |                                                                                                                                                                                                   | %oil                 | <u>        </u>  | %water                | <u>        </u> |
|                       |                                                                                                                                                                                                   | %mud                 | <u>        </u>  |                       |                 |
| Rec.                  |                                                                                                                                                                                                   | Feet of              |                  | %gas                  | <u>        </u> |
|                       |                                                                                                                                                                                                   | %oil                 | <u>        </u>  | %water                | <u>        </u> |
|                       |                                                                                                                                                                                                   | %mud                 | <u>        </u>  |                       |                 |
| BHT                   | <u>96</u>                                                                                                                                                                                         | °F Gravity           | <u>N/A</u>       | °API D @              | <u>        </u> |
|                       |                                                                                                                                                                                                   | °F Corrected Gravity | <u>N/A</u>       | °API                  | <u>        </u> |
| RW                    | <u>.05</u>                                                                                                                                                                                        | @                    | <u>81</u>        | °F                    |                 |
|                       |                                                                                                                                                                                                   | Chlorides            | <u>149,000</u>   | ppm Recovery          | <u>        </u> |
|                       |                                                                                                                                                                                                   | Chlorides            | <u>11,000</u>    | ppm System            | <u>        </u> |

AK-1

|                                  |             |     |                 |                 |              |          |            |
|----------------------------------|-------------|-----|-----------------|-----------------|--------------|----------|------------|
| (A) Initial Hydrostatic Mud      | <u>1380</u> | PSI | Recorder No.    | <u>6755</u>     | Test         | <u>✓</u> | <u>700</u> |
| (B) First Initial Flow Pressure  | <u>48</u>   | PSI | (depth)         | <u>2850</u>     | Elec. Rec.   | <u>✓</u> | <u>150</u> |
| (C) First Final Flow Pressure    | <u>170</u>  | PSI | Recorder No.    | <u>13222</u>    | Jars         |          |            |
| (D) Initial Shut-In Pressure     | <u>780</u>  | PSI | (depth)         | <u>2851</u>     | Safety Jt.   | <u>✓</u> | <u>50</u>  |
| (E) Second Initial Flow Pressure | <u>174</u>  | PSI | Recorder No.    | <u>        </u> | Circ Sub     |          |            |
| (F) Second Final Flow Pressure   | <u>208</u>  | PSI | (depth)         | <u>        </u> | Sampler      |          |            |
| (G) Final Shut-In Pressure       | <u>767</u>  | PSI | Initial Opening | <u>35</u>       | Straddle     |          |            |
| (Q) Final Hydrostatic Mud        | <u>1369</u> | PSI | Initial Shut-In | <u>30</u>       | Ext. Packer  |          |            |
|                                  |             |     | Final Flow      | <u>30</u>       | Shale Packer |          |            |
|                                  |             |     | Final Shut-In   | <u>30</u>       | Mileage      | <u>✓</u> | <u>35</u>  |

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Approved By           
Our Representative         

T-On Location

T-Started

T-Open

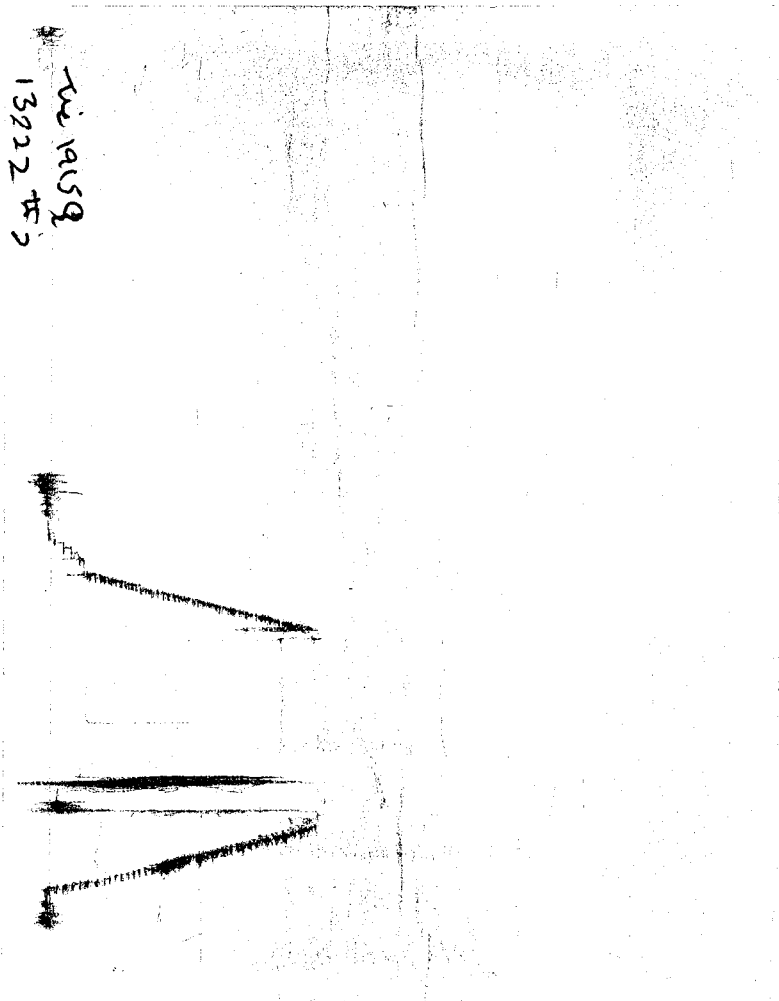
T-Pulled

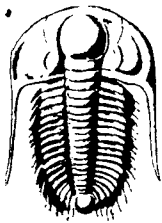
T-Out

|              |          |               |
|--------------|----------|---------------|
| Test         | <u>✓</u> | <u>700</u>    |
| Elec. Rec.   | <u>✓</u> | <u>150</u>    |
| Jars         |          |               |
| Safety Jt.   | <u>✓</u> | <u>50</u>     |
| Circ Sub     |          |               |
| Sampler      |          |               |
| Straddle     |          |               |
| Ext. Packer  |          |               |
| Shale Packer |          |               |
| Mileage      | <u>✓</u> | <u>35</u>     |
| Sub Total:   |          | <u>935</u>    |
| Std. By      |          | <u>959.50</u> |
| Other        |          |               |
| Total:       |          | <u>935.00</u> |

# CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV  
6507

No 19160

05/03

## Test Ticket

|                 |                   |                            |                 |                 |                   |
|-----------------|-------------------|----------------------------|-----------------|-----------------|-------------------|
| Well Name & No. | Conklin # 1-15    | Test No.                   | 3               | Date            | 6-27-09           |
| Company         | CMX Inc.          | Zone Tested                | Cottonwood      |                 |                   |
| Address         | Wichita Ks. 67202 | Elevation                  | 2031' KB 2020   | GL              |                   |
| Co. Rep / Geo.  | Ken LeBlanc       | Cont.                      | Duke Dwyer #1   | Est. Ft. of Pay | Por. %            |
| Location: Sec.  | 15                | Twp.                       | 29 <sup>s</sup> | Rge.            | 17 <sup>w</sup>   |
|                 |                   | Co.                        | Kansas          | State           | Ks.               |
| No. of Copies   | 5                 | Disbtribution Sheet (Y, N) | N               | Turnkey (Y, N)  | Evaluation (Y, N) |

Interval Tested 2850 - 2880' Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 55,000  
Anchor Length 30' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 46,000  
Top Packer Depth 2845' Tool Weight 2100#  
Bottom Packer Depth 2850' Hole Size 7 7/8" Rubber Size 6 3/4"  
Total Depth 2880' Wt. Pipe Run None Drill Collar Run None  
Mud Wt. 9.2 LCM ~ Vis. LS WL 22.0 Drill Pipe Size 4 1/2" Ft. Run 2842'  
Blow Description IF: Strong blow. B.O.B. in 4-5 secs. ISI: Fair blow.  
Increase to 8".  
FF: Strong blow. B.O.B. in 5 mins. FSI: No blow.

Recovery - Total Feet 760 GIP ? Ft. in DC 0 Ft. in DP 760  
Rec. 760 Feet of Salt Water %gas %oil %water %mud  
Rec. Feet of %gas %oil %water %mud  
Rec. Feet of %gas %oil %water %mud  
Rec. Feet of %gas %oil %water %mud  
Rec. Feet of %gas %oil %water %mud  
BHT 97 °F Gravity N/A °API D @ ~ °F Corrected Gravity N/A °API  
RW 0.66 @ 63 °F Chlorides 144,000 ppm Recovery Chlorides 13,000 ppm System

| AK-1                             | Alpine          | Recorder No.              | Test                     |
|----------------------------------|-----------------|---------------------------|--------------------------|
| (A) Initial Hydrostatic Mud      | <u>1409</u> PSI | <u>6755</u>               | <u>✓ 700</u>             |
| (B) First Initial Flow Pressure  | <u>90</u> PSI   | (depth) <u>2851'</u>      | Elec. Rec. <u>✓ 150</u>  |
| (C) First Final Flow Pressure    | <u>256</u> PSI  | Recorder No. <u>13222</u> | Jars                     |
| (D) Initial Shut-In Pressure     | <u>756</u> PSI  | (depth) <u>2875</u>       | Safety Jt. <u>✓ 50</u>   |
| (E) Second Initial Flow Pressure | <u>248</u> PSI  | Recorder No. <u>~</u>     | Circ Sub                 |
| (F) Second Final Flow Pressure   | <u>412</u> PSI  | (depth) <u>~</u>          | Sampler                  |
| (G) Final Shut-In Pressure       | <u>755</u> PSI  | Initial Opening <u>30</u> | Straddle                 |
| (Q) Final Hydrostatic Mud        | <u>1366</u> PSI | Initial Shut-In <u>45</u> | Ext. Packer              |
|                                  |                 | Final Flow <u>30</u>      | Shale Packer             |
|                                  |                 | Final Shut-In <u>45</u>   | Mileage <u>✓ 35</u>      |
|                                  |                 | T-On Location <u>1815</u> | Sub Total: <u>935.00</u> |
|                                  |                 | T-Started <u>1829</u>     | Std. By <u>959.50</u>    |
|                                  |                 | T-Open <u>2045</u>        | Other                    |
|                                  |                 | T-Pulled <u>2316</u>      | Total: <u>✓ 935.00</u>   |
|                                  |                 | T-Out <u>0139</u>         |                          |

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Approved By \_\_\_\_\_

Our Representative

Gary B. Swartz

# CHART PAGE

This is a photocopy of the actual AK-1 recorder chart

