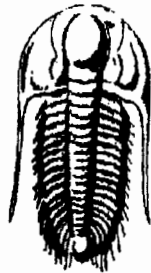


15-007-23015

18-31s-11w

KCC
JUN 28 2006
CONFIDENTIAL



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **CMX Inc**

1551 N Waterfront Parkway Ste 150
Wichita KS 67206

ATTN: Ken LeBlanc

18 31S 11W Barber KS

Chain Ranch #4

Start Date: 2006.05.09 @ 08:17:56

End Date: 2006.05.09 @ 16:41:11

Job Ticket #: 24833 DST #: 1

NE NE SW

2310 FSL 2310 FWL

RECEIVED
JUN 30 2006
KCC WICHITA

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

CMX Inc

Chain Ranch #4

18 31S 11W Barber KS

DST # 1

Swope

2006.05.09



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

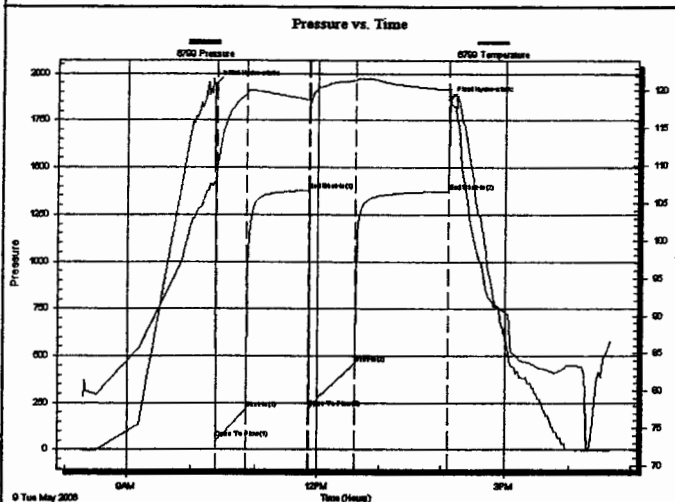
Chain Ranch #4
18 31S 11W Barber KS
 Job Ticket: 24833 DST#: 1
 Test Start: 2006.05.09 @ 08:17:56

GENERAL INFORMATION:

Formation: **Swope**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:23:26
 Time Test Ended: 16:41:11
 Interval: **4089.00 ft (KB) To 4100.00 ft (KB) (TVD)**
 Total Depth: 4100.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Gerald Adams
 Unit No: 36
 Reference Elevations: 1594.00 ft (KB)
 1583.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 6799 **Inside**
 Press@RunDepth: 460.74 psig @ 4090.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2006.05.09 End Date: 2006.05.09 Last Calib.: 2006.05.09
 Start Time: 08:18:01 End Time: 16:41:10 Time On Btm: 2006.05.09 @ 10:21:41
 Time Off Btm: 2006.05.09 @ 14:06:25

TEST COMMENT: IF Strong blow BOB in 20 secs GTS in 12" (no gas sample) (see gas flow report)
 ISI Strong blow BOB in 80 secs (After 10" bleed off)
 FF Strong blow BOB in 90 secs
 FSI Strong blow BOB in 30 secs. (A



PRESSURE SUMMARY

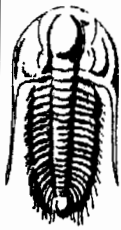
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1940.60	107.58	Initial Hydro-static
2	58.09	109.87	Open To Flow (1)
30	219.15	119.56	Shut-in(1)
90	1378.91	118.79	End Shut-in(1)
91	223.22	118.15	Open To Flow (2)
135	460.74	121.35	Shut-in(2)
225	1374.95	120.13	End Shut-in(2)
225	1860.05	120.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
620.00	SW 100%W	8.70
370.00	HG&OCWM 40%G 45%O 4%W 11%M	5.19
0.00	3087' GIP	0.00
0.00	RW= 1.2@70deg. 4900 ppm	0.00
0.00		0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	2.00	26.02
Last Gas Rate			
Max. Gas Rate	0.13	14.50	10.82



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

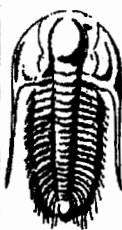
CMX Inc
1551 N Waterfront Parkway Ste 150
Wichita KS 67206
ATTN: Ken LeBlanc

Chain Ranch #4
18 31S 11W Barber KS
Job Ticket: 24833 **DST#: 1**
Test Start: 2006.05.09 @ 08:17:56

Tool Information

Drill Pipe:	Length: 4077.00 ft	Diameter: 3.80 inches	Volume: 57.19 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: 60000.00 lb
			<u>Total Volume: 57.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	4089.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	34.00 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			4071.00	
Hydraulic tool	5.00			4076.00	
Safety Joint	3.00			4079.00	
Packer	5.00			4084.00	23.00 Bottom Of Top Packer
Packer	5.00			4089.00	
Stubb	1.00			4090.00	
Recorder	0.00	6799	Inside	4090.00	
Perforations	7.00			4097.00	
Recorder	0.00	13400	Outside	4097.00	
Bullnose	3.00			4100.00	11.00 Bottom Packers & Anchor
Total Tool Length:	34.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

Chain Ranch #4
18 31S 11W Barber KS
Job Ticket: 24833 **DST#: 1**
Test Start: 2006.05.09 @ 08:17:56

Mud and Cushion Information

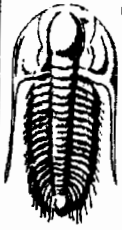
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 13.17 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4600.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
620.00	SW 100%W	8.697
370.00	HG&OCWM 40%G 45%O 4%W 11%M	5.190
0.00	3087' GIP	0.000
0.00	RW= 1.2@70deg. 4900 ppm	0.000
0.00		0.000

Total Length: 990.00 ft Total Volume: 13.887 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

CMX Inc

Chain Ranch #4

1551 N Waterfront Parkway Ste 150
Wichita KS 67206

18 31S 11W Barber KS

Job Ticket: 24833

DST#: 1

ATTN: Ken LeBlanc

Test Start: 2006.05.09 @ 08:17:56

Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

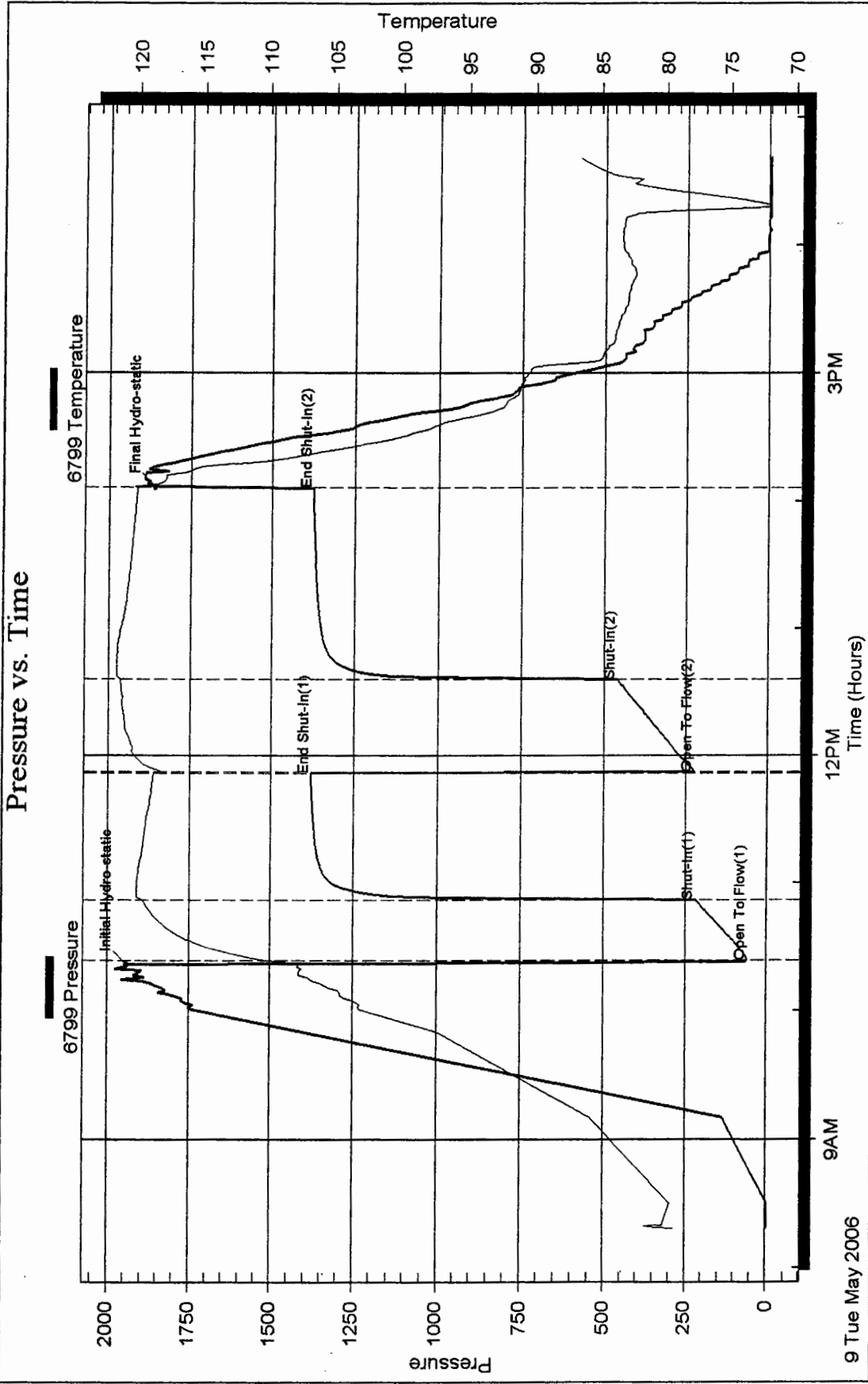
Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	15	0.25	2.00	26.02
1	20	0.25	4.00	29.19
1	30	0.25	5.25	31.17
2	15	0.13	2.00	6.14
2	20	0.13	4.00	6.89
2	30	0.13	8.00	8.38
2	40	0.13	12.50	10.07
2	45	0.13	14.50	10.82
0	-	-999999.00	-999999.00	-999999.00

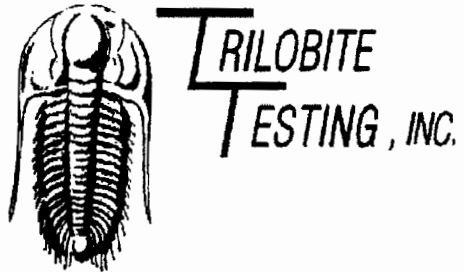
Serial #: 6799

Inside CMX Inc

18 31S 11W Barber KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **CMX Inc**

1551 N Waterfront Parkway Ste 150
Wichita KS 67206

ATTN: Ken LeBlanc

18 31S 11W Barber KS

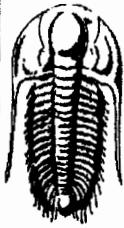
Chain Ranch #4

Start Date: 2006.05.10 @ 13:37:47

End Date: 2006.05.10 @ 23:25:32

Job Ticket #: 24834 DST #: 2

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 Parkway Ste 150
Wichita KS 67206
ATTN: Ken LeBlanc

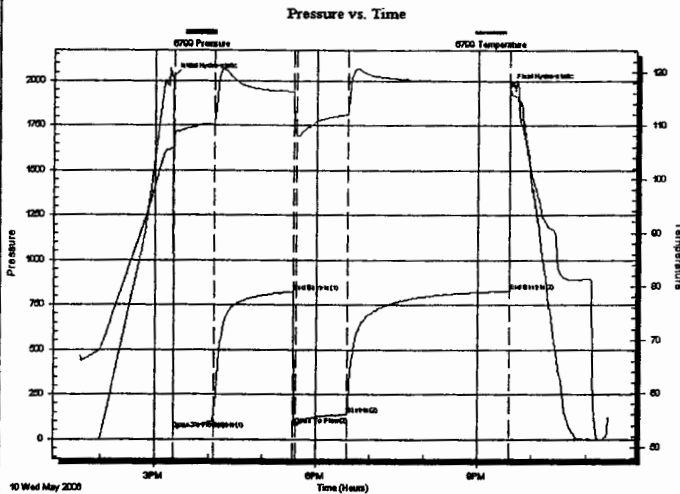
Chain Ranch #4
18 31S 11W Barber KS
Job Ticket: 24834 **DST#: 2**
Test Start: 2006.05.10 @ 13:37:47

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:20:47
Time Test Ended: 23:25:32
Test Type: Conventional Bottom Hole
Tester: Gerald Adams
Unit No: 36
Interval: **4240.00 ft (KB) To 4305.00 ft (KB) (TVD)**
Reference Elevations: 1594.00 ft (KB)
Total Depth: 4305.00 ft (KB) (TVD) 1583.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 6799 Inside
Press@RunDepth: 135.98 psig @ 4242.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2006.05.10 End Date: 2006.05.10 Last Calib.: 2006.05.10
Start Time: 13:37:52 End Time: 23:25:32 Time On Btm: 2006.05.10 @ 15:19:32
Time Off Btm: 2006.05.10 @ 21:35:31

TEST COMMENT: IF Strong blow BOB in 2" GTS in 14" (see gas flow report) (no gas sample)
ISI No blow
FF Strong blow BOB in 10 secs
FSI Weak surf blow Died in 60"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2018.21	105.81	Initial Hydro-static
2	52.07	107.63	Open To Flow (1)
46	98.47	110.30	Shut-in(1)
135	823.01	116.41	End Shut-in(1)
138	78.43	108.46	Open To Flow (2)
195	135.98	112.07	Shut-in(2)
376	827.19	118.31	End Shut-in(2)
376	1964.86	117.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	SGCM 5%G 95%M	2.67
0.00	4047' GIP	0.00
0.00		0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	3.50	120.75
Last Gas Rate			
Max. Gas Rate	0.25	47.00	97.40



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

Chain Ranch #4
18 31S 11W Barber KS
Job Ticket: 24834 **DST#: 2**
Test Start: 2006.05.10 @ 13:37:47

Tool Information

Drill Pipe:	Length: 4237.00 ft	Diameter: 3.80 inches	Volume: 59.43 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: 60000.00 lb
			<u>Total Volume: 59.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	4240.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	88.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4222.00	
Hydraulic tool	5.00			4227.00	
Safety Joint	3.00			4230.00	
Packer	5.00			4235.00	23.00 Bottom Of Top Packer
Packer	5.00			4240.00	
Stubb	1.00			4241.00	
Change Over Sub	1.00			4242.00	
Recorder	0.00	6799	Inside	4242.00	
Blank Spacing	31.00			4273.00	
Change Over Sub	1.00			4274.00	
Perforations	28.00			4302.00	
Recorder	0.00	13400	Outside	4302.00	
Bullnose	3.00			4305.00	65.00 Bottom Packers & Anchor

Total Tool Length: 88.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc

1551 N Waterfront Parkway Ste 150
Wichita KS 67206

ATTN: Ken LeBlanc

Chain Ranch #4

18 31S-11W Barber KS

Job Ticket: 24834

DST#: 2

Test Start: 2006.05.10 @ 13:37:47

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 11.97 in³

Resistivity: 0.00 ohm.m

Salinity: 6700.00 ppm

Filter Cake: 0.02 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	SGCM 5%G 95%M	2.665
0.00	4047' GIP	0.000
0.00		0.000

Total Length: 190.00 ft

Total Volume: 2.665 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

CMX Inc

Chain Ranch #4

1551 N Waterfront Parkway Ste 150
Wichita KS 67206

18 31S 11W Barber KS

Job Ticket: 24834

DST#: 2

ATTN: Ken LeBlanc

Test Start: 2006.05.10 @ 13:37:47

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 ³ /d)
1	20	0.50	3.50	120.75
1	30	0.25	12.00	41.88
1	40	0.25	20.00	54.57
1	45	0.25	25.00	62.50
2	5	0.25	20.00	54.57
2	10	0.25	25.00	62.50
2	20	0.25	35.00	78.37
2	30	0.25	40.00	86.30
2	40	0.25	44.00	92.65
2	50	0.25	46.00	95.82
2	60	0.25	47.00	97.40
0	-	-999999.00	-999999.00	-999999.00

Serial #: 6799

Inside CMX Inc

18 31S 11W Barber KS

DST Test Number: 2

