



DRILL STEM TEST REPORT

Prepared For: **CMX Inc**

1551 N Waterfront Pkwy Ste150
Wichita KS 67206

ATTN: Ken LeBlanc

26 26 17 Edwards KS

Feldspar#1

Start Date: 2007.07.12 @ 13:07:40

End Date: 2007.07.12 @ 22:59:25

Job Ticket #: 27960 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

CIVX Inc

1551 N Waterfront Pkwy Ste150
Wichita KS 67206

ATTN: Ken LeBlanc

Feldspar#1

26 26 17 Edwards KS

Job Ticket: 27960

DST#: 1

Test Start: 2007.07.12 @ 13:07:40

GENERAL INFORMATION:

Formation: **Pleasanton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:34:55

Time Test Ended: 22:59:25

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **4320.00 ft (KB) To 4348.00 ft (KB) (TVD)**

Total Depth: 4348.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2112.00 ft (KB)

2103.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8167 Inside

Press@RunDepth: 147.86 psig @ 4321.00 ft (KB)

Start Date: 2007.07.12

End Date:

2007.07.12

Capacity: 7000.00 psig

Last Calib.: 2007.07.12

Start Time: 13:07:45

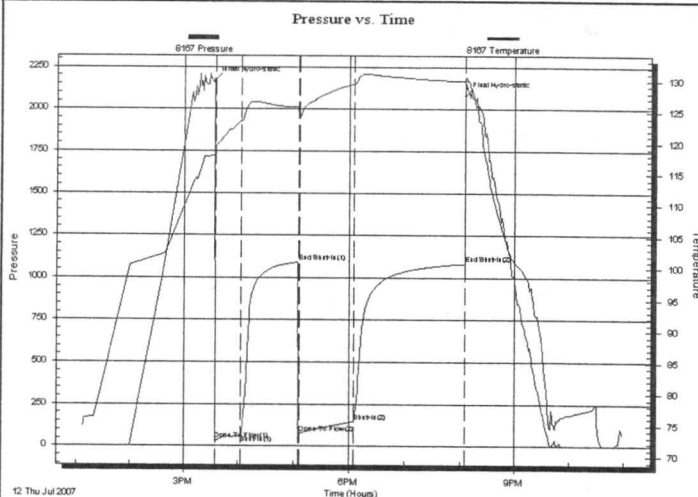
End Time:

22:59:25

Time On Btm: 2007.07.12 @ 15:33:55

Time Off Btm: 2007.07.12 @ 20:05:24

TEST COMMENT: IF Strong blow BOB in 40 secs.
ISI Weak blow 1 - 1 1/2 ".
FF Strong blow GTS in 1 min. (see gas flow report)
FSI Strong blow BOB in 5 - 6 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2168.92	117.87	Initial Hydro-static
1	37.42	119.35	Open To Flow (1)
30	66.45	123.61	Shut-In (1)
92	1090.85	125.72	End Shut-In (1)
93	78.72	124.01	Open To Flow (2)
152	147.86	129.40	Shut-In (2)
271	1082.04	129.86	End Shut-In (2)
272	2080.90	130.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	GCM 28%G 26%O 46%M	2.39
190.00	CGO 20%G 80%O	2.67

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	2.50	26.81
Last Gas Rate	0.25	2.00	26.02
Max. Gas Rate	0.25	2.50	26.81



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CIVX Inc

1551 N Waterfront Pkwy Ste150
Wichita KS 67206

ATTN: Ken LeBlanc

Feldspar#1

26 26 17 Edwards KS

Job Ticket: 27960

DST#: 1

Test Start: 2007.07.12 @ 13:07:40

Tool Information

Drill Pipe:	Length: 4298.00 ft	Diameter: 3.80 inches	Volume: 60.29 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:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 60.44 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	55000.00 lb
Depth to Top Packer:	4320.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	28.00 ft				
Tool Length:	51.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4298.00	
Shut In Tool	5.00			4303.00	
Hydraulic tool	5.00			4308.00	
Safety Joint	3.00			4311.00	
Packer	4.00			4315.00	23.00 Bottom Of Top Packer
Packer	5.00			4320.00	
Stubb	1.00			4321.00	
Recorder	0.00	8167	Inside	4321.00	
Perforations	22.00			4343.00	
Recorder	0.00	11019	Outside	4343.00	
Bullnose	5.00			4348.00	28.00 Bottom Packers & Anchor

Total Tool Length: 51.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc

1551 N Waterfront Pkwy Ste150
Wichita KS 67206

ATTN: Ken LeBlanc

Feldspar#1

26 26 17 Edwards KS

Job Ticket: 27960

DST#: 1

Test Start: 2007.07.12 @ 13:07:40

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 43.00 sec/qt

Water Loss: 9.59 in³

Resistivity: 0.00 ohm.m

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

35.3 deg API

Water Salinity:

6000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	GCM 28%G 26%O 46%M	2.392
190.00	CGO 20%G 80%O	2.665

Total Length: 380.00 ft

Total Volume: 5.057 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

CIVX Inc

Feldspar#1

1551 N Waterfront Pkwy Ste150
Wichita KS 67206

26 26 17 Edwards KS

ATTN: Ken LeBlanc

Job Ticket: 27960

DST#: 1

Test Start: 2007.07.12 @ 13:07:40

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)
2	10	0.25	2.50	26.81
2	10	0.25	2.50	26.81
2	20	0.25	2.50	26.81
2	30	0.25	2.50	26.81
2	40	0.25	2.50	26.81
2	50	0.25	2.00	26.02

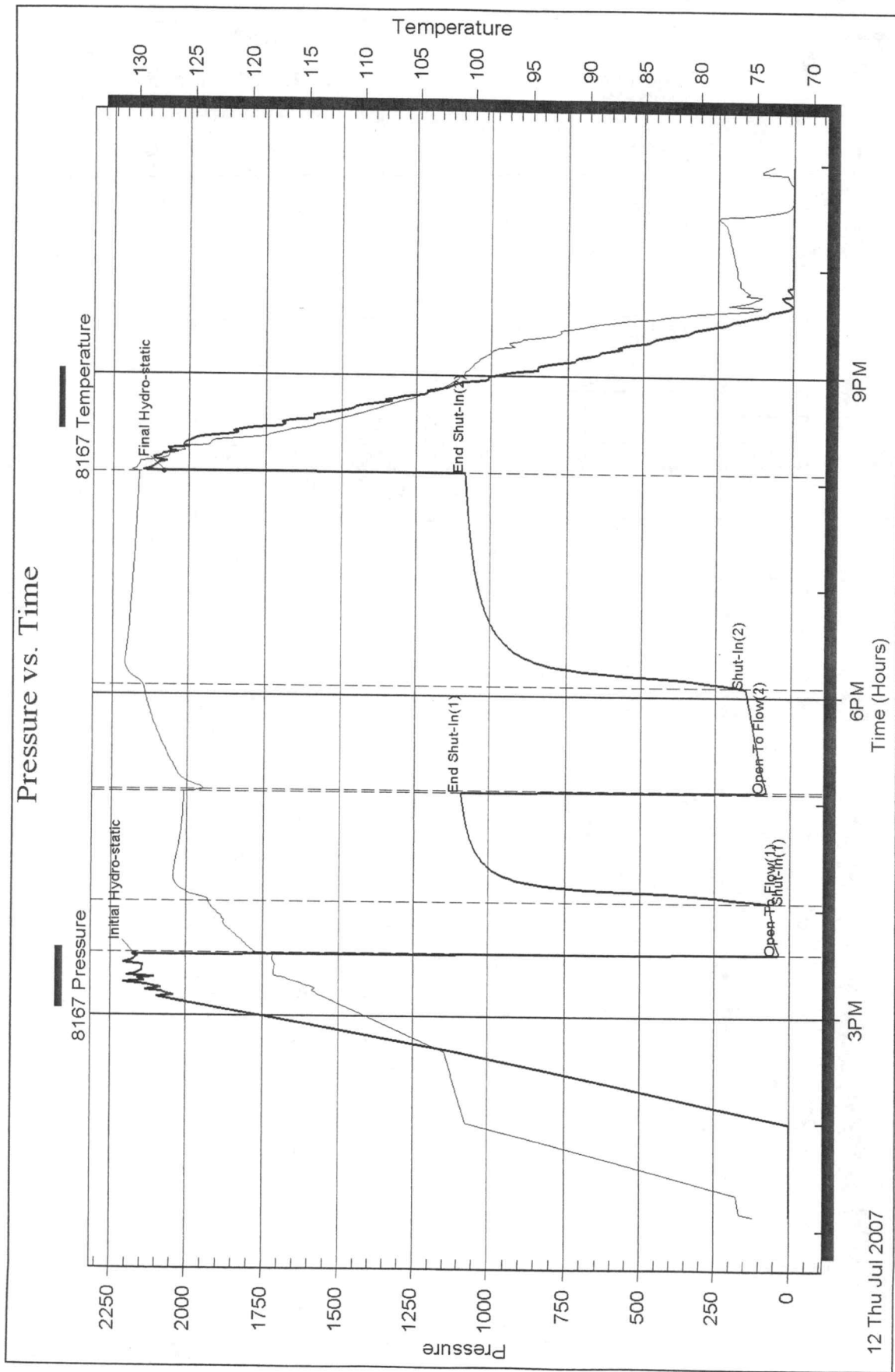
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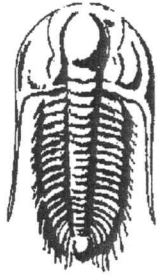
Inside

CMX Inc

26 26 17 Edwards KS

DST Test Number: 1





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **CMX Inc**

1551 N Waterfront Pkwy Ste150
Wichita KS 67206

ATTN: Ken LeBlanc

26 26 17 Edwards KS

Feldspar#1

Start Date: 2007.07.13 @ 21:37:54

End Date: 2007.07.14 @ 06:24:24

Job Ticket #: 27961 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 Pkwy Ste150
Wichita KS 67206

ATTN: Ken LeBlanc

Feldspar#1

26 26 17 Edwards KS

Job Ticket: 27961

DST#: 2

Test Start: 2007.07.13 @ 21:37:54

GENERAL INFORMATION:

Formation: **Kinderhook**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:26:24

Time Test Ended: 06:24:24

Interval: **4535.00 ft (KB) To 4572.00 ft (KB) (TVD)**

Total Depth: 4572.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Reference Elevations: 2112.00 ft (KB)

2103.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8167

Inside

Press@RunDepth: 21.96 psig @ 4536.00 ft (KB)

Start Date: 2007.07.13

End Date: 2007.07.14

Start Time: 21:37:59

End Time: 06:24:24

Capacity: 7000.00 psig

Last Calib.: 2007.07.14

Time On Btm: 2007.07.14 @ 00:26:09

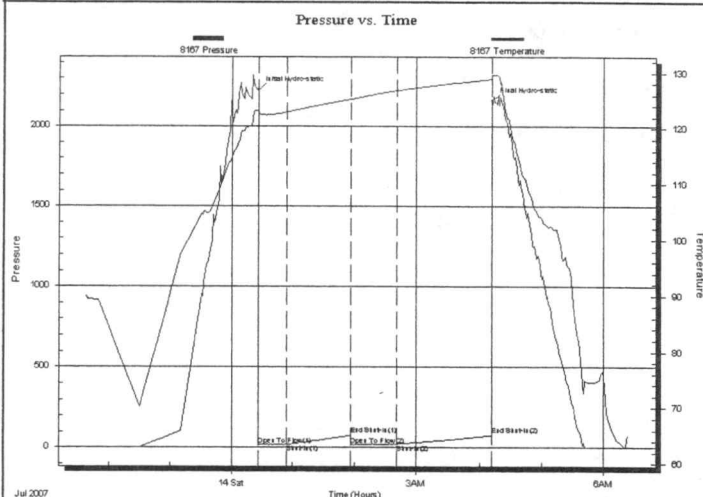
Time Off Btm: 2007.07.14 @ 04:11:38

TEST COMMENT: IF Weak blow 1/2 - 1 1/2 "

ISI No blow

FF Weak blow 1/2 "

FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2225.70	123.16	Initial Hydro-static
1	17.26	122.55	Open To Flow (1)
29	18.01	122.98	Shut-In(1)
91	77.93	125.28	End Shut-In(1)
91	16.53	125.26	Open To Flow (2)
135	21.96	126.79	Shut-In(2)
226	78.01	128.89	End Shut-In(2)
226	2157.56	129.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud w/Oil specs	0.10

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Inc

1551 N Waterfront Pkwy Ste150
Wichita KS 67206

ATTN: Ken LeBlanc

Feldspar#1

26 26 17 Edwards KS

Job Ticket: 27961

DST#: 2

Test Start: 2007.07.13 @ 21:37:54

Tool Information

Drill Pipe:	Length: 4490.00 ft	Diameter: 3.80 inches	Volume: 62.98 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:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	65000.00 lb
		Total Volume:	63.13 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	59000.00 lb
Depth to Top Packer:	4535.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	37.00 ft				
Tool Length:	60.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4513.00	
Shut In Tool	5.00			4518.00	
Hydraulic tool	5.00			4523.00	
Safety Joint	3.00			4526.00	
Packer	4.00			4530.00	23.00 Bottom Of Top Packer
Packer	5.00			4535.00	
Stubb	1.00			4536.00	
Recorder	0.00	8167	Inside	4536.00	
Perforations	31.00			4567.00	
Recorder	0.00	11019	Outside	4567.00	
Bullnose	5.00			4572.00	37.00 Bottom Packers & Anchor

Total Tool Length: 60.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc

Feldspar#1

1551 N Waterfront Pkwy Ste150
Wichita KS 67206

26 26 17 Edwards KS

Job Ticket: 27961

DST#: 2

ATTN: Ken LeBlanc

Test Start: 2007.07.13 @ 21:37:54

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 10.39 in³

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:

ft

bbl

psig

Oil API:

deg API

Water Salinity:

11000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud w /Oil specs	0.098

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

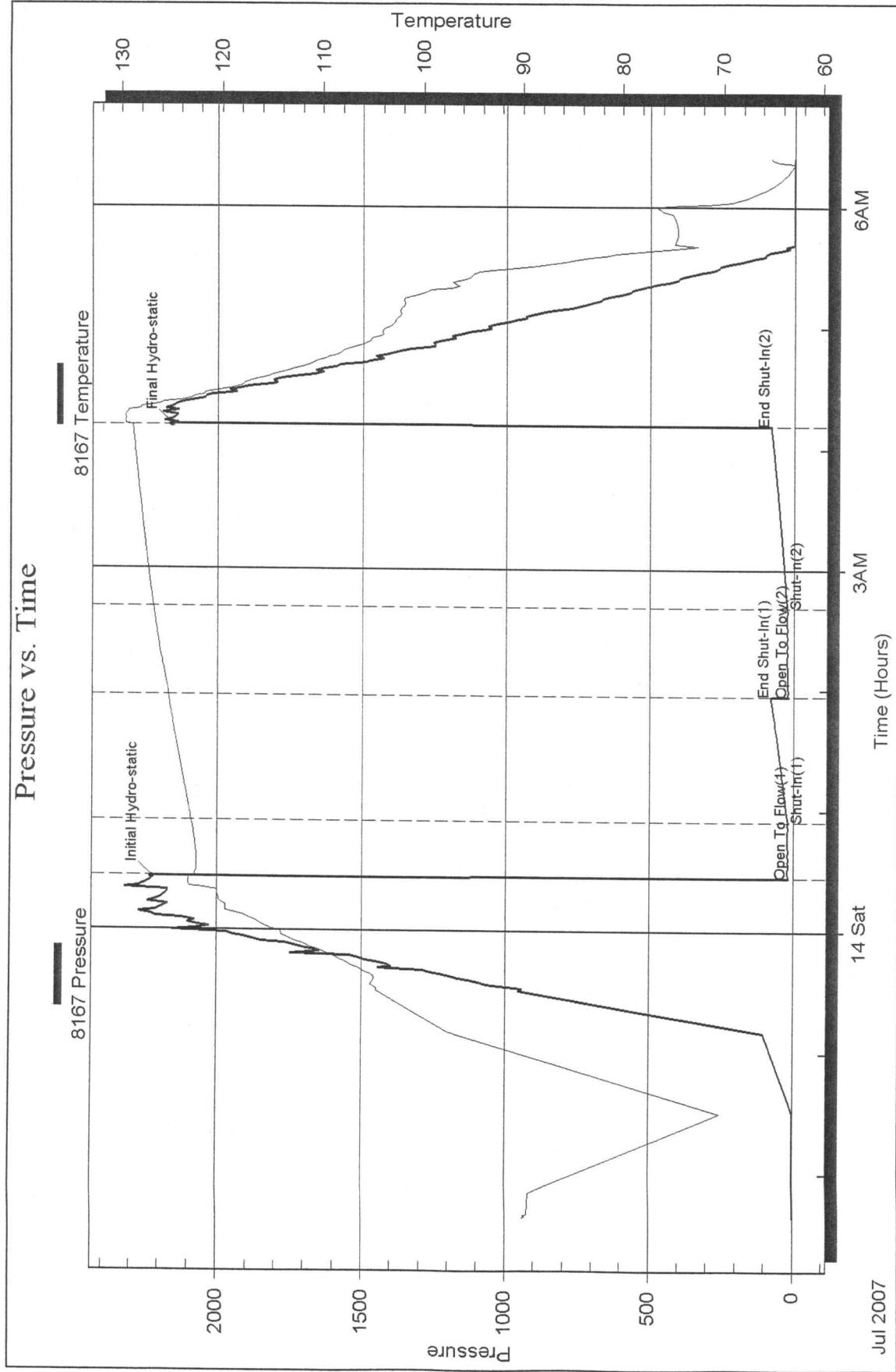
Serial #: 8167

Inside

CMX Inc

26 26 17 Edwards KS

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **CMX Inc**

1551 N Waterfront Pkwy Ste150
Wichita KS 67206

ATTN: Ken LeBlanc

26 26 17 Edwards KS

Feldspar#1

Start Date: 2007.07.14 @ 22:21:43

End Date: 2007.07.15 @ 06:12:13

Job Ticket #: 27962 DST #: 3

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

1551 N Waterfront Pkwy Ste150
Wichita KS 67206

ATTN: Ken LeBlanc

Feldspar#1

26 26 17 Edwards KS

Job Ticket: 27962

DST#: 3

Test Start: 2007.07.14 @ 22:21:43

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:33:58

Time Test Ended: 06:12:13

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **4668.00 ft (KB) To 4685.00 ft (KB) (TVD)**

Total Depth: 4685.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2112.00 ft (KB)

2103.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8167 Inside

Press@RunDepth: 33.65 psig @ 4669.00 ft (KB)

Start Date: 2007.07.14

End Date: 2007.07.15

Start Time: 22:21:48

End Time: 06:12:12

Capacity: 7000.00 psig

Last Calib.: 2007.07.15

Time On Btm: 2007.07.15 @ 00:33:28

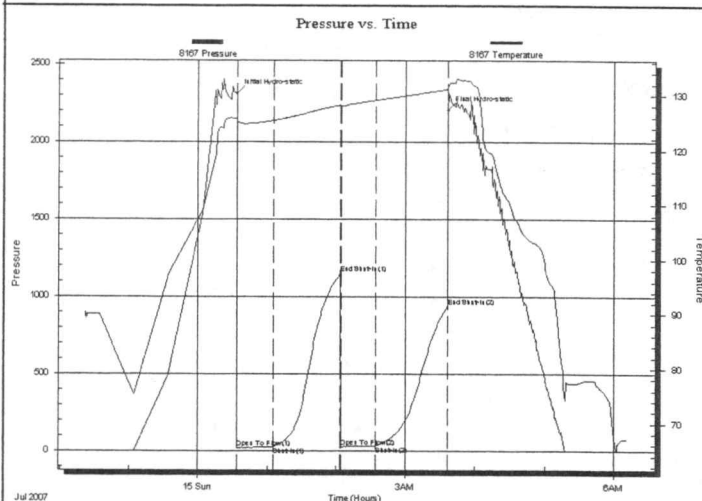
Time Off Btm: 2007.07.15 @ 03:36:42

TEST COMMENT: IF Weak blow 1/2 - 1 1/2 "

ISI No blow

FF Weak blow 1/4 "

FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2310.04	125.87	Initial Hydro-static
1	18.35	125.27	Open To Flow (1)
32	29.99	125.41	Shut-In(1)
91	1149.48	128.22	End Shut-In(1)
91	27.13	128.01	Open To Flow (2)
121	33.65	129.10	Shut-In(2)
183	939.13	131.14	End Shut-In(2)
184	2205.29	131.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud w/Oil specs	0.10

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Inc

1551 N Waterfront Pkwy Ste150
Wichita KS 67206

ATTN: Ken LeBlanc

Feldspar#1

26 26 17 Edwards KS

Job Ticket: 27962

DST#: 3

Test Start: 2007.07.14 @ 22:21:43

Tool Information

Drill Pipe:	Length: 4647.00 ft	Diameter: 3.80 inches	Volume: 65.19 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: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 68000.00 lb
		Total Volume: 65.34 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4668.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4646.00	
Shut In Tool	5.00			4651.00	
Hydraulic tool	5.00			4656.00	
Safety Joint	3.00			4659.00	
Packer	4.00			4663.00	23.00 Bottom Of Top Packer
Packer	5.00			4668.00	
Stubb	1.00			4669.00	
Recorder	0.00	8167	Inside	4669.00	
Perforations	11.00			4680.00	
Recorder	0.00	11019	Outside	4680.00	
Bullnose	5.00			4685.00	17.00 Bottom Packers & Anchor

Total Tool Length: 40.00



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc

Feldspar#1

1551 N Waterfront Pkwy Ste150
Wichita KS 67206

26 26 17 Edwards KS

Job Ticket: 27962

DST#: 3

ATTN: Ken LeBlanc

Test Start: 2007.07.14 @ 22:21:43

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 11.19 in³

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:

ft

bbl

psig

Oil API:

deg API

Water Salinity: 11000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud w/Oil specs	0.098

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

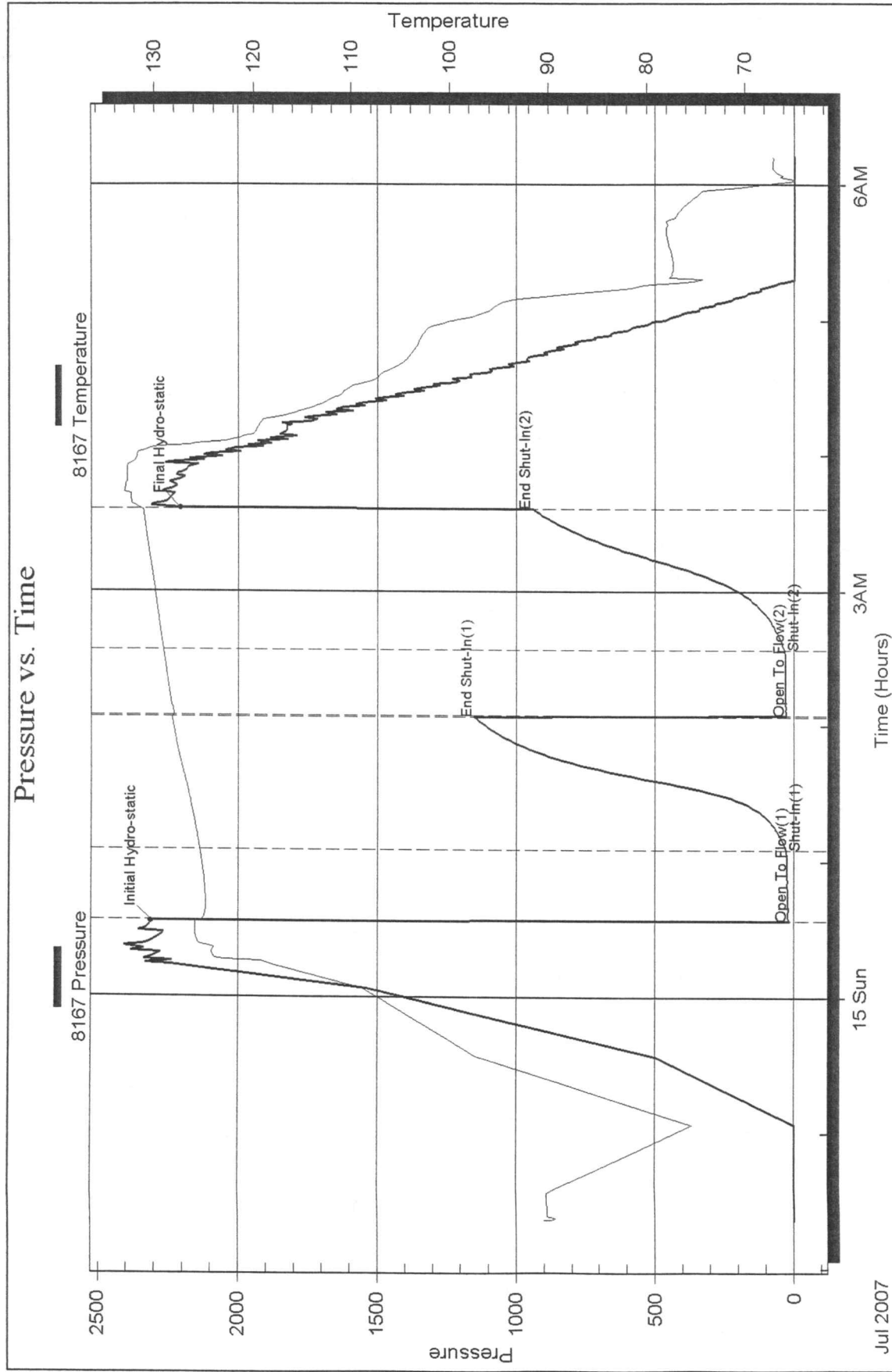


CHART PAGE

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

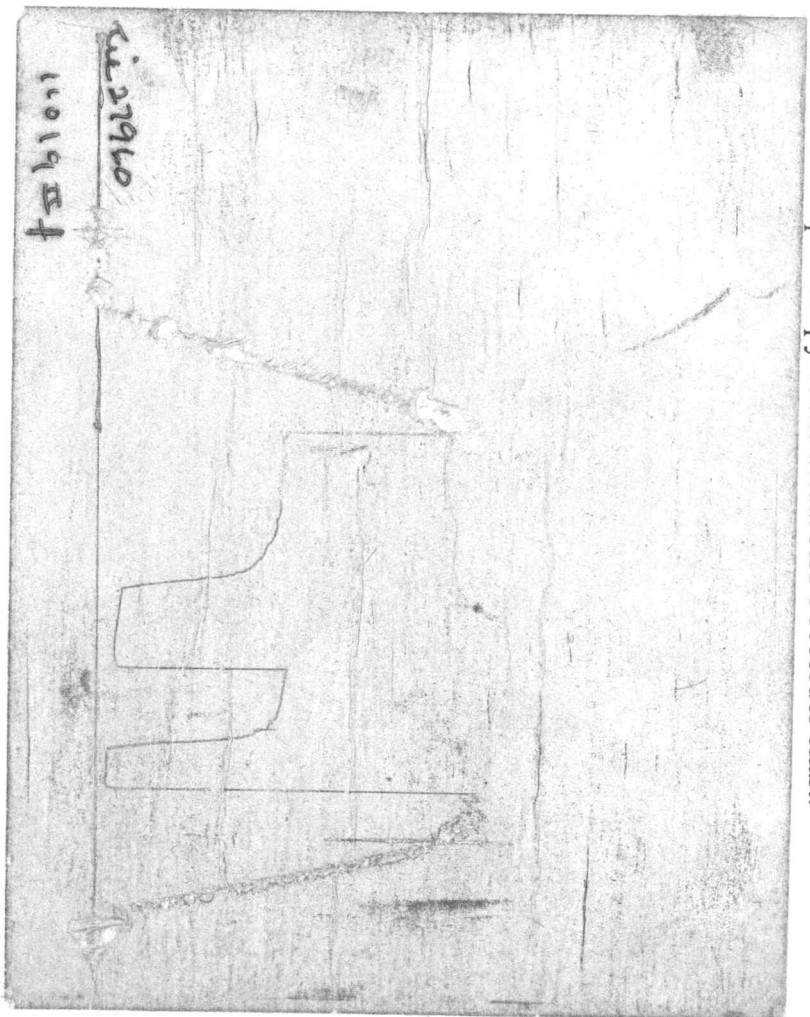


CHART PAGE

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

