

DRILL STEM TEST REPORT

Prepared For: **CMX Inc.**

150 N.Main Ste.1026
Wichita Ks. 67202

ATTN: Ken LeBlanc

35-30s-13w Barber Ks

Hartley #1

Start Date: 2004.04.26 @ 04:02:22

End Date: 2004.04.26 @ 09:51:22

Job Ticket #: 18984 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

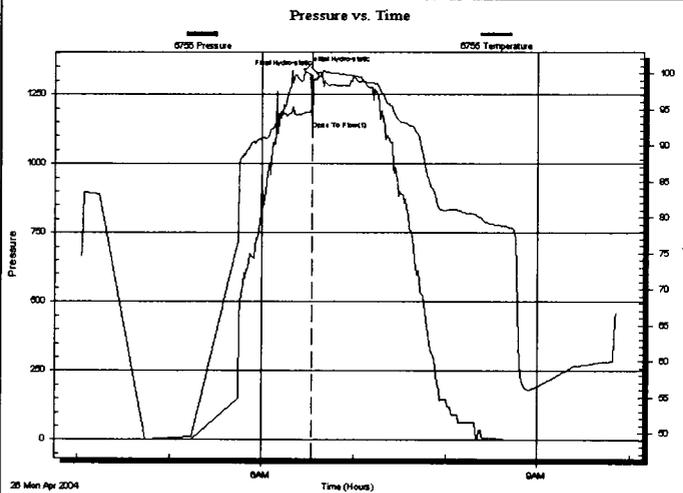
Hartley #1
35-30s-13w Barber Ks
Job Ticket: 18984 **DST#: 1**
Test Start: 2004.04.26 @ 04:02:22

GENERAL INFORMATION:

Formation: **Tarkio**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:32:22
 Time Test Ended: 09:51:22
 Interval: **2845.00 ft (KB) To 3050.00 ft (KB) (TVD)**
 Total Depth: 3400.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Straddle
 Tester: Gary Fevoteaux
 Unit No: 23
 Reference Elevations: 1798.00 ft (KB)
 1788.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6755 **Inside**
 Press@RunDepth: psig @ 2846.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2004.04.26 End Date: 2004.04.26 Last Calib.: 2004.04.26
 Start Time: 04:02:27 End Time: 09:51:21 Time On Btm: 2004.04.26 @ 06:27:52
 Time Off Btm: 2004.04.26 @ 06:36:07

TEST COMMENT: F:Strong blow . Packers failing. Picked up & re-set. Packers Failed! Msrn!



PRESSURE SUMMARY

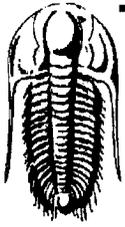
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1337.65	94.56	Initial Hydro-static
5	1123.06	95.61	Open To Flow (1)
9	1324.09	99.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	Mud	3.26

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

Hartley #1
35-30s-13w Barber Ks
Job Ticket: 18984 **DST#: 1**
Test Start: 2004.04.26 @ 04:02:22

Tool Information

Drill Pipe:	Length: 2729.00 ft	Diameter: 3.80 inches	Volume: 38.28 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: 26000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 38.87 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	2845.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	3050.00 ft			
Interval between Packers:	205.00 ft			
Tool Length:	577.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2824.00	
Shut In Tool	5.00			2829.00	
Hydraulic tool	5.00			2834.00	
Safety Joint	2.00			2836.00	
Packer	4.00			2840.00	22.00 Bottom Of Top Packer
Packer	5.00			2845.00	
Stubb	1.00			2846.00	
Recorder	0.00	6755	Inside	2846.00	
Perforations	3.00			2849.00	
Change Over Sub	1.00			2850.00	
Blank Spacing	185.00			3035.00	
Change Over Sub	1.00			3036.00	
Perforations	10.00			3046.00	
Recorder	0.00	10290	Outside	3046.00	
Blank Off Sub	1.00			3047.00	
travel collar	3.00			3050.00	205.00 Tool Interval
Packer	0.00			3050.00	
Stubb	1.00			3051.00	
Anchor	1.00			3052.00	
Change Over Sub	1.00			3053.00	
Blank Spacing	341.00			3394.00	
Change Over Sub	1.00			3395.00	
Recorder	0.00	13222	Below	3395.00	
Bullnose	5.00			3400.00	350.00 Bottom Packers & Anchor
Total Tool Length:	577.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc.
150 N.Main Ste.1026
Wichita Ks. 67202
ATTN: Ken LeBlanc

Hartley #1
35-30s-13w Barber Ks
Job Ticket: 18984 **DST#: 1**
Test Start: 2004.04.26 @ 04:02:22

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:	9000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 18.92 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 9000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	Mud	3.255

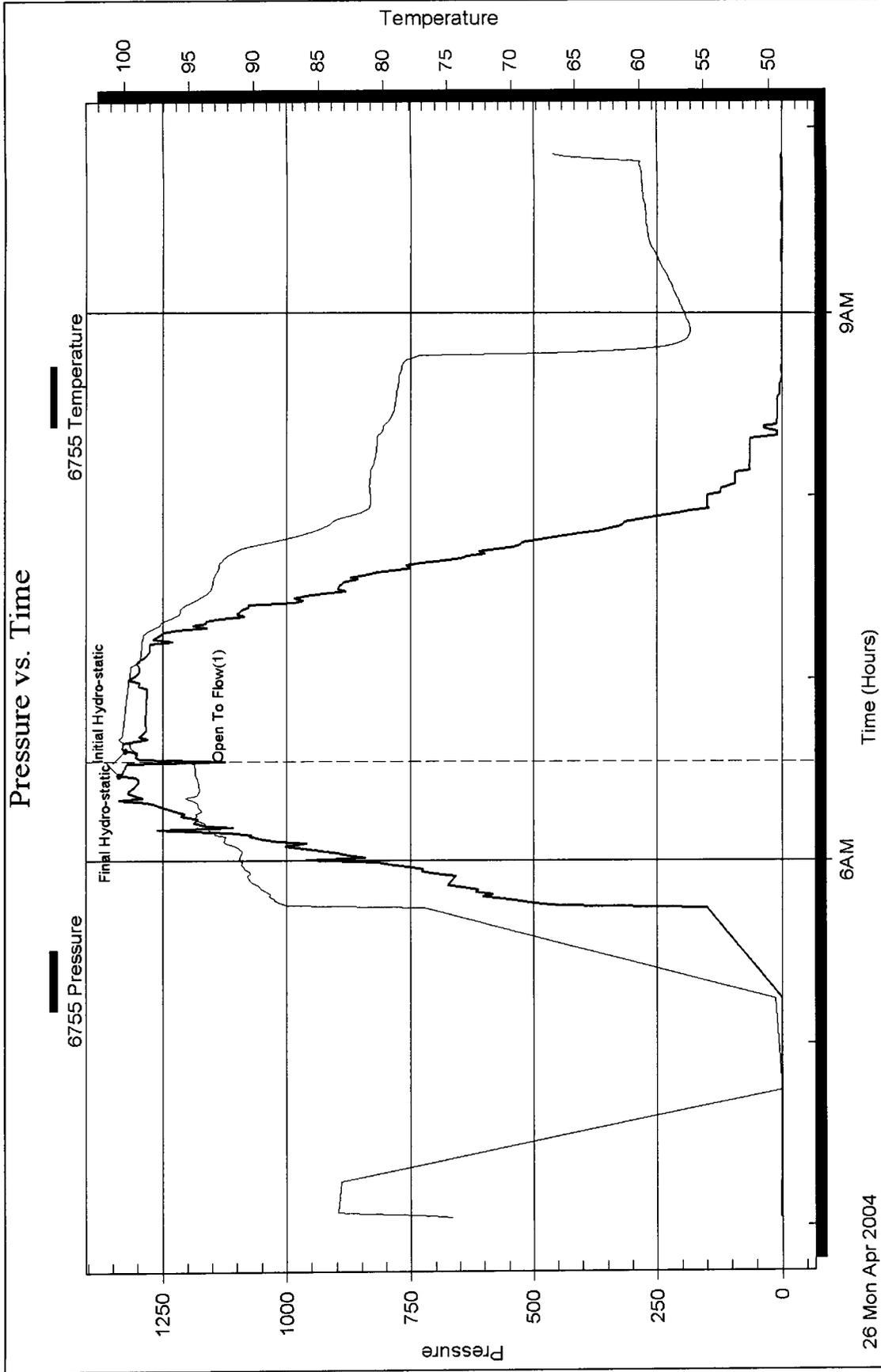
Total Length: 310.00 ft Total Volume: 3.255 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 6755

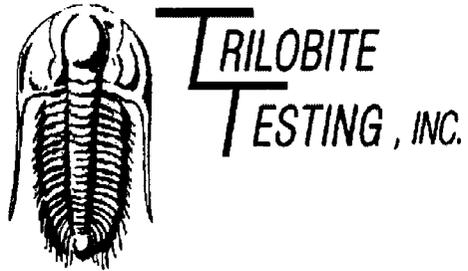
Inside CMX Inc.

35-30s-13w Barber Ks

DST Test Number: 1



26 Mon Apr 2004



DRILL STEM TEST REPORT

Prepared For: **CMX Inc.**

150 N.Main Ste.1026
Wichita Ks. 67202

ATTN: Ken LeBlanc

35-30s-13w Barber Ks

Hartley #1

Start Date: 2004.04.26 @ 20:40:24

End Date: 2004.04.27 @ 05:12:24

Job Ticket #: 18985 DST #: 2

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

CMX Inc.

Hartley #1

35-30s-13w Barber Ks

DST # 2

Oread

2004.04.26



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

CMX Inc.
150 N.Main Ste.1026
Wichita Ks. 67202
ATTN: Ken LeBlanc

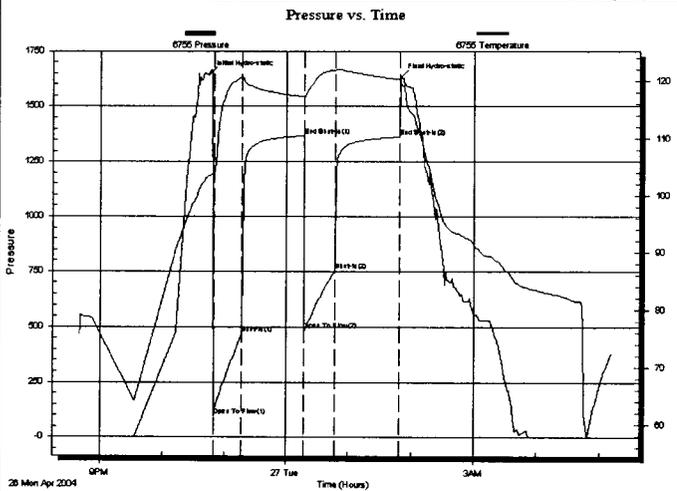
Hartley #1
35-30s-13w Barber Ks
Job Ticket: 18985 **DST#: 2**
Test Start: 2004.04.26 @ 20:40:24

GENERAL INFORMATION:

Formation: **Oread**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:49:09
Time Test Ended: 05:12:24
Interval: **3490.00 ft (KB) To 3580.00 ft (KB) (TVD)**
Total Depth: 3580.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 23
Reference Elevations: 1798.00 ft (KB)
1788.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6755 **Inside**
Press@RunDepth: 754.92 psig @ 3491.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2004.04.26 End Date: 2004.04.27 Last Calib.: 2004.04.27
Start Time: 20:40:29 End Time: 05:12:23 Time On Btm: 2004.04.26 @ 22:44:54
Time Off Btm: 2004.04.27 @ 01:49:39

TEST COMMENT: F:Strong blow . B.O.B. in 2.5 mins.
IS:Weak blow . 1 - 4".
FF:Strong blow .B.O.B. in 2 mins.
FS:Weak blow . 1 - 4".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1643.52	103.55	Initial Hydro-static
5	98.31	103.73	Open To Flow (1)
33	467.94	120.76	Shut-In(1)
93	1367.82	117.37	End Shut-In(1)
93	483.92	117.23	Open To Flow (2)
123	754.92	121.94	Shut-In(2)
184	1362.58	120.32	End Shut-In(2)
185	1631.53	119.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1155.00	MW with oil spks. 7% m 93% w Rw .13 oh 14.56:	
0.00	51 deg. F.	0.00
375.00	SO&GCWM 2% o 15% g 23% w 60% m	5.26
120.00	GOCM 20% g 6% o 74% m	1.68

Gas Rates

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



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TOOL DIAGRAM

CMX Inc.
150 N.Main Ste.1026
Wichita Ks. 67202
ATTN: Ken LeBlanc

Hartley #1
35-30s-13w Barber Ks
Job Ticket: 18985 **DST#: 2**
Test Start: 2004.04.26 @ 20:40:24

Tool Information

Drill Pipe:	Length: 3316.00 ft	Diameter: 3.80 inches	Volume: 46.51 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 47.40 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3490.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.00 ft			
Tool Length:	112.00 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			3469.00	
Shut In Tool	5.00			3474.00	
Hydraulic tool	5.00			3479.00	
Safety Joint	2.00			3481.00	
Packer	4.00			3485.00	22.00 Bottom Of Top Packer
Packer	5.00			3490.00	
Stubb	1.00			3491.00	
Recorder	0.00	6755	Inside	3491.00	
Perforations	3.00			3494.00	
Change Over Sub	1.00			3495.00	
Blank Spacing	63.00			3558.00	
Change Over Sub	1.00			3559.00	
Perforations	16.00			3575.00	
Recorder	0.00	13222	Outside	3575.00	
Bullnose	5.00			3580.00	90.00 Bottom Packers & Anchor

Total Tool Length: 112.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc.
150 N.Main Ste.1026
Wichita Ks. 67202
ATTN: Ken LeBlanc

Hartley #1
35-30s-13w Barber Ks
Job Ticket: 18985 **DST#: 2**
Test Start: 2004.04.26 @ 20:40:24

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:	91000 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.96 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1155.00	MW with oil spks. 7% <i>m</i> 93% <i>w</i> R _w .13 ohms (14.562
0.00	51 deg. F.	0.000
375.00	SO&GCWM 2% <i>o</i> 15% <i>g</i> 23% <i>w</i> 60% <i>m</i>	5.260
120.00	GOCM 20% <i>g</i> 6% <i>o</i> 74% <i>m</i>	1.683

Total Length: 1650.00 ft Total Volume: 21.505 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6755

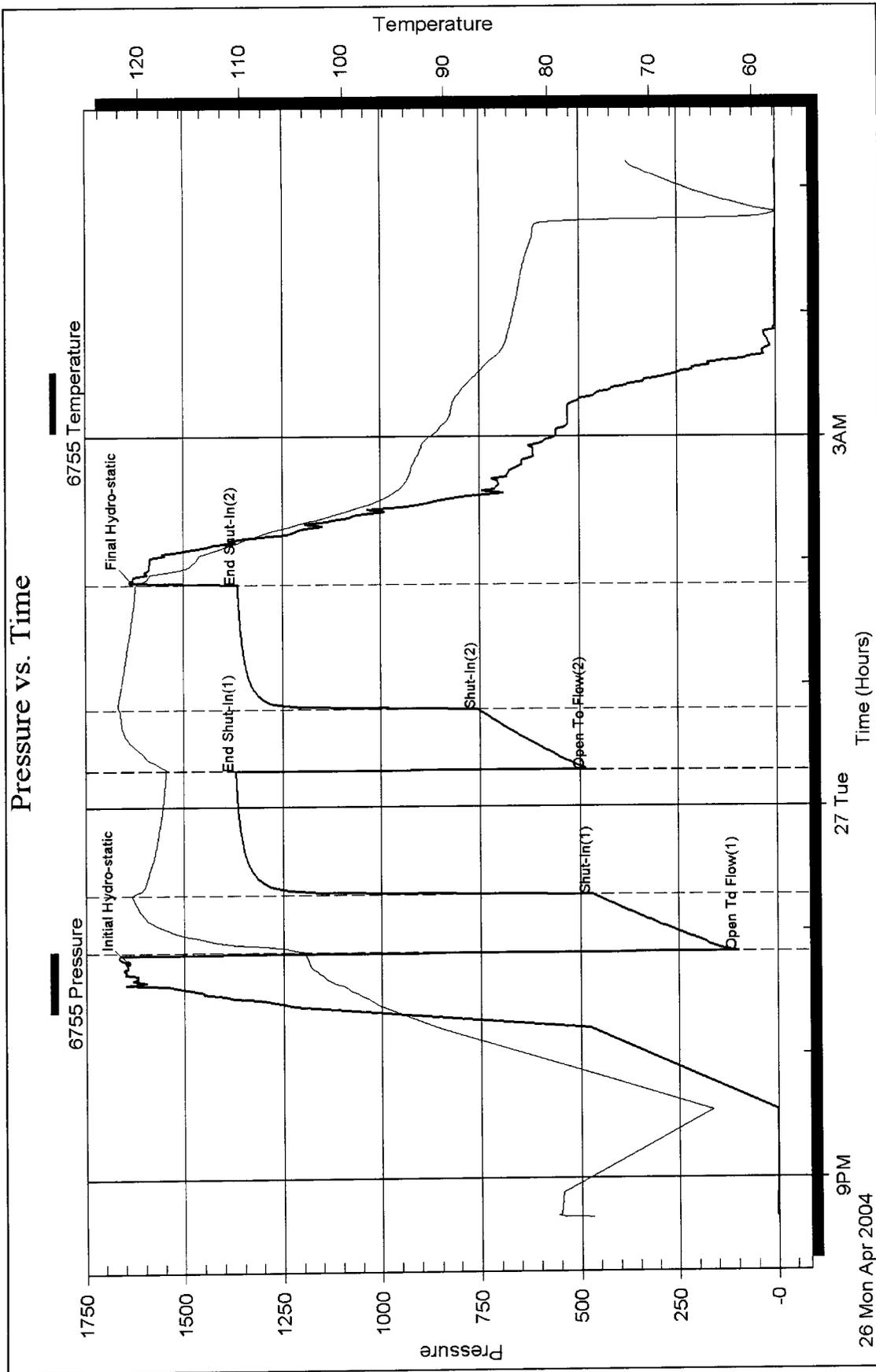
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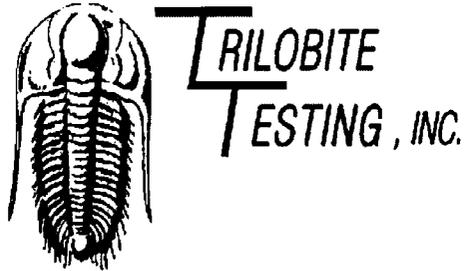
CMX Inc.

35-30s-13w Barber Ks

DST Test Number: 2

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **CMX Inc.**

150 N.Main Ste.1026
Wichita Ks. 67202

ATTN: Ken LeBlanc

35-30s-13w Barber Ks

Hartley #1

Start Date: 2004.04.28 @ 01:07:46

End Date: 2004.04.28 @ 09:40:16

Job Ticket #: 18986 DST #: 3

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

CMX Inc.

Hartley #1

35-30s-13w Barber Ks

DST # 3

Douglas

2004.04.28



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

CMX Inc.
150 N.Main Ste.1026
Wichita Ks. 67202

ATTN: Ken LeBlanc

Hartley #1
35-30s-13w Barber Ks
Job Ticket: 18986 **DST#: 3**
Test Start: 2004.04.28 @ 01:07:46

GENERAL INFORMATION:

Formation: **Douglas**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:43:16
Time Test Ended: 09:40:16

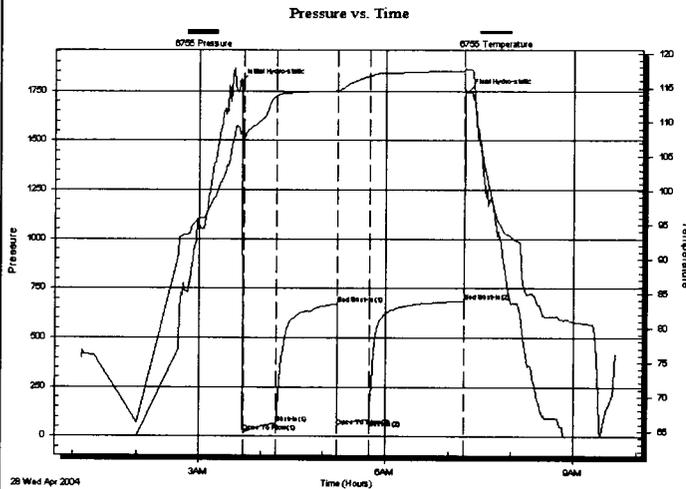
Interval: **3748.00 ft (KB) To 3770.00 ft (KB) (TVD)**
Total Depth: 3770.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 23

Reference Elevations: 1798.00 ft (KB)
1788.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6755 **Inside**
Press@RunDepth: 86.33 psig @ 3749.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2004.04.28 End Date: 2004.04.28 Last Calib.: 2004.04.28
Start Time: 01:07:51 End Time: 09:40:16 Time On Btm: 2004.04.28 @ 03:39:46
Time Off Btm: 2004.04.28 @ 07:17:16

TEST COMMENT: IF: Strong blow .B.O.B.in 3 mins.
IS: Weak blow . 1/4".
FF: Strong blow . B.O.B.in 10 secs.GTS in 28 mins.Approx.7MCF/day.
FSI: Weak blow . 1/2 - 1".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1793.76	108.31	Initial Hydro-static
4	22.62	107.79	Open To Flow (1)
35	66.50	113.78	Shut-In (1)
94	671.65	114.59	End Shut-In (1)
95	51.20	114.41	Open To Flow (2)
125	86.33	116.69	Shut-In (2)
215	684.21	117.46	End Shut-In (2)
218	1745.17	117.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
210.00	GCM 8%g 92%m	1.31

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

Hartley #1
35-30s-13w Barber Ks
Job Ticket: 18986 **DST#: 3**
Test Start: 2004.04.28 @ 01:07:46

Tool Information

Drill Pipe:	Length: 3567.00 ft	Diameter: 3.80 inches	Volume: 50.04 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 50.93 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3748.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	49.00 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			3722.00	
Shut In Tool	5.00			3727.00	
Hydraulic tool	5.00			3732.00	
Jars	5.00			3737.00	
Safety Joint	2.00			3739.00	
Packer	4.00			3743.00	27.00 Bottom Of Top Packer
Packer	5.00			3748.00	
Stubb	1.00			3749.00	
Recorder	0.00	6755	inside	3749.00	
Perforations	16.00			3765.00	
Recorder	0.00	13222	Outside	3765.00	
Bullnose	5.00			3770.00	22.00 Bottom Packers & Anchor

Total Tool Length: 49.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

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150 N.Main Ste.1026
Wichita Ks. 67202

ATTN: Ken LeBlanc

Hartley #1
35-30s-13w Barber Ks
Job Ticket: 18986 **DST#: 3**
Test Start: 2004.04.28 @ 01:07:46

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:	3000 ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.57 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
210.00	GCM 8%g 92%m	1.306

Total Length: 210.00 ft Total Volume: 1.306 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: npne
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 6755

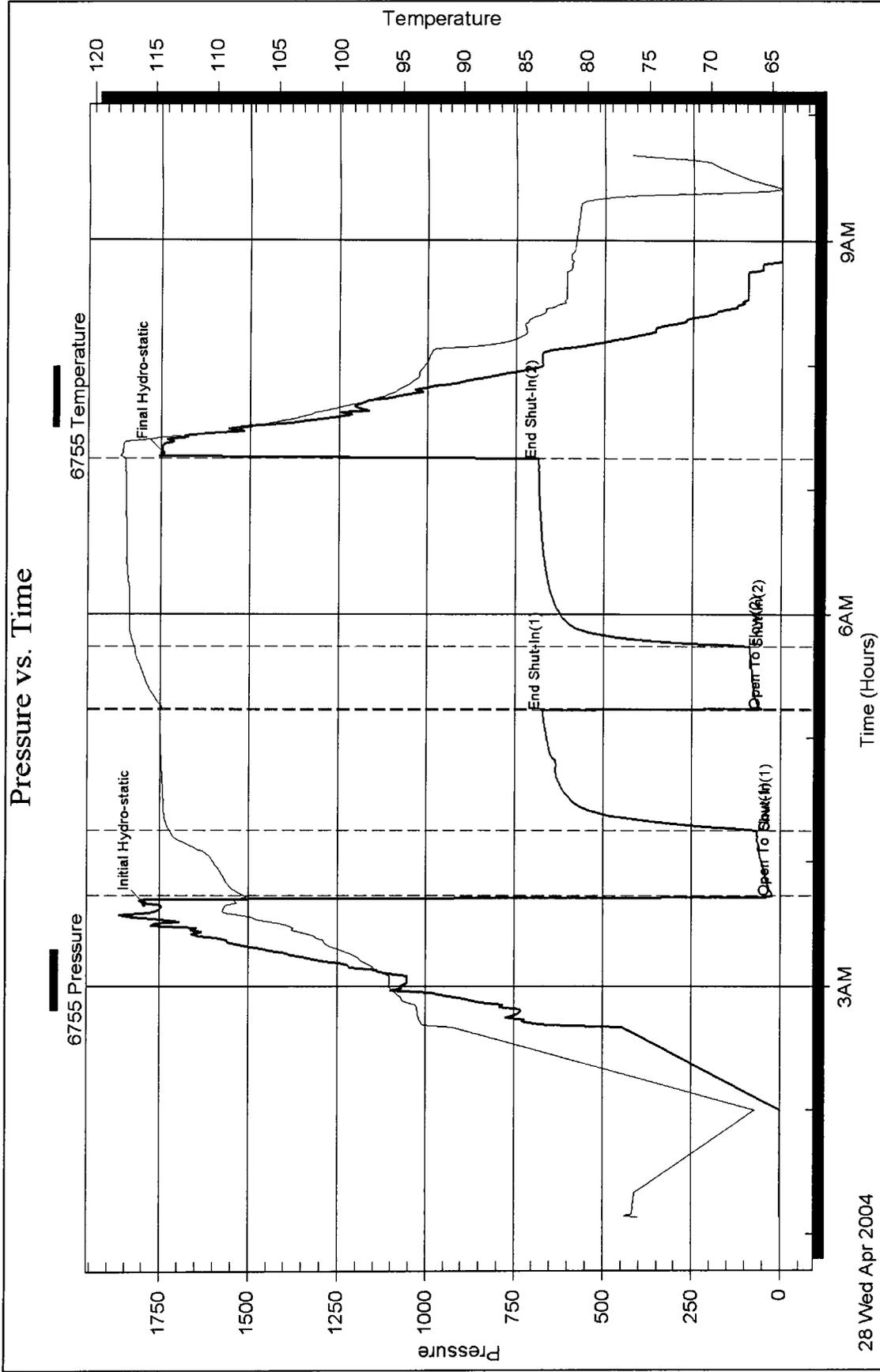
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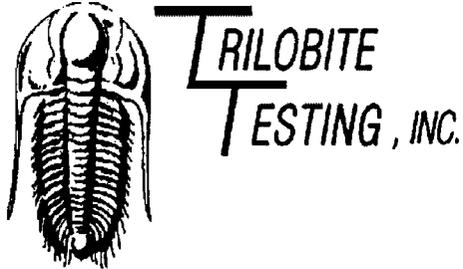
CMX Inc.

35-30s-13w Barber Ks

DST Test Number: 3

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **CMX Inc.**

150 N.Main Ste.1026
Wichita Ks. 67202

ATTN: Ken LeBlanc

35-30s-13w Barber Ks

Hartley #1

Start Date: 2004.04.28 @ 21:40:20

End Date: 2004.04.29 @ 04:34:35

Job Ticket #: 18987 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

CMX Inc.

Hartley #1

35-30s-13w Barber Ks

DST # 4

Lwr. Douglas

2004.04.28



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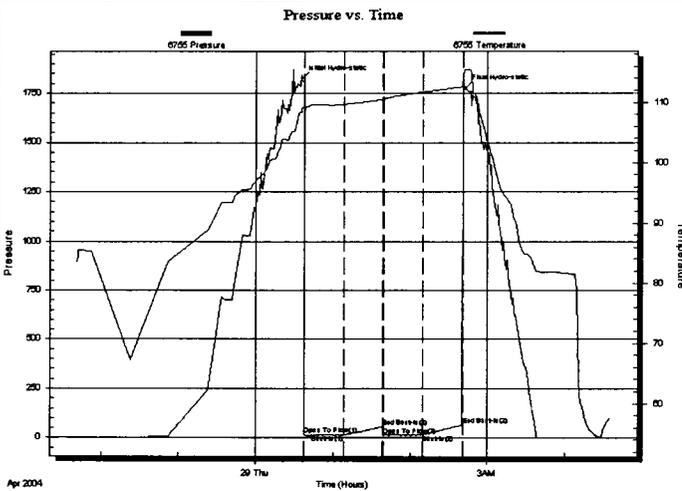
Hartley #1
35-30s-13w Barber Ks
Job Ticket: 18987 **DST#: 4**
Test Start: 2004.04.28 @ 21:40:20

GENERAL INFORMATION:

Formation: **Lwr.Douglas**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:37:35
Time Test Ended: 04:34:35
Interval: **3817.00 ft (KB) To 3828.00 ft (KB) (TVD)**
Total Depth: 3828.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 23
Reference Elevations: 1798.00 ft (KB)
1788.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6755 Inside
Press@RunDepth: 15.45 psig @ 3818.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2004.04.28 End Date: 2004.04.29 Last Calib.: 2004.04.29
Start Time: 21:40:25 End Time: 04:34:34 Time On Btm: 2004.04.29 @ 00:35:20
Time Off Btm: 2004.04.29 @ 02:42:05

TEST COMMENT: IF:Weak blow . 1/2 - 2".
IS:No blow .
FF:Weak blow . 1/2 - 2".
FS:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1824.94	108.83	Initial Hydro-static
3	18.18	108.26	Open To Flow (1)
33	15.26	109.66	Shut-In(1)
63	57.68	110.50	End Shut-In(1)
64	12.93	110.48	Open To Flow (2)
94	15.45	111.72	Shut-In(2)
126	66.41	112.60	End Shut-In(2)
127	1774.53	115.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	Mud	0.12

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

Hartley #1
35-30s-13w Barber Ks
Job Ticket: 18987 **DST#: 4**
Test Start: 2004.04.28 @ 21:40:20

Tool Information

Drill Pipe:	Length: 3628.00 ft	Diameter: 3.80 inches	Volume: 50.89 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 51.78 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3817.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	33.00 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			3796.00	
Shut In Tool	5.00			3801.00	
Hydraulic tool	5.00			3806.00	
Safety Joint	2.00			3808.00	
Packer	4.00			3812.00	22.00 Bottom Of Top Packer
Packer	5.00			3817.00	
Stubb	1.00			3818.00	
Recorder	0.00	6755	Inside	3818.00	
Perforations	5.00			3823.00	
Recorder	0.00	13222	Outside	3823.00	
Bullnose	5.00			3828.00	11.00 Bottom Packers & Anchor

Total Tool Length: 33.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc.
150 N.Main Ste.1026
Wichita Ks. 67202
ATTN: Ken LeBlanc

Hartley #1
35-30s-13w Barber Ks
Job Ticket: 18987 **DST#: 4**
Test Start: 2004.04.28 @ 21:40:20

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:	300 ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	Mud	0.123

Total Length: 25.00 ft Total Volume: 0.123 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 6755

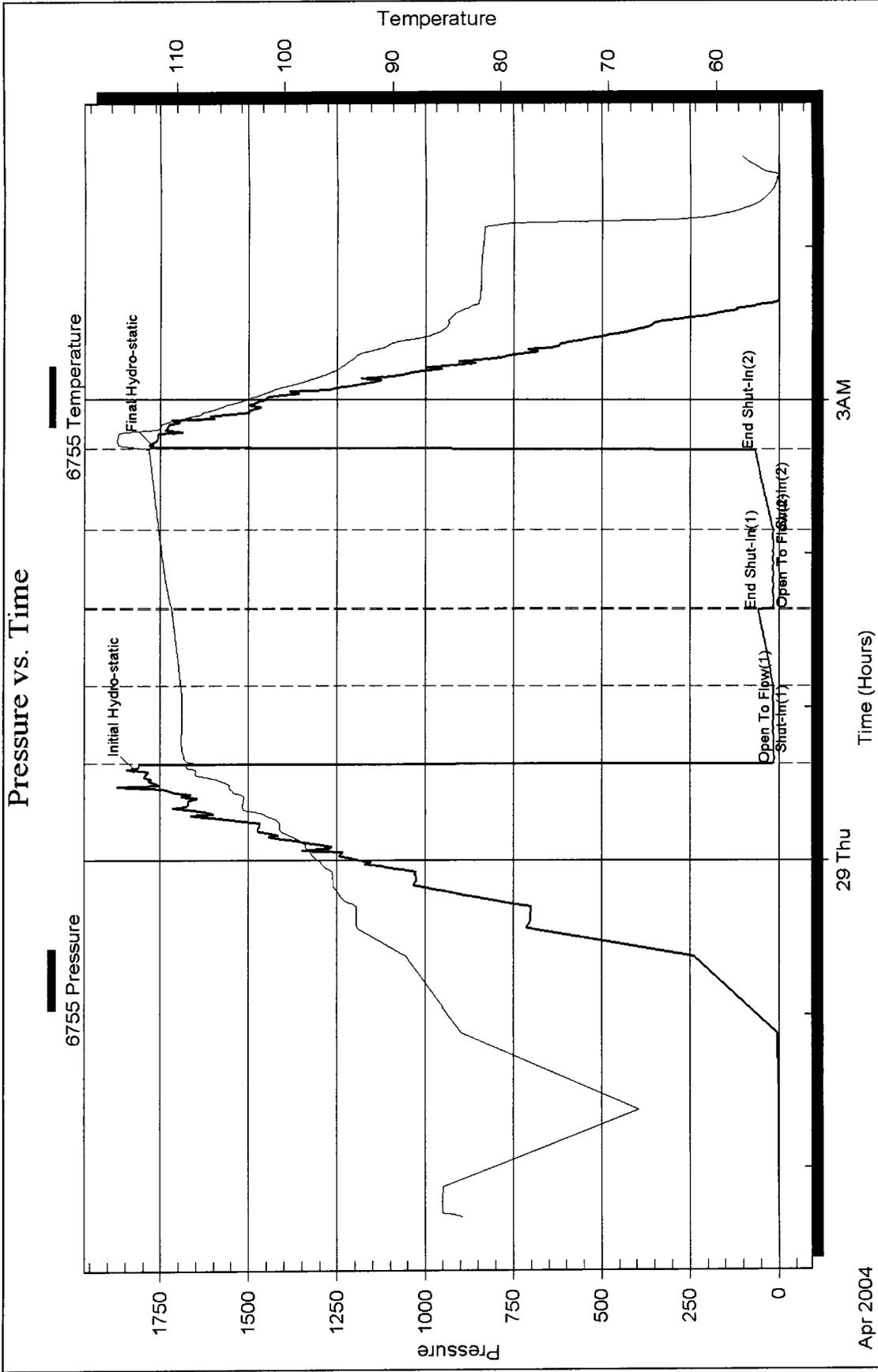
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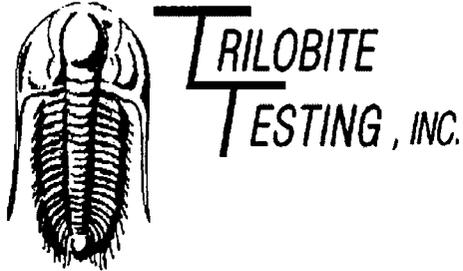
CMX Inc.

35-30s-13w Barber Ks

DST Test Number: 4

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **CMX Inc.**

150 N.Main Ste.1026
Wichita Ks. 67202

ATTN: Ken LeBlanc

35-30s-13w Barber Ks

Hartley #1

Start Date: 2004.04.29 @ 11:49:39

End Date: 2004.04.29 @ 18:11:09

Job Ticket #: 18988 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

CMX Inc.

Hartley #1

35-30s-13w Barber Ks

DST # 5

Lwr. Douglas

2004.04.29



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Inc.
150 N.Main Ste.1026
Wichita Ks. 67202
ATTN: Ken LeBlanc

Hartley #1
35-30s-13w Barber Ks
Job Ticket: 18988 **DST#: 5**
Test Start: 2004.04.29 @ 11:49:39

Tool Information

Drill Pipe:	Length: 3626.00 ft	Diameter: 3.80 inches	Volume: 50.86 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 61000.00 lb
			<u>Total Volume: 51.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3817.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	42.00 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			3796.00	
Shut In Tool	5.00			3801.00	
Hydraulic tool	5.00			3806.00	
Safety Joint	2.00			3808.00	
Packer	4.00			3812.00	22.00 Bottom Of Top Packer
Packer	5.00			3817.00	
Stubb	1.00			3818.00	
Recorder	0.00	6755	Inside	3818.00	
Perforations	14.00			3832.00	
Recorder	0.00	13222	Outside	3832.00	
Bullnose	5.00			3837.00	20.00 Bottom Packers & Anchor

Total Tool Length: 42.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc.
150 N.Main Ste.1026
Wichita Ks. 67202

ATTN: Ken LeBlanc

Hartley #1
35-30s-13w Barber Ks
Job Ticket: 18988 **DST#: 5**
Test Start: 2004.04.29 @ 11:49:39

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:	116000 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

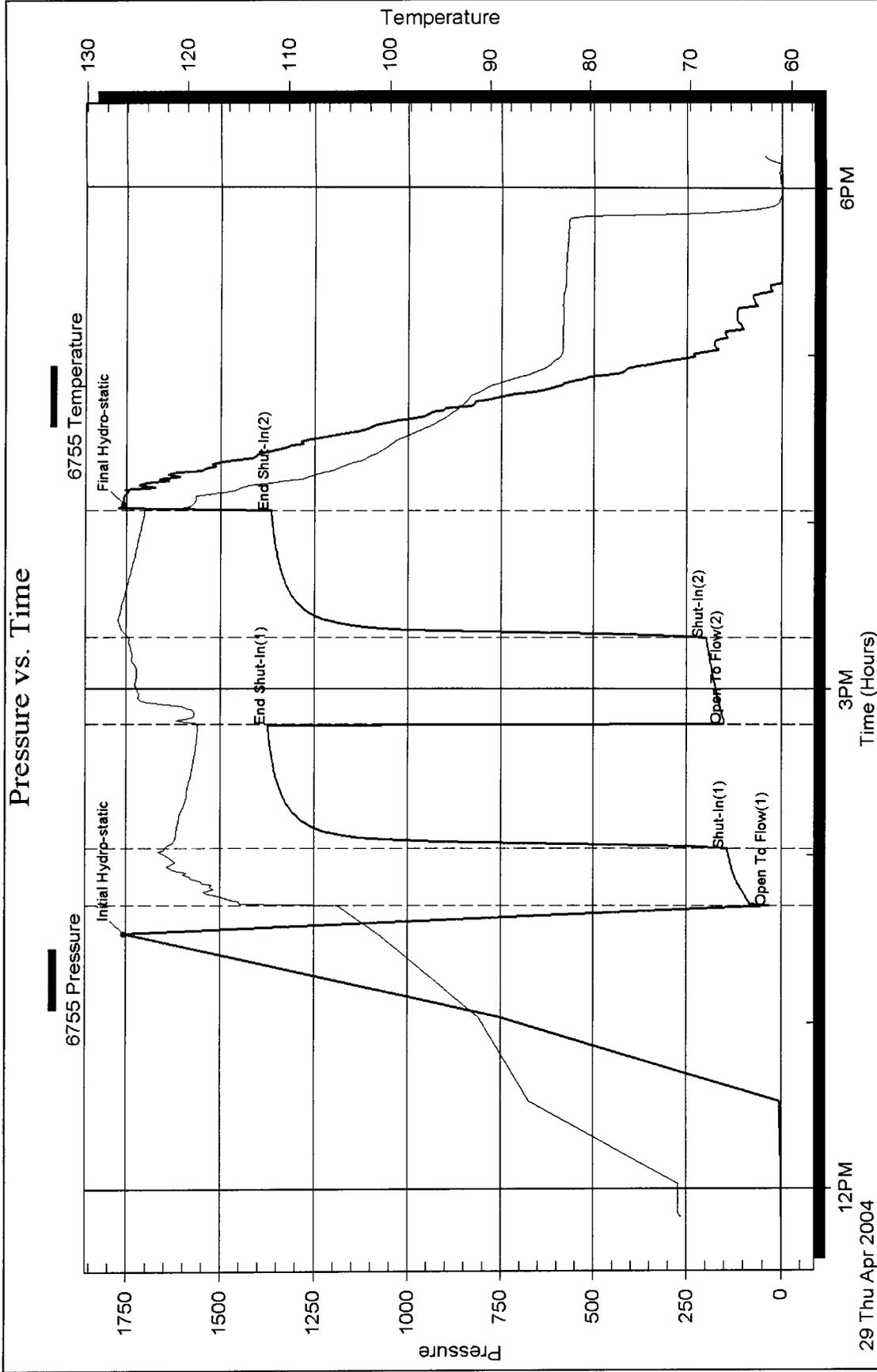
Length ft	Description	Volume bbl
280.00	MW 4% <i>m</i> 96% <i>w</i> Rw .095 ohms @ 54 deg	2.288
80.00	WM 20% <i>w</i> 80% <i>m</i>	1.122

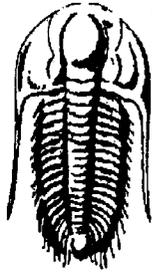
Total Length: 360.00 ft Total Volume: 3.410 bbl

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.**

150 N.Main Ste.1026
Wichita Ks. 67202

ATTN: Ken LeBlanc

35-30s-13w Barber Ks

Hartley #1

Start Date: 2004.05.01 @ 05:38:21

End Date: 2004.05.01 @ 12:40:06

Job Ticket #: 18989 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

CMX Inc.

Hartley #1

35-30s-13w Barber Ks

DST # 6

Miss.

2004.05.01



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

CMX Inc.
150 N.Main Ste.1026
Wichita Ks. 67202
ATTN: Ken LeBlanc

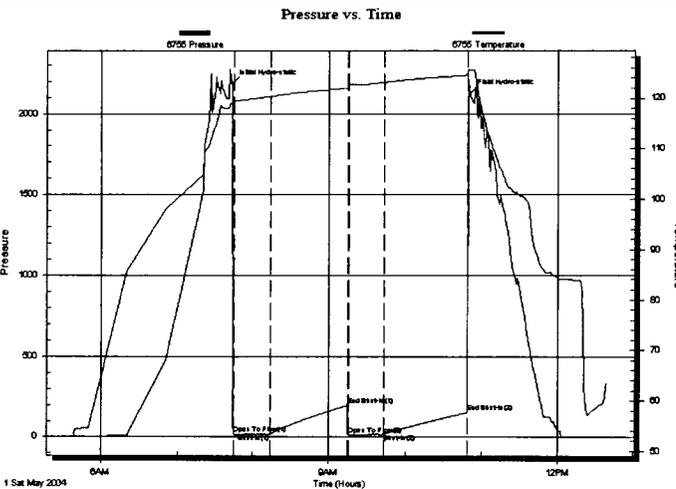
Hartley #1
35-30s-13w Barber Ks
Job Ticket: 18989 **DST#: 6**
Test Start: 2004.05.01 @ 05:38:21

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 07:44:51
Time Test Ended: 12:40:06
Interval: **4335.00 ft (KB) To 4390.00 ft (KB) (TVD)**
Total Depth: 4390.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 23
Reference Elevations: 1798.00 ft (KB)
1788.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6755 **Inside**
Press@RunDepth: 17.75 psig @ 4336.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2004.05.01 End Date: 2004.05.01 Last Calib.: 2004.05.01
Start Time: 05:38:26 End Time: 12:40:05 Time On Btm: 2004.05.01 @ 07:43:21
Time Off Btm: 2004.05.01 @ 10:50:36

TEST COMMENT: IF: Strong blow . (surging) B.O.B. in 7.7 mins.
IS: No blow .
FF: Fair blow . (surging) B.O.B. in 28 mins.
FS: No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2186.94	118.97	Initial Hydro-static
2	17.85	119.13	Open To Flow (1)
31	17.69	120.38	Shut-In (1)
92	196.27	122.05	End Shut-In (1)
92	15.80	122.25	Open To Flow (2)
120	17.75	123.14	Shut-In (2)
186	153.10	124.58	End Shut-In (2)
188	2126.42	125.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud	0.10
0.00	375 ft. of gas in pipe	0.00

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

Hartley #1
35-30s-13w Barber Ks
Job Ticket: 18989 **DST#: 6**
Test Start: 2004.05.01 @ 05:38:21

Tool Information

Drill Pipe:	Length: 4092.00 ft	Diameter: 3.80 inches	Volume: 57.40 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: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 58.58 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	4335.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	77.00 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			4314.00	
Shut In Tool	5.00			4319.00	
Hydraulic tool	5.00			4324.00	
Safety Joint	2.00			4326.00	
Packer	4.00			4330.00	22.00 Bottom Of Top Packer
Packer	5.00			4335.00	
Stubb	1.00			4336.00	
Recorder	0.00	6755	Inside	4336.00	
Perforations	5.00			4341.00	
Change Over Sub	1.00			4342.00	
Blank Spacing	31.00			4373.00	
Change Over Sub	1.00			4374.00	
Perforations	11.00			4385.00	
Recorder	0.00	13222	Outside	4385.00	
Bullnose	5.00			4390.00	55.00 Bottom Packers & Anchor

Total Tool Length: 77.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc.
150 N.Main Ste.1026
Wichita Ks. 67202

ATTN: Ken LeBlanc

Hartley #1
35-30s-13w Barber Ks
Job Ticket: 18989 **DST#: 6**
Test Start: 2004.05.01 @ 05:38:21

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	5000 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud	0.098
0.00	375 ft.of gas in pipe	0.000

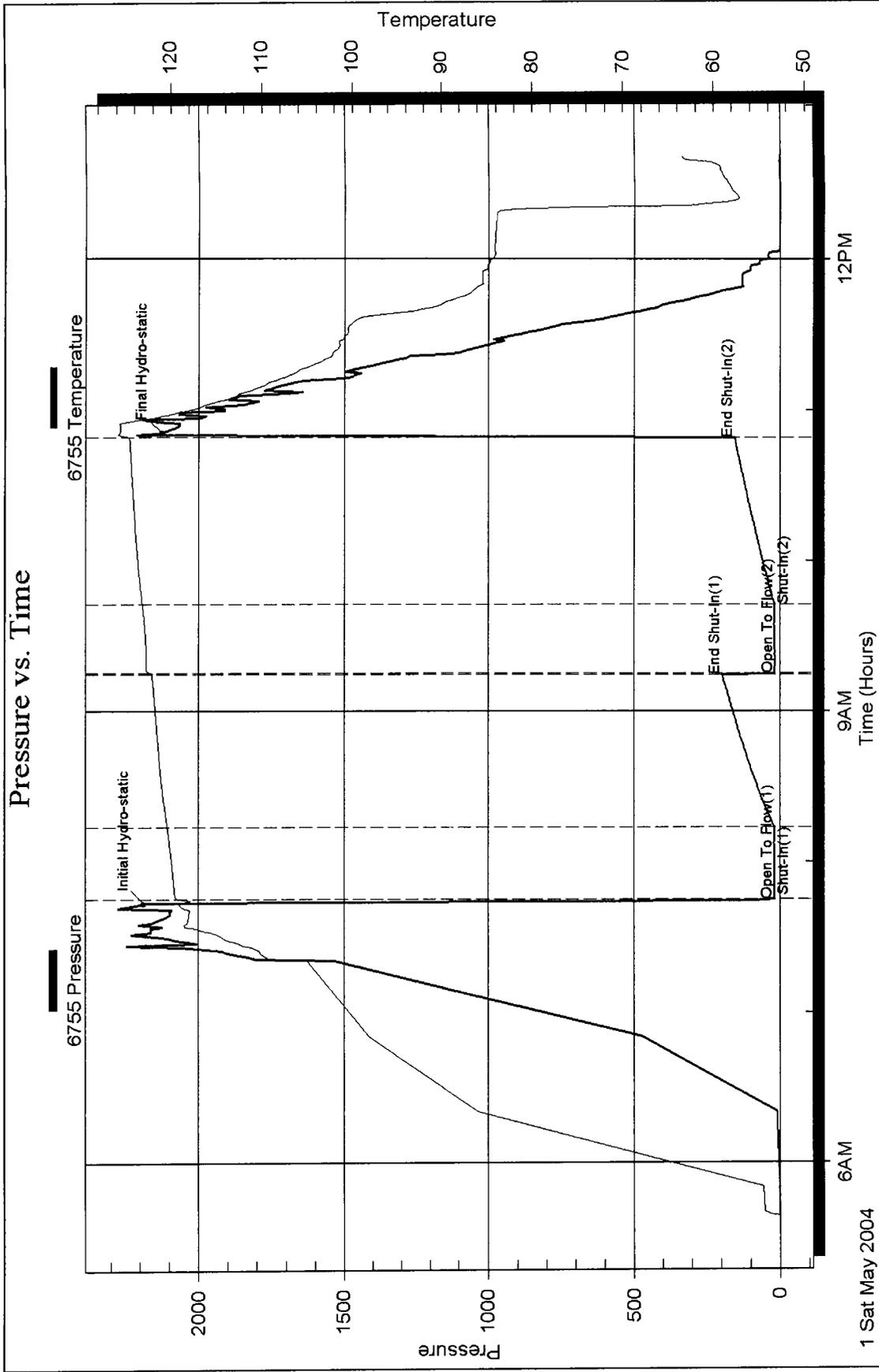
Total Length: 20.00 ft Total Volume: 0.098 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:

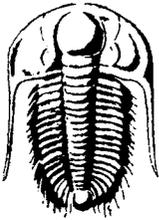
Serial #: 6755

Inside CMX Inc.

35-30s-13w Barber Ks

DST Test Number: 6





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV
6392

No. 18984

05/03

Test Ticket

Well Name & No. Hartley # 1 Test No. 1 Date 4-26-04
 Company CMX Inc. Zone Tested Tarkio
 Address 150 N. Main Ste. 1026, Wichita Ks. 67202 Elevation _____ KB _____ GL _____
 Co. Rep / Geo. Ken LeBlanc Cont. Southwind #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 35 Twp. 30S Rge. 13W Co. Barber State Ks.
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 2845 - 3050' Initial Str Wt./Lbs. 42,000 Unseated Str Wt./Lbs. 43,000
 Anchor Length 205' Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 65,000
 Top Packer Depth 2840' & 2845' Tool Weight 2100#
 Bottom Packer Depth 3050' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3400' Wt. Pipe Run None Drill Collar Run 120'
 Mud Wt. 8.8 LCM ~ Vis. 36 WL 19.0 Drill Pipe Size 4 1/2" Ft. Run 2729'
 Blow Description IF; strong blow. Packers failing. Picked up & re-set. Packers failed! Misrun!

Recovery - Total Feet 310 GIP 0 Ft. in DC 120 Ft. in DP 190
 Rec. 310 Feet of 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 N/A °F Gravity ~ °API D @ _____ °F Corrected Gravity ~ °API _____
 RW N.C. @ _____ °F Chlorides 9,000 ppm Recovery _____ Chlorides 9,000 ppm System _____

(A) Initial Hydrostatic Mud	AK-1 Alpine	1338 PSI	Recorder No.	6755	Test MISRUN ✓ 500 ⁰⁰
(B) First Initial Flow Pressure		1123 PSI	(depth)	2846	Elec. Rec. ✓ 150 ⁰⁰
(C) First Final Flow Pressure	MISRUN	_____ PSI	Recorder No.	10290	Jars _____
(D) Initial Shut-In Pressure		_____ PSI	(depth)	3046'	Safety Jt. ✓ 50 ⁰⁰
(E) Second Initial Flow Pressure		_____ PSI	Recorder No.	13222	Circ Sub _____
(F) Second Final Flow Pressure		_____ PSI	(depth)	3395'	Sampler _____
(G) Final Shut-In Pressure		_____ PSI	Initial Opening	_____	Straddle ✓ 250 ⁰⁰
(Q) Final Hydrostatic Mud		1324 PSI	Initial Shut-In	_____	Ext. Packer ✓ 150 ⁰⁰
			Final Flow	_____	Shale Packer _____
			Final Shut-In	_____	Mileage ✓ 25 ⁰⁰
			T-On Location	0 220	Sub Total: 1125⁰⁰
			T-Started	0402	Std. By _____
			T-Open	0632	Other _____
			T-Pulled	0655	Total: ✓ 1125 ⁰⁰
			T-Out	0951	

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Approved By Ken LeBlanc
 Our Representative Gary Dewdney

CHART PAGE

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

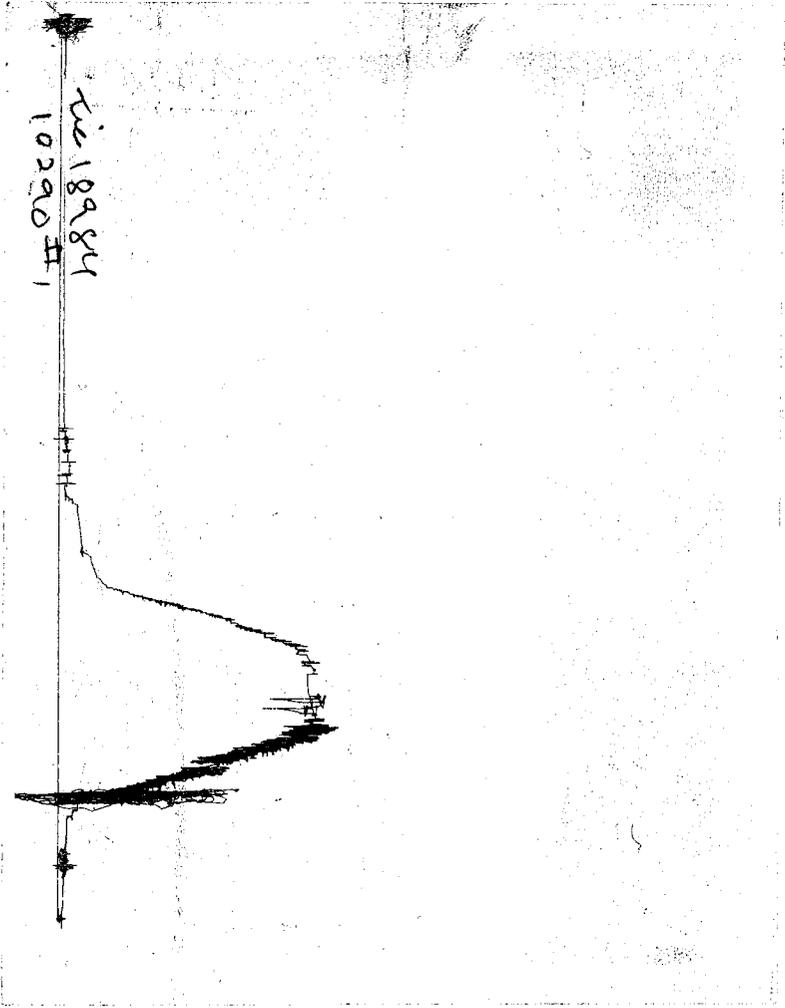
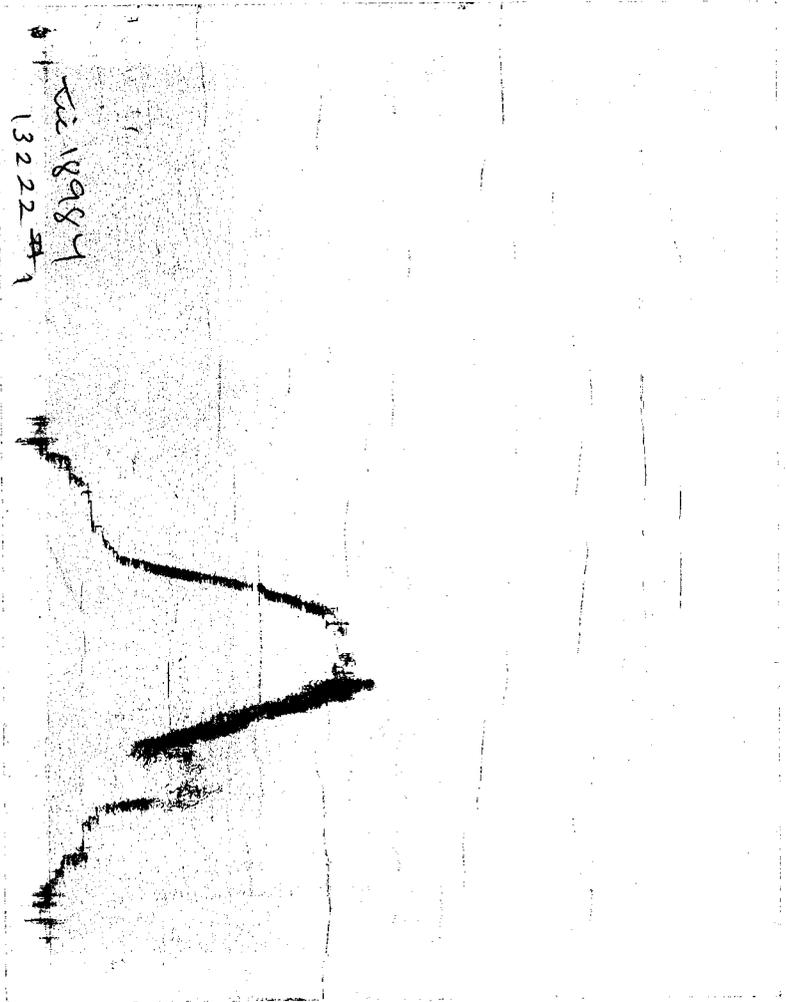
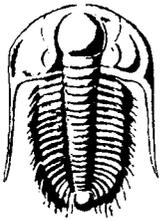


CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 18985

05/03

Test Ticket

Well Name & No. Hartley #1 Test No. 2 Date 4-26-04
 Company CMX Inc. Zone Tested Oread
 Address 150 N. Main Ste. 1026, Wichita / Co. 67202 Elevation 1798 KB 1788 GL
 Co. Rep / Geo. Ken Le Blanc Cont. Southwind #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 35 Twp. 30S Rge. 13W Co. Barber State Ks.
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3490 - 3580' Initial Str Wt./Lbs. 44,000 Unseated Str Wt./Lbs. 52,000
 Anchor Length 90' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 64,000
 Top Packer Depth 3485' Tool Weight 2100#
 Bottom Packer Depth 3490' Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3580' Wt. Pipe Run None Drill Collar Run 180'
 Mud Wt. 8.9 LCM Vis. 49 WL 8.0cc Drill Pipe Size 4 1/2" Ft. Run 3316
 Blow Description FF: Strong blow. B.O.B. in 2.5 mins. FSI: Weak below. 1-4".
FF: Strong blow. B.O.B. in 2 mins. FSI: Weak below. 1-4".

Recovery - Total Feet 1650 GIP 300' Ft. in DC 180 Ft. in DP 1470
 Rec. 120 Feet of GOCM 30 %gas 6 %oil _____ %water 74 %mud
 Rec. 375 Feet of SOEGCM 15 %gas 2 %oil 23 %water 60 %mud
 Rec. MSS Feet of Mud @ 0 speed. _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ _____ %gas _____ %oil _____ %water _____ %mud
 BHT 20 °F Gravity N/A °API D @ _____ °F Corrected Gravity N/A °API
 RW -13 @ 51 °F Chlorides 91,000 ppm Recovery _____ Chlorides 3,000 ppm System

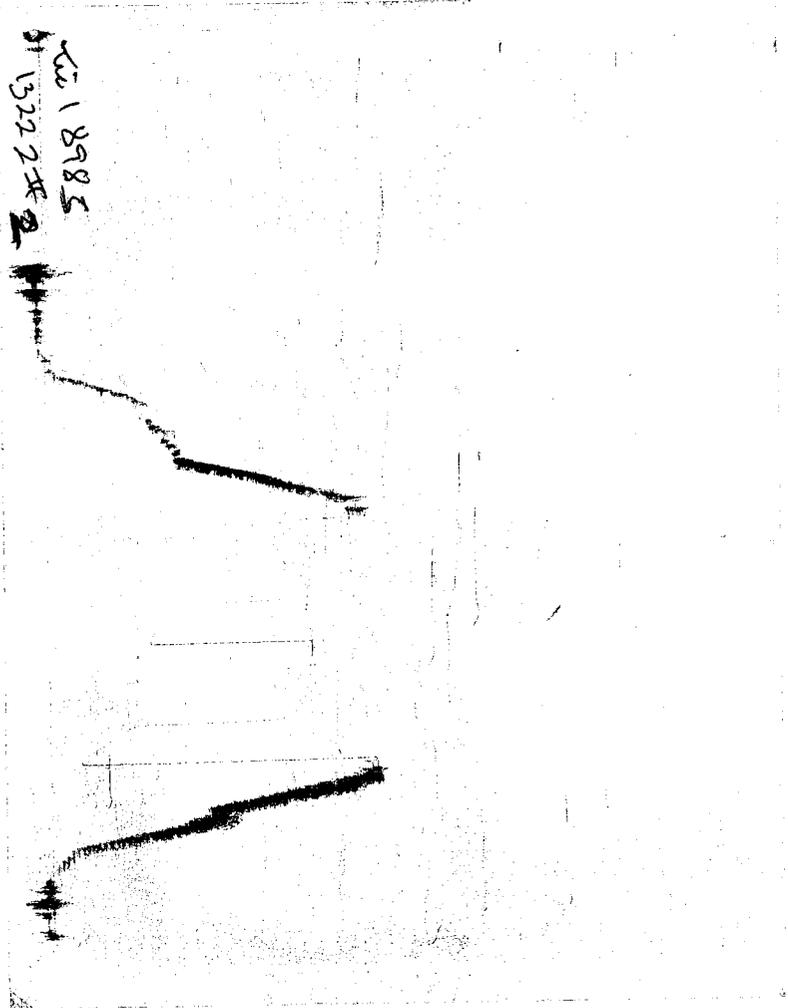
AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1644</u> PSI	<u>6755</u>	<u>700^{cc}</u>
(B) First Initial Flow Pressure	<u>98</u> PSI	<u>3491'</u>	<u>150^{cc}</u>
(C) First Final Flow Pressure	<u>468</u> PSI	<u>13222</u>	Jars _____
(D) Initial Shut-In Pressure	<u>1368</u> PSI	<u>3525'</u>	Safety Jt. <u>50^{cc}</u>
(E) Second Initial Flow Pressure	<u>484</u> PSI	_____	Circ Sub _____
(F) Second Final Flow Pressure	<u>755</u> PSI	_____	Sampler _____
(G) Final Shut-In Pressure	<u>1363</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1632</u> PSI	Initial Shut-In <u>60</u>	Ext. Packer _____
		Final Flow <u>30</u>	Shale Packer _____
		Final Shut-In <u>60</u>	Mileage <u>25^{cc}</u>
		T-On Location <u>19.50</u>	Sub Total: <u>942.50^{cc}</u>
		T-Started <u>20.40</u>	Std. By <u>30</u>
		T-Open <u>22.49</u>	Other _____
		T-Pulled <u>01.54</u>	Total: <u>972.50</u>
		T-Out <u>05.12</u>	

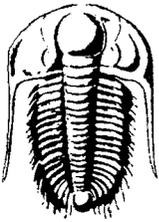
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Approved By Ken Le Blanc
 Our Representative Cory [Signature]

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 18986

05/03

Test Ticket

Well Name & No. Hartley #1 Test No. 3 Date 4-28-04
 Company CMX Inc. Zone Tested Douglas
 Address Wichita Ks. 67202 Elevation 1998^{KB} 1788 GL
 Co. Rep / Geo. Ken LaBlanc Cont. Southwind #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 35 Twp. 30^S Rge. 13^W Co. Barber State Ks.
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3748 - 3770' Initial Str Wt./Lbs. 44,000 Unseated Str Wt./Lbs. 48,000
 Anchor Length 22' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 62,000
 Top Packer Depth 3743' Tool Weight 2100^{lb}
 Bottom Packer Depth 3748' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3770' Wt. Pipe Run None Drill Collar Run 180
 Mud Wt. 9.0 LCM 4[#] Vis. 59 WL 9.6cc Drill Pipe Size 4 1/2" Ft. Run 3567
 Blow Description IF; Strong blow. B.O.B. in 3 mins. ISI weak below. 1/4".

FF: Strong Blow. B.O.B. in 10 sec. GTS in 28 mins. APPROX. 7 mcf/day.
ESI: weak below. 1/2 - 1".

Recovery - Total Feet 210 GIP yes Ft. in DC 180 Ft. in DP 30
 Rec. 210 Feet of GCM %gas 8 %oil _____ %water 92 %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 117 °F Gravity N/A °API D @ ~ °F Corrected Gravity N/A °API _____
 RW N.C. @ ~ °F Chlorides 3,000 ppm Recovery _____ Chlorides 3,000 ppm System _____

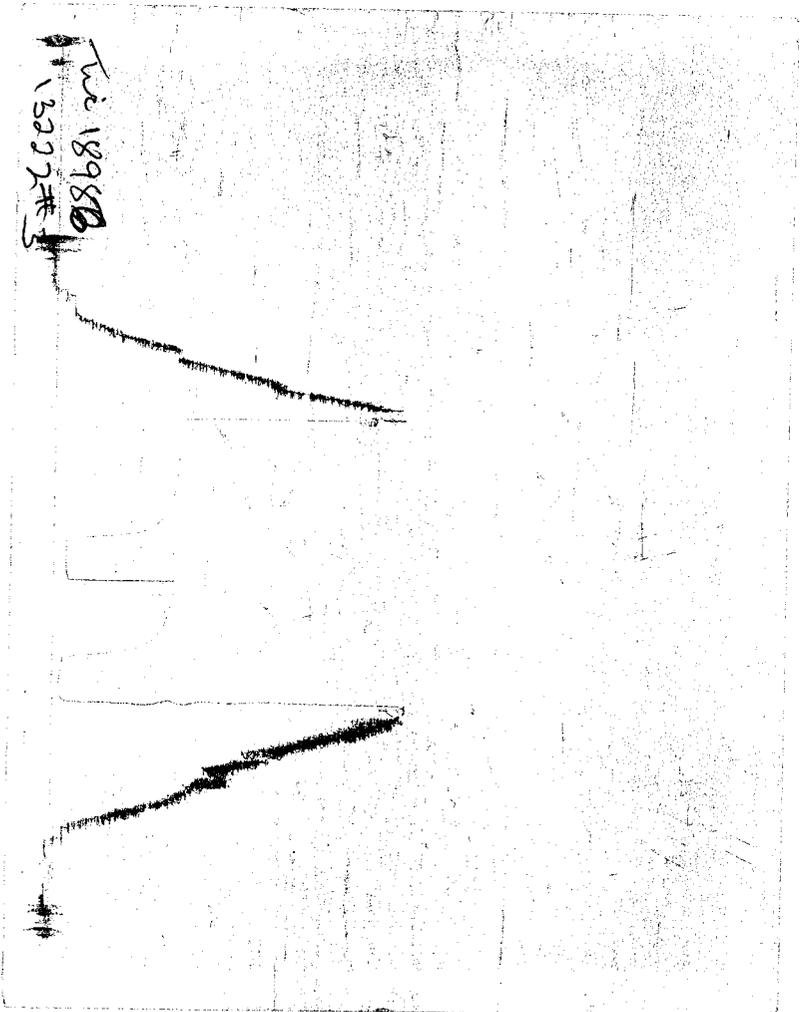
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1794</u> PSI		<u>6755</u>	<u>7000⁰⁰</u>
(B) First Initial Flow Pressure	<u>23</u> PSI		(depth) <u>3749'</u>	Elec. Rec. <u>150⁰⁰</u>
(C) First Final Flow Pressure	<u>67</u> PSI		Recorder No. <u>13222</u>	Jars <u>200⁰⁰</u>
(D) Initial Shut-In Pressure	<u>672</u> PSI		(depth) <u>3765'</u>	Safety Jt. <u>50⁰⁰</u>
(E) Second Initial Flow Pressure	<u>51</u> PSI		Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>86</u> PSI		(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>684</u> PSI	Initial Opening	<u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1745</u> PSI	Initial Shut-In	<u>60</u>	Ext. Packer _____
		Final Flow	<u>30</u>	Shale Packer _____
		Final Shut-In	<u>90</u>	Mileage <u>40.50²⁵</u>
		T-On Location	<u>0058</u>	Sub Total: <u>1142.50</u>
		T-Started	<u>0107</u>	Std. By <u>30⁰⁰</u>
		T-Open	<u>0343</u>	Other _____
		T-Pulled	<u>0716</u>	Total: <u>1172.50</u>
		T-Out	<u>0940</u>	

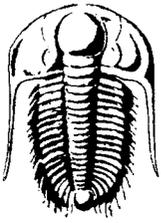
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Approved By Ken LaBlanc
 Our Representative Gary Swartz

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 18987

05/03

Test Ticket

Well Name & No. Hartley #1 Test No. 4 Date 4-28-04
 Company CMX Inc. Zone Tested Lower Douglas
 Address White Ks. 67202 Elevation 1798 KB 1788 GL
 Co. Rep / Geo. Ken LeBlanc Cont. Southwind #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 35 Twp. 30S Rge. 13W Co. Barton State Ka.
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3817 - 3828' Initial Str Wt./Lbs. 47,000 Unseated Str Wt./Lbs. 47,000
 Anchor Length 11' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 86,000
 Top Packer Depth 3812' Tool Weight 2100#
 Bottom Packer Depth 3817' Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3828' Wt. Pipe Run None Drill Collar Run 180
 Mud Wt. 9.0 LCM 4# Vis. 44 WL 9.6cc Drill Pipe Size 4 1/2" Ft. Run 3828
 Blow Description IF: Weak below. 1/2 - 2". FSI: No below.

FF: Weak below. 1/2 - 2". FSI: No below.

Recovery - Total Feet 25' GIP 0 Ft. in DC 25 Ft. in DP 0
 Rec. 25 Feet of 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 113 °F Gravity N/A °API D @ _____ °F Corrected Gravity N/A °API
 RW N.C. @ _____ °F Chlorides 7,000 ppm Recovery _____ Chlorides 3,000 ppm System

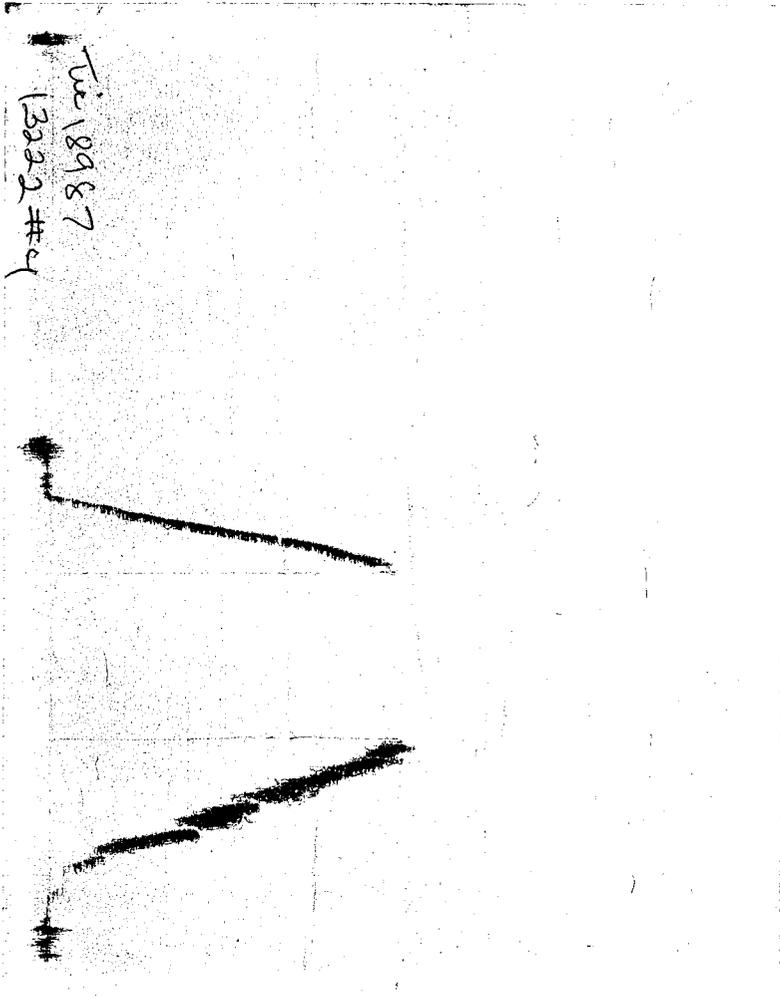
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1825</u> PSI	<u>6755</u>	<input checked="" type="checkbox"/> <u>700</u>
(B) First Initial Flow Pressure		<u>18</u> PSI	(depth) <u>3818'</u>	Elec. Rec. <input checked="" type="checkbox"/> <u>150</u>
(C) First Final Flow Pressure		<u>15</u> PSI	Recorder No. <u>13222</u>	Jars _____
(D) Initial Shut-In Pressure		<u>58</u> PSI	(depth) <u>3823'</u>	Safety Jt. <input checked="" type="checkbox"/> <u>50</u>
(E) Second Initial Flow Pressure		<u>13</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>15</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>46</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1775</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>30</u>	Shale Packer _____
			Final Shut-In <u>30</u>	Mileage <input checked="" type="checkbox"/> <u>25</u>
			T-On Location <u>2100</u>	Sub Total: <u>925.00</u>
			T-Started <u>2140</u>	Std. By <u>942.50</u>
			T-Open <u>0037</u>	Other _____
			T-Pulled <u>0244</u>	Total: <input checked="" type="checkbox"/> <u>925.00</u>
			T-Out <u>0434</u>	

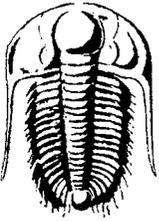
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Approved By Ken LeBlanc
Our Representative Gary Pennington

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 18988

05/03

Test Ticket

Well Name & No. Hardley # 1 Test No. S Date 4-29-04
 Company CMX Inc. Zone Tested Lower Douglas
 Address Wichita Ks. 67202 Elevation 1798 KB 1788 GL
 Co. Rep / Geo. Ken Le Blanc Cont. Southwind #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 35 Twp. 30S Rge. 13 W Co. Barber State Ks.
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3817 - 3837' Initial Str Wt./Lbs. 50,000 Unseated Str Wt/Lbs. 51,000
 Anchor Length 20' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 6,000
 Top Packer Depth 3812' Tool Weight 2100#
 Bottom Packer Depth 3817' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3837' Wt. Pipe Run None Drill Collar Run 180
 Mud Wt. 8.9 LCM 3# Vis. 46 WL 9.6 cc. Drill Pipe Size 4 1/2" Ft. Run 3626'
 Blow Description IF: Strong blow B.O.B. in 3 mins. ISI: No below

FF: Weak to fair blow, slow increase to 8". FSI: No below.

Recovery - Total Feet 360 GIP 0 Ft. in DC 180 Ft. in DP 180
 Rec. 80 Feet of WM %gas _____ %oil 20 %water 80 %mud _____
 Rec. 280 Feet of MW %gas _____ %oil 96 %water 4 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 124 °F Gravity N/A °API D @ _____ °F Corrected Gravity N/A °API _____
 RW 1095 @ 54 °F Chlorides 116,000 ppm Recovery _____ Chlorides 5,000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1757</u> PSI	<u>6755</u>	<u>✓ 700</u>
(B) First Initial Flow Pressure		<u>32</u> PSI	<u>(depth) 3818'</u>	<u>✓ 150</u>
(C) First Final Flow Pressure		<u>143</u> PSI	<u>Recorder No. 13222</u>	Jars _____
(D) Initial Shut-In Pressure		<u>1394</u> PSI	<u>(depth) 3832'</u>	Safety Jt. <u>✓ 50</u>
(E) Second Initial Flow Pressure		<u>152</u> PSI	<u>Recorder No. -</u>	Circ Sub _____
(F) Second Final Flow Pressure		<u>200</u> PSI	<u>(depth) -</u>	Sampler _____
(G) Final Shut-In Pressure		<u>1365</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1757</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>42.50</u>
			T-On Location <u>1141</u>	Sub Total: _____
			T-Started <u>1149</u>	Std. By <u>942.50</u>
			T-Open <u>1341</u>	Other _____
			T-Pulled <u>1608</u>	Total: <u>925.00</u>
			T-Out <u>1811</u>	

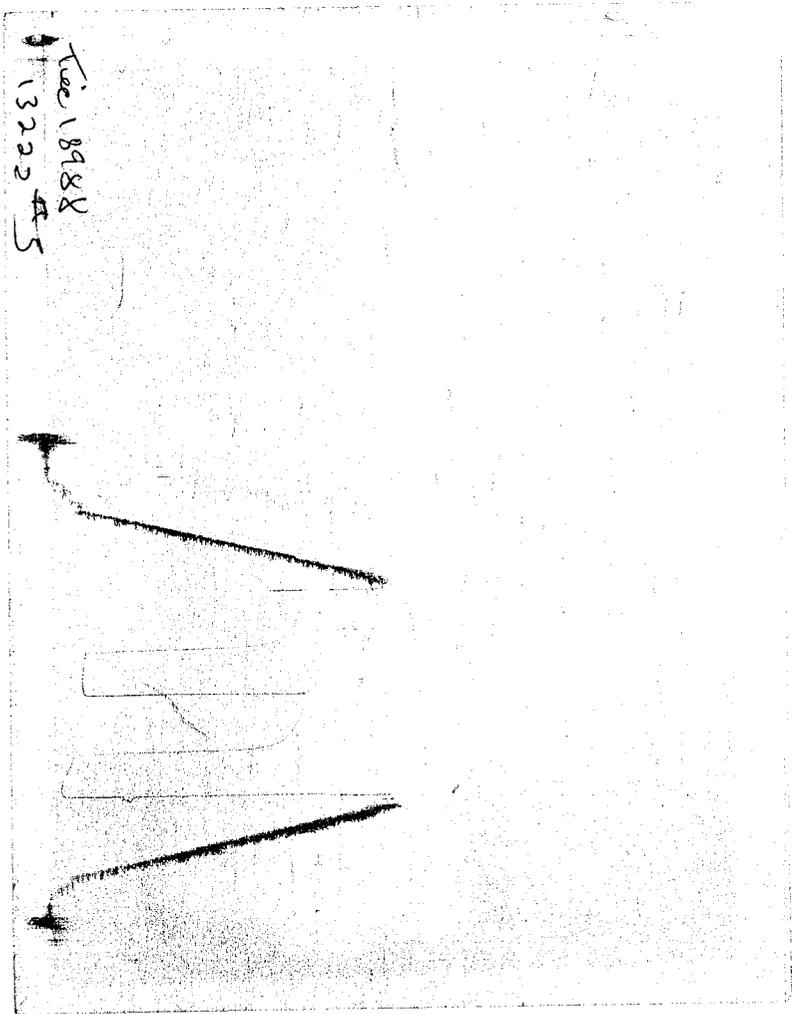
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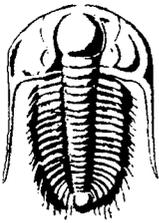
Approved By Ken Le Blanc

Our Representative Gary Kuntz

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 18989

05/03

Test Ticket

Well Name & No. Hartley #1 Test No. 6 Date 5-1-04
 Company CMX Inc. Zone Tested Miss.
 Address Wichita Ks. 67202 Elevation 1798 KB 1788 GL
 Co. Rep / Geo. Ken LeBlanc Cont. Douthwind #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 35 Twp. 30^S Rge. 13^W Co. Barber State Ks.
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4335 - 4390' Initial Str Wt./Lbs. 53,000 Unseated Str Wt./Lbs. 53,000
 Anchor Length 55' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 62,000
 Top Packer Depth 4330' Tool Weight 2100#
 Bottom Packer Depth 4335' Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4390' Wt. Pipe Run None Drill Collar Run 240'
 Mud Wt. 9.7 LCM 2# Vis. 53 WL 8.8cc Drill Pipe Size 4 1/2" Ft. Run 4092
 Blow Description IF: Strong blow. (surging) B.O.B. in 7.7 mins. ISI: No blow.

FF: Fair blow. (surging) B.O.B. in 28 mins. FSI: No blow.

Recovery - Total Feet 20 GIP 375 Ft. in DC 20 Ft. in DP 0
 Rec. 20 Feet of 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 125 °F Gravity N/A °API D @ _____ °F Corrected Gravity N/A °API _____
 RW N.C. @ _____ °F Chlorides 5,000 ppm Recovery _____ Chlorides 5,000 ppm System _____

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>2187</u> PSI	<u>6755</u>	<input checked="" type="checkbox"/> <u>800⁰⁰</u>
(B) First Initial Flow Pressure		<u>18</u> PSI	(depth) <u>4336'</u>	Elec. Rec. <input checked="" type="checkbox"/> <u>150⁰⁰</u>
(C) First Final Flow Pressure		<u>18</u> PSI	Recorder No. <u>13222</u>	Jars _____
(D) Initial Shut-In Pressure		<u>196</u> PSI	(depth) <u>4385'</u>	Safety Jt. <input checked="" type="checkbox"/> <u>50⁰⁰</u>
(E) Second Initial Flow Pressure		<u>16</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>18</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>153</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>2126</u> PSI	Initial Shut-In <u>60</u>	Ext. Packer _____
			Final Flow <u>30</u>	Shale Packer _____
			Final Shut-In <u>60</u>	Mileage <input checked="" type="checkbox"/> <u>25⁰⁰</u>
			T-On Location <u>0530</u>	Sub Total: <u>1025⁰⁰</u>
			T-Started <u>0538</u>	Std. By _____
			T-Open <u>0744</u>	Other <u>1042.50</u>
			T-Pulled <u>1050</u>	Total: <input checked="" type="checkbox"/> <u>1025⁰⁰</u>
			T-Out <u>1240</u>	

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Approved By Ken LeBlanc
 Our Representative Gary Douthwind

CHART PAGE

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