



DRILL STEM TEST REPORT

Prepared For: **CMX Inc**

1700 N Waterfront Pkwy
Bldg 300B
Wichita, KS 67206

ATTN: Leah Kasten

Lemon #5A

8-30S-13W Barber.KS

Start Date: 2019.06.02 @ 07:19:00

End Date: 2019.06.02 @ 17:46:47

Job Ticket #: 64972 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.06.05 @ 10:52:51



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

CMX Inc
 1700 N Waterfront Pkwy
 Bldg 300B
 Wichita, KS 67206
 ATTN: Leah Kasten

8-30S-13W Barber.KS

Lemon #5A

Job Ticket: 64972

DST#: 1

Test Start: 2019.06.02 @ 07:19:00

GENERAL INFORMATION:

Formation: **Mississippi Massey**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:54:17

Time Test Ended: 17:46:47

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 74

Interval: 4395.00 ft (KB) To 4448.00 ft (KB) (TVD)

Reference Elevations: 1867.00 ft (KB)

Total Depth: 4448.00 ft (KB) (TVD)

1856.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8672

Inside

Press@RunDepth: 56.41 psig @ 4396.00 ft (KB)

Capacity: psig

Start Date: 2019.06.02

End Date:

2019.06.02

Last Calib.:

2019.06.02

Start Time: 07:19:01

End Time:

17:46:47

Time On Btm:

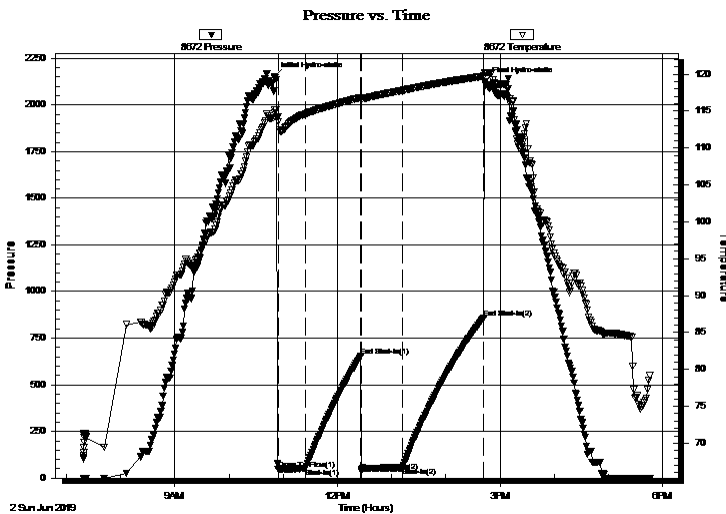
2019.06.02 @ 10:50:17

Time Off Btm:

2019.06.02 @ 14:43:17

TEST COMMENT: IF: Strong Blow , BOB in 5 minutes, Built to 39"
 IS: No Blow Back
 FF: Strong Blow , BOB Immediate, Built to 86"
 FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2153.26	114.83	Initial Hydro-static
4	47.61	114.25	Open To Flow (1)
35	51.85	114.64	Shut-In(1)
96	653.73	116.81	End Shut-In(1)
97	35.14	116.73	Open To Flow (2)
142	56.41	117.81	Shut-In(2)
232	858.94	119.77	End Shut-In(2)
233	2122.20	120.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	945 GIP	0.00
60.00	SGCM 5%G 95%M	0.30

Gas Rates

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



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DRILL STEM TEST REPORT

CMX Inc
 1700 N Waterfront Pkwy
 Bldg 300B
 Wichita, KS 67206
 ATTN: Leah Kasten

8-30S-13W Barber.KS

Lemon #5A

Job Ticket: 64972

DST#: 1

Test Start: 2019.06.02 @ 07:19:00

GENERAL INFORMATION:

Formation: **Mississippi Massey**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:54:17

Time Test Ended: 17:46:47

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 74

Interval: **4395.00 ft (KB) To 4448.00 ft (KB) (TVD)**

Reference Elevations: 1867.00 ft (KB)

Total Depth: 4448.00 ft (KB) (TVD)

1856.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 6751 Outside

Press@RunDepth: psig @ 4396.00 ft (KB)

Capacity: psig

Start Date: 2019.06.02 End Date: 2019.06.02

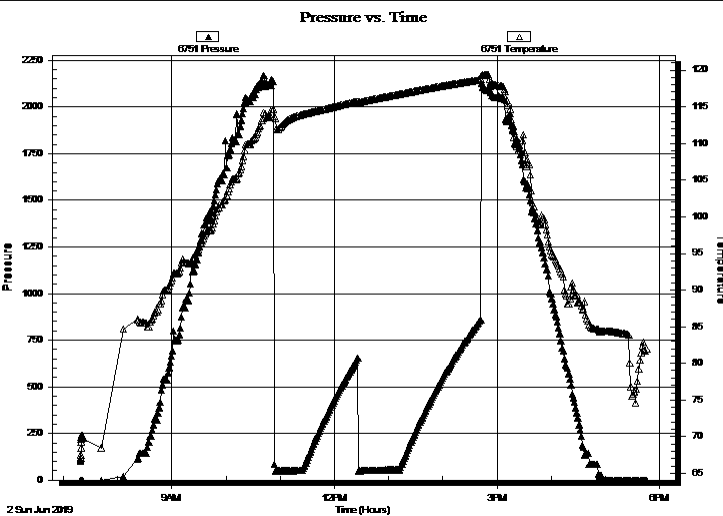
Last Calib.: 2019.06.02

Start Time: 07:19:01 End Time: 17:46:47

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Strong Blow , BOB in 5 minutes, Built to 39"
 IS: No Blow Back
 FF: Strong Blow , BOB Immediate, Built to 86"
 FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
0.00	945 GIP	0.00
60.00	SGCM 5%G 95%M	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Inc
1700 N Waterfront Pkwy
Bldg 300B
Wichita, KS 67206
ATTN: Leah Kasten

8-30S-13W Barber.KS
Lemon #5A
Job Ticket: 64972 **DST#: 1**
Test Start: 2019.06.02 @ 07:19:00

Tool Information

Drill Pipe:	Length: 4133.00 ft	Diameter: 3.80 inches	Volume: 57.98 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: 241.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume: 59.17 bbl		Tool Chased ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4395.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	79.00 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			4374.00	
Hydraulic tool	5.00			4379.00	
Jars	5.00			4384.00	
Safety Joint	2.00			4386.00	
Packer	5.00			4391.00	26.00 Bottom Of Top Packer
Packer	4.00			4395.00	
Stubb	1.00			4396.00	
Recorder	0.00	8672	Inside	4396.00	
Recorder	0.00	6751	Outside	4396.00	
Perforations	5.00			4401.00	
Change Over Sub	1.00			4402.00	
Drill Pipe	31.00			4433.00	
Change Over Sub	2.00			4435.00	
Perforations	10.00			4445.00	
Bullnose	3.00			4448.00	53.00 Bottom Packers & Anchor

Total Tool Length: 79.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc
1700 N Waterfront Pkwy
Bldg 300B
Wichita, KS 67206
ATTN: Leah Kasten

8-30S-13W Barber.KS
Lemon #5A
Job Ticket: 64972 **DST#: 1**
Test Start: 2019.06.02 @ 07:19:00

Mud and Cushion Information

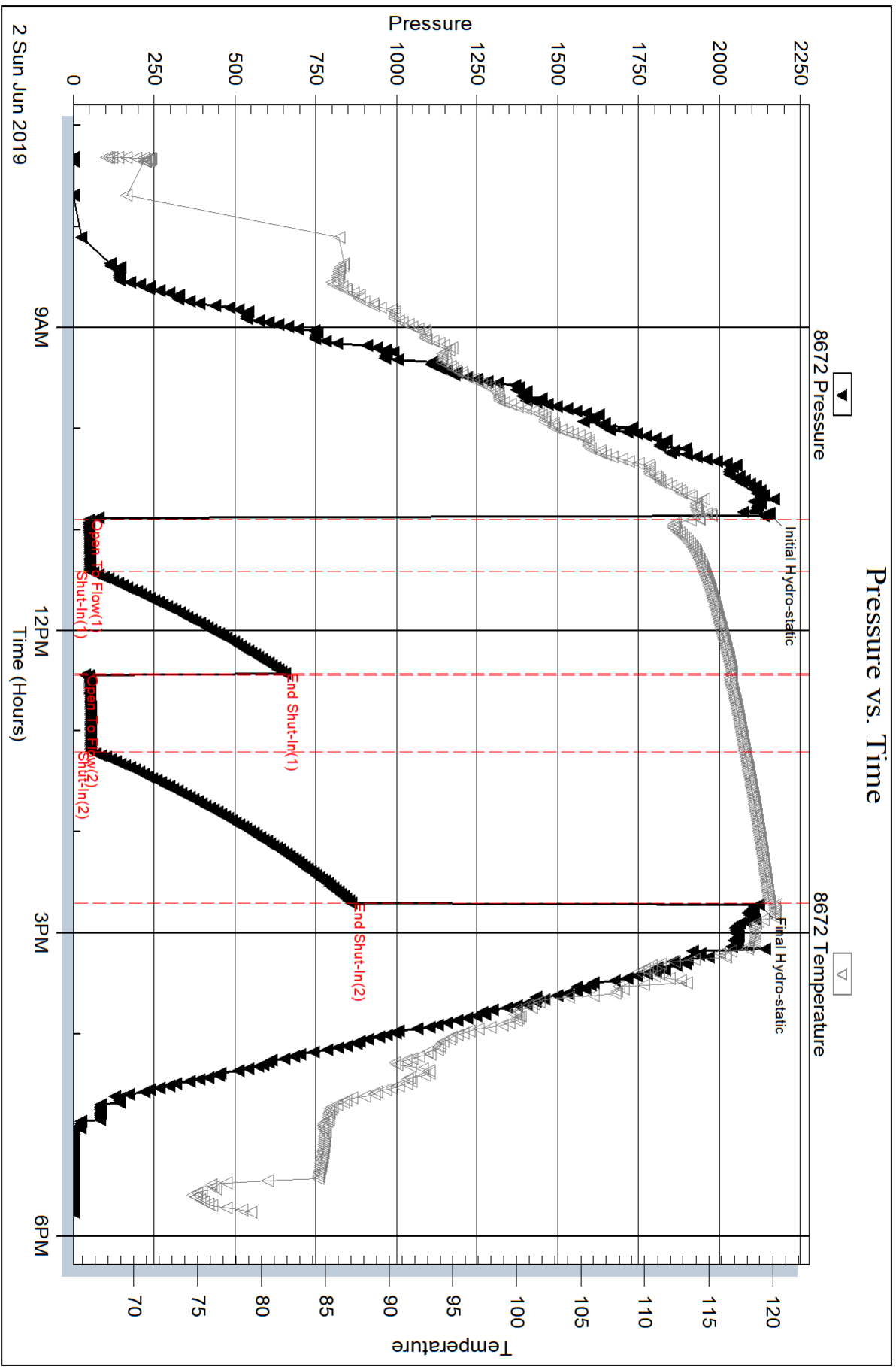
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: 0.02 inches			

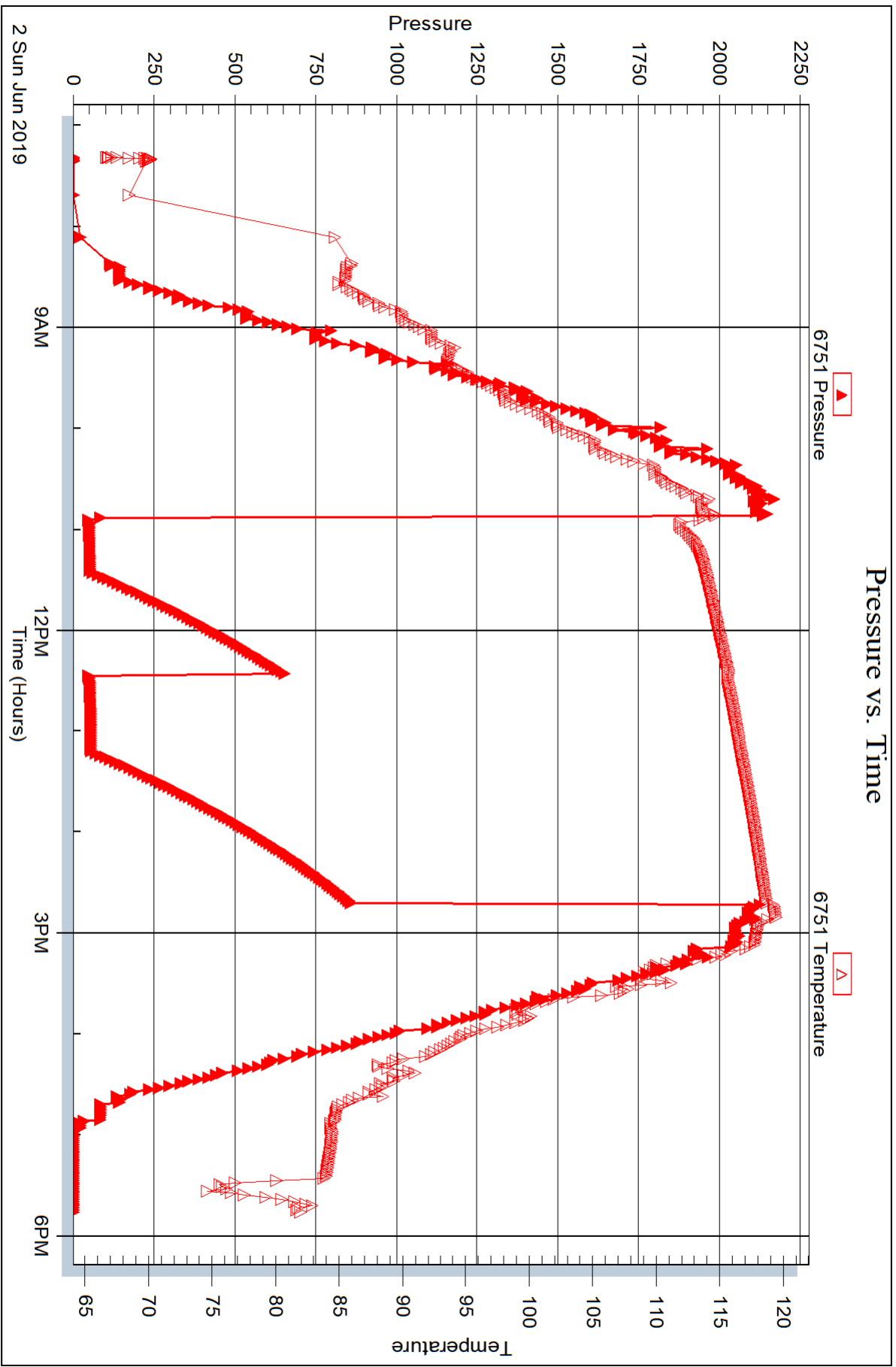
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	945 GIP	0.000
60.00	SGCM 5%G 95%M	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **CMX Inc**

1700 N Waterfront Pkwy
Bldg 300B
Wichita, KS 67206

ATTN: Leah Kasten

Lemon #5A

8-30S-13W Barber.KS

Start Date: 2019.06.03 @ 05:15:00

End Date: 2019.06.03 @ 14:40:47

Job Ticket #: 64973 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.06.05 @ 10:52:27

CMX Inc
8-30S-13W Barber.KS
Lemon #5A
DST # 2
Mississippi
2019.06.03



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

CMX Inc
 1700 N Waterfront Pkwy
 Bldg 300B
 Wichita, KS 67206
 ATTN: Leah Kasten

8-30S-13W Barber.KS

Lemon #5A

Job Ticket: 64973

DST#: 2

Test Start: 2019.06.03 @ 05:15:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 08:13:02
 Tester: Leal Cason
 Time Test Ended: 14:40:47
 Unit No: 74
 Interval: **4447.00 ft (KB) To 4490.00 ft (KB) (TVD)**
 Reference Elevations: 1867.00 ft (KB)
 Total Depth: 4490.00 ft (KB) (TVD)
 1856.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 11.00 ft

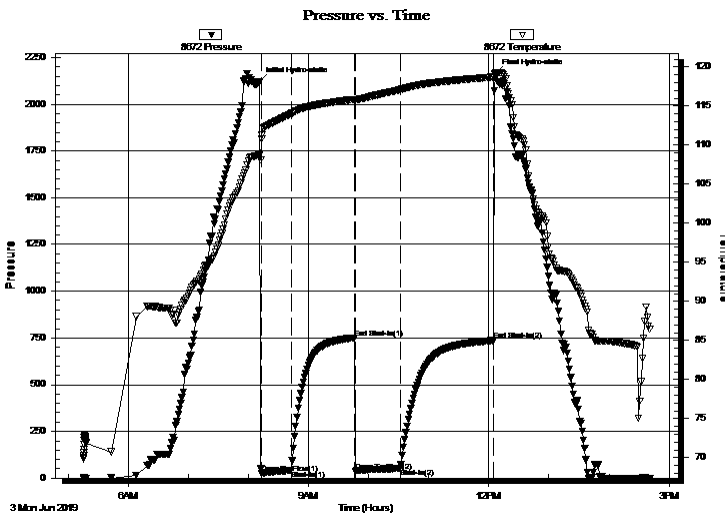
Serial #: 8672

Inside

Press@RunDepth: 52.78 psig @ 4448.00 ft (KB) Capacity: psig
 Start Date: 2019.06.03 End Date: 2019.06.03 Last Calib.: 2019.06.03
 Start Time: 05:15:01 End Time: 14:40:47 Time On Btm: 2019.06.03 @ 08:10:47
 Time Off Btm: 2019.06.03 @ 12:06:17

TEST COMMENT: IF: Strong Blow , BOB in 3 minutes, Built to 127"
 IS: No Blow Back
 FF: Strong Blow , BOB Immediate, Built to 193"
 FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2118.48	108.69	Initial Hydro-static
3	25.89	110.79	Open To Flow (1)
32	41.37	114.01	Shut-In(1)
96	750.84	115.82	End Shut-In(1)
96	34.30	115.70	Open To Flow (2)
141	52.78	117.08	Shut-In(2)
235	736.51	118.77	End Shut-In(2)
236	2162.60	119.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1454 GIP	0.00
65.00	SGCM 10%G 90%M	0.32

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

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CMX Inc
1700 N Waterfront Pkwy
Bldg 300B
Wichita, KS 67206
ATTN: Leah Kasten

8-30S-13W Barber.KS

Lemon #5A

Job Ticket: 64973

DST#: 2

Test Start: 2019.06.03 @ 05:15:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:13:02

Time Test Ended: 14:40:47

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 74

Interval: **4447.00 ft (KB) To 4490.00 ft (KB) (TVD)**

Total Depth: 4490.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1867.00 ft (KB)

1856.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: **6751**

Outside

Press@RunDepth: psig @ 4448.00 ft (KB)

Start Date: 2019.06.03

End Date:

2019.06.03

Start Time: 05:15:01

End Time:

14:40:47

Capacity: psig

Last Calib.:

2019.06.03

Time On Btm:

Time Off Btm:

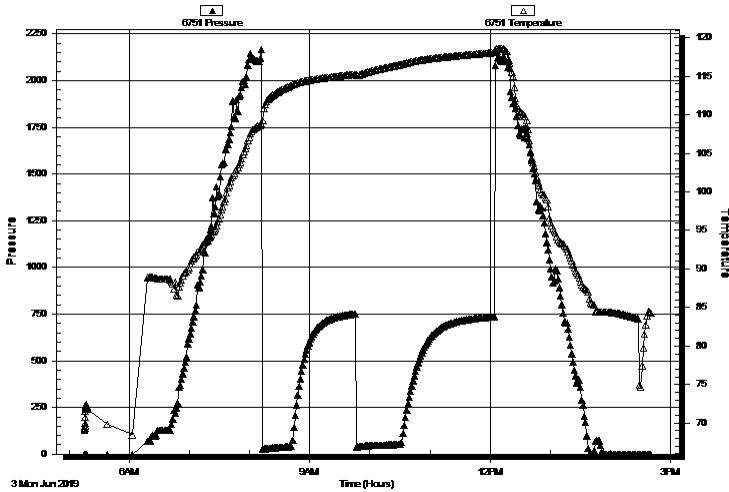
TEST COMMENT: IF: Strong Blow , BOB in 3 minutes, Built to 127"

IS: No Blow Back

FF: Strong Blow , BOB Immediate, Built to 193"

FS: No Blow Back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1454 GIP	0.00
65.00	SGCM 10%G 90%M	0.32

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Inc
1700 N Waterfront Pkwy
Bldg 300B
Wichita, KS 67206
ATTN: Leah Kasten

8-30S-13W Barber.KS

Lemon #5A

Job Ticket: 64973

DST#: 2

Test Start: 2019.06.03 @ 05:15:00

Tool Information

Drill Pipe:	Length: 4198.00 ft	Diameter: 3.80 inches	Volume: 58.89 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:	25000.00 lb
Drill Collar:	Length: 241.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 60.08 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	4447.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	43.00 ft				
Tool Length:	69.00 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			4426.00	
Hydraulic tool	5.00			4431.00	
Jars	5.00			4436.00	
Safety Joint	2.00			4438.00	
Packer	5.00			4443.00	26.00 Bottom Of Top Packer
Packer	4.00			4447.00	
Stubb	1.00			4448.00	
Recorder	0.00	8672	Inside	4448.00	
Recorder	0.00	6751	Outside	4448.00	
Perforations	6.00			4454.00	
Change Over Sub	1.00			4455.00	
Drill Pipe	31.00			4486.00	
Change Over Sub	1.00			4487.00	
Bullnose	3.00			4490.00	43.00 Bottom Packers & Anchor

Total Tool Length: 69.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc
1700 N Waterfront Pkwy
Bldg 300B
Wichita, KS 67206
ATTN: Leah Kasten

8-30S-13W Barber.KS
Lemon #5A
Job Ticket: 64973 **DST#: 2**
Test Start: 2019.06.03 @ 05:15:00

Mud and Cushion Information

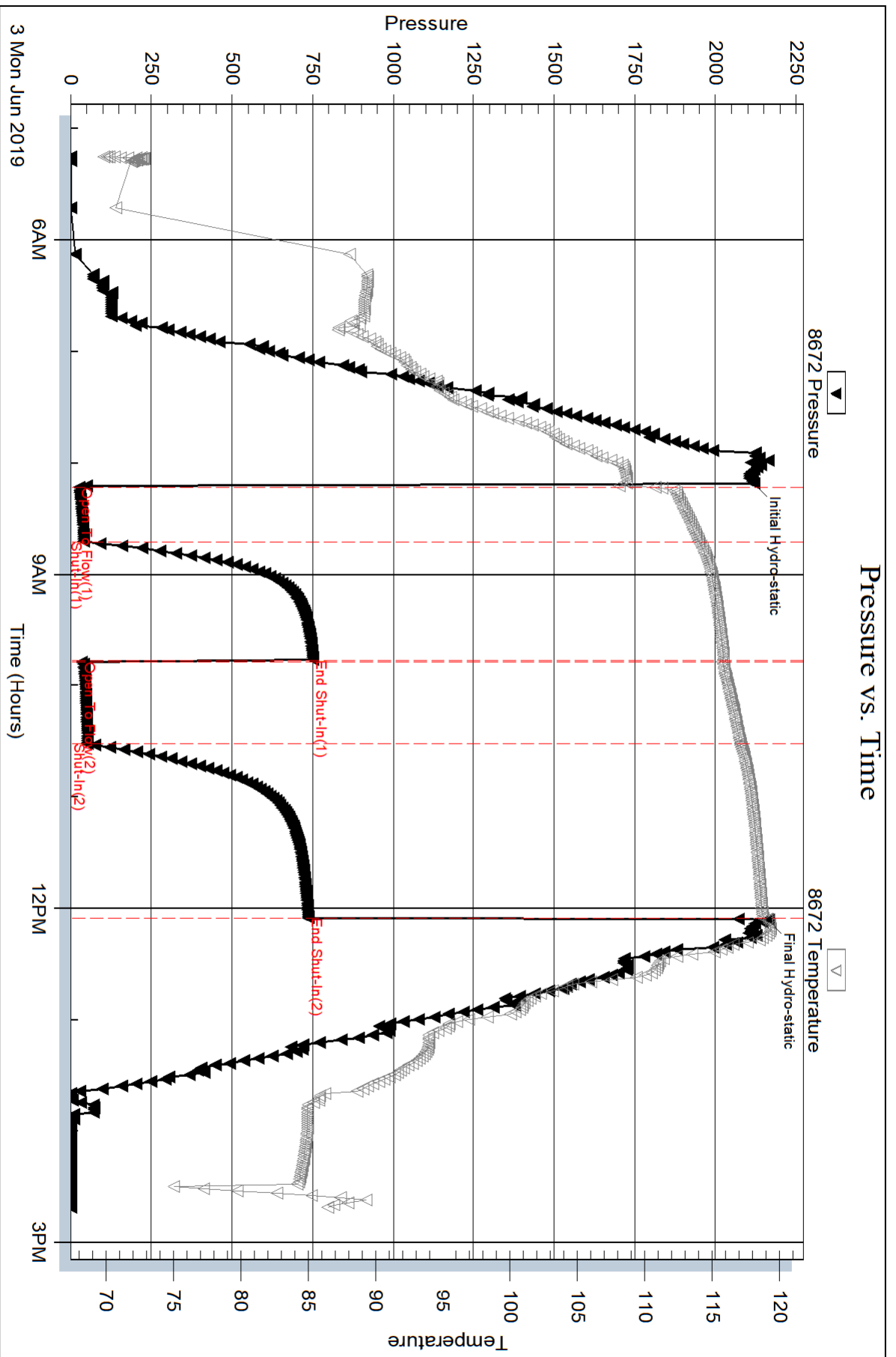
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7500.00 ppm			
Filter Cake: 0.02 inches			

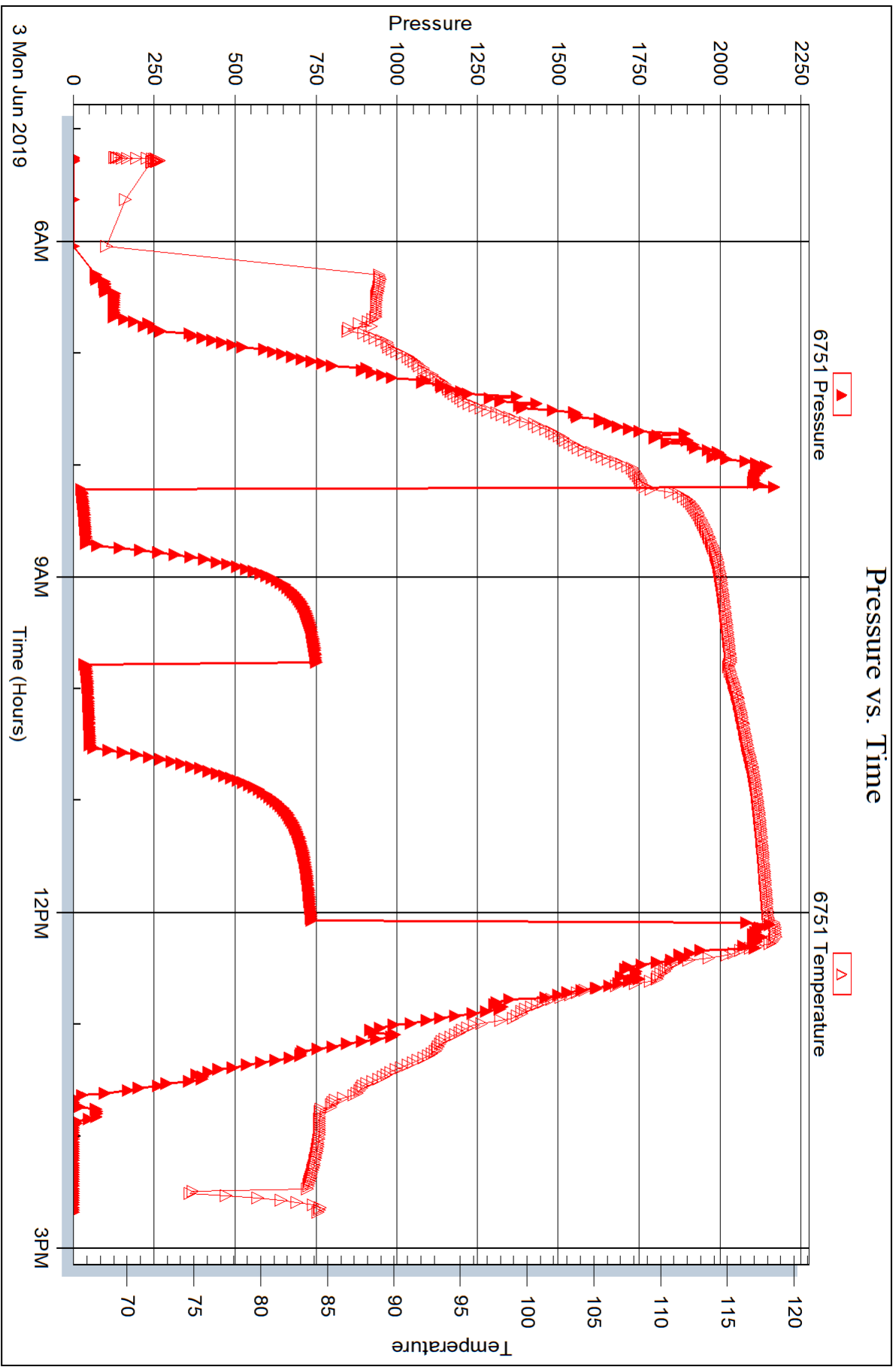
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1454 GIP	0.000
65.00	SGCM 10%G 90%M	0.320

Total Length: 65.00 ft Total Volume: 0.320 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **CMX Inc**

1700 N Waterfront Pkwy
Bldg 300B
Wichita, KS 67206

ATTN: Leah Kasten

Lemon #5A

8-30S-13W Barber.KS

Start Date: 2019.06.04 @ 04:35:00

End Date: 2019.06.04 @ 16:28:47

Job Ticket #: 64974 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.06.05 @ 10:52:03

CMX Inc
8-30S-13W Barber.KS
Lemon #5A
DST # 3
Viola
2019.06.04



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

CMX Inc
 1700 N Waterfront Pkwy
 Bldg 300B
 Wichita, KS 67206
 ATTN: Leah Kasten

8-30S-13W Barber.KS

Lemon #5A

Job Ticket: 64974

DST#: 3

Test Start: 2019.06.04 @ 04:35:00

GENERAL INFORMATION:

Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 08:47:47
 Tester: Leal Cason
 Time Test Ended: 16:28:47
 Unit No: 74
 Interval: **4558.00 ft (KB) To 4585.00 ft (KB) (TVD)**
 Reference Elevations: 1867.00 ft (KB)
 Total Depth: 4585.00 ft (KB) (TVD)
 1856.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 11.00 ft

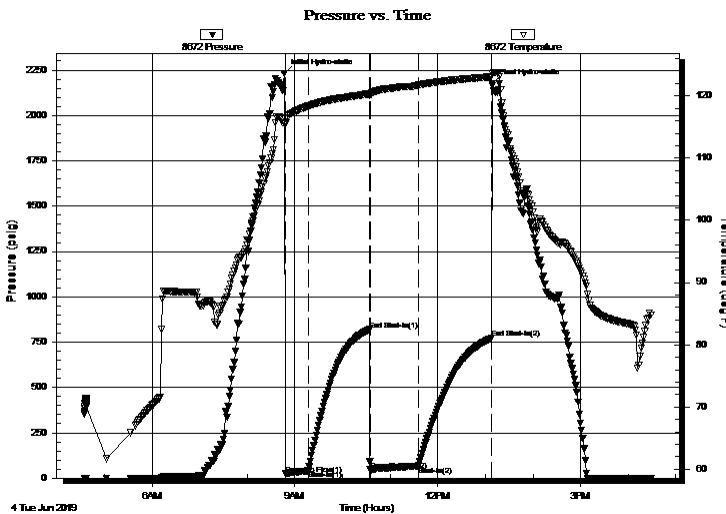
Serial #: 8672

Inside

Press@RunDepth: 67.34 psig @ 4559.00 ft (KB) Capacity: psig
 Start Date: 2019.06.04 End Date: 2019.06.04 Last Calib.: 2019.06.04
 Start Time: 04:35:01 End Time: 16:28:47 Time On Btm: 2019.06.04 @ 08:46:17
 Time Off Btm: 2019.06.04 @ 13:08:32

TEST COMMENT: IF: Strong Blow , BOB in 5 minutes, Built to 47"
 IS: No Blow Back
 FF: Strong Blow , BOB in 30 seconds, Built to 91"
 FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2232.07	115.62	Initial Hydro-static
2	23.39	115.51	Open To Flow (1)
31	40.84	118.37	Shut-In(1)
108	818.81	120.30	End Shut-In(1)
109	45.42	120.15	Open To Flow (2)
170	67.34	121.75	Shut-In(2)
262	771.31	123.13	End Shut-In(2)
263	2175.23	123.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1913 GIP	0.00
60.00	GOCM 20%G 20%O 60%M	0.30
50.00	GOCM 10%G 10%O 80%M	0.25

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

CMX Inc
1700 N Waterfront Pkwy
Bldg 300B
Wichita, KS 67206
ATTN: Leah Kasten

8-30S-13W Barber.KS

Lemon #5A

Job Ticket: 64974

DST#: 3

Test Start: 2019.06.04 @ 04:35:00

GENERAL INFORMATION:

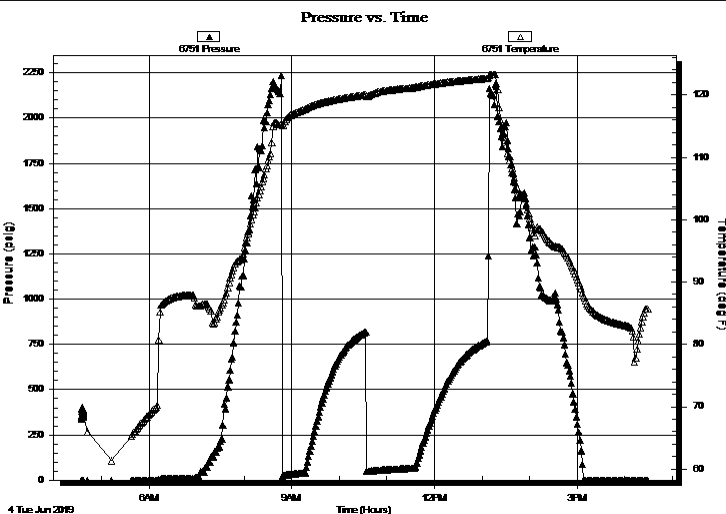
Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:47:47
 Time Test Ended: 16:28:47
 Interval: **4558.00 ft (KB) To 4585.00 ft (KB) (TVD)**
 Total Depth: 4585.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Leal Cason
 Unit No: 74
 Reference Elevations: 1867.00 ft (KB)
 1856.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 6751

Outside

Press@RunDepth: psig @ 4559.00 ft (KB)
 Start Date: 2019.06.04 End Date: 2019.06.04 Capacity: psig
 Start Time: 04:35:01 End Time: 16:28:47 Last Calib.: 2019.06.04
 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Strong Blow , BOB in 5 minutes, Built to 47"
 IS: No Blow Back
 FF: Strong Blow , BOB in 30 seconds, Built to 91"
 FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1913 GIP	0.00
60.00	GOCM 20%G 20%O 60%M	0.30
50.00	GOCM 10%G 10%O 80%M	0.25

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Inc
1700 N Waterfront Pkwy
Bldg 300B
Wichita, KS 67206
ATTN: Leah Kasten

8-30S-13W Barber.KS
Lemon #5A
Job Ticket: 64974 **DST#: 3**
Test Start: 2019.06.04 @ 04:35:00

Tool Information

Drill Pipe:	Length: 4199.00 ft	Diameter: 3.80 inches	Volume: 58.90 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: 361.00 ft	Diameter: 2.25 inches	Volume: 1.78 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 60.68 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4558.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	53.00 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			4537.00	
Hydraulic tool	5.00			4542.00	
Jars	5.00			4547.00	
Safety Joint	2.00			4549.00	
Packer	5.00			4554.00	26.00 Bottom Of Top Packer
Packer	4.00			4558.00	
Stubb	1.00			4559.00	
Recorder	0.00	8672	Inside	4559.00	
Recorder	0.00	6751	Outside	4559.00	
Perforations	23.00			4582.00	
Bullnose	3.00			4585.00	27.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Inc
1700 N Waterfront Pkwy
Bldg 300B
Wichita, KS 67206
ATTN: Leah Kasten

8-30S-13W Barber.KS
Lemon #5A
Job Ticket: 64974 **DST#: 3**
Test Start: 2019.06.04 @ 04:35:00

Mud and Cushion Information

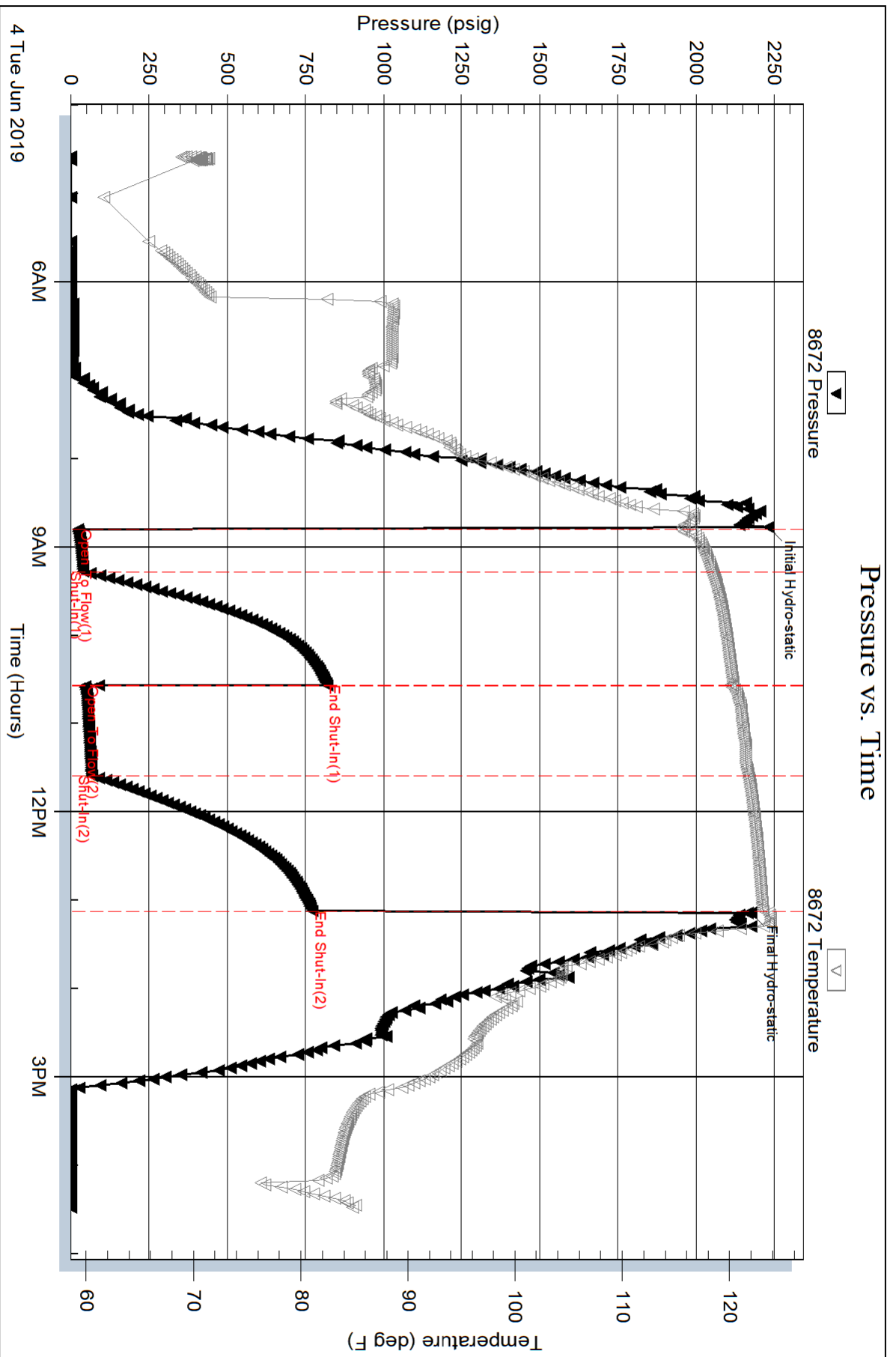
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7000.00 ppm			
Filter Cake: 0.02 inches			

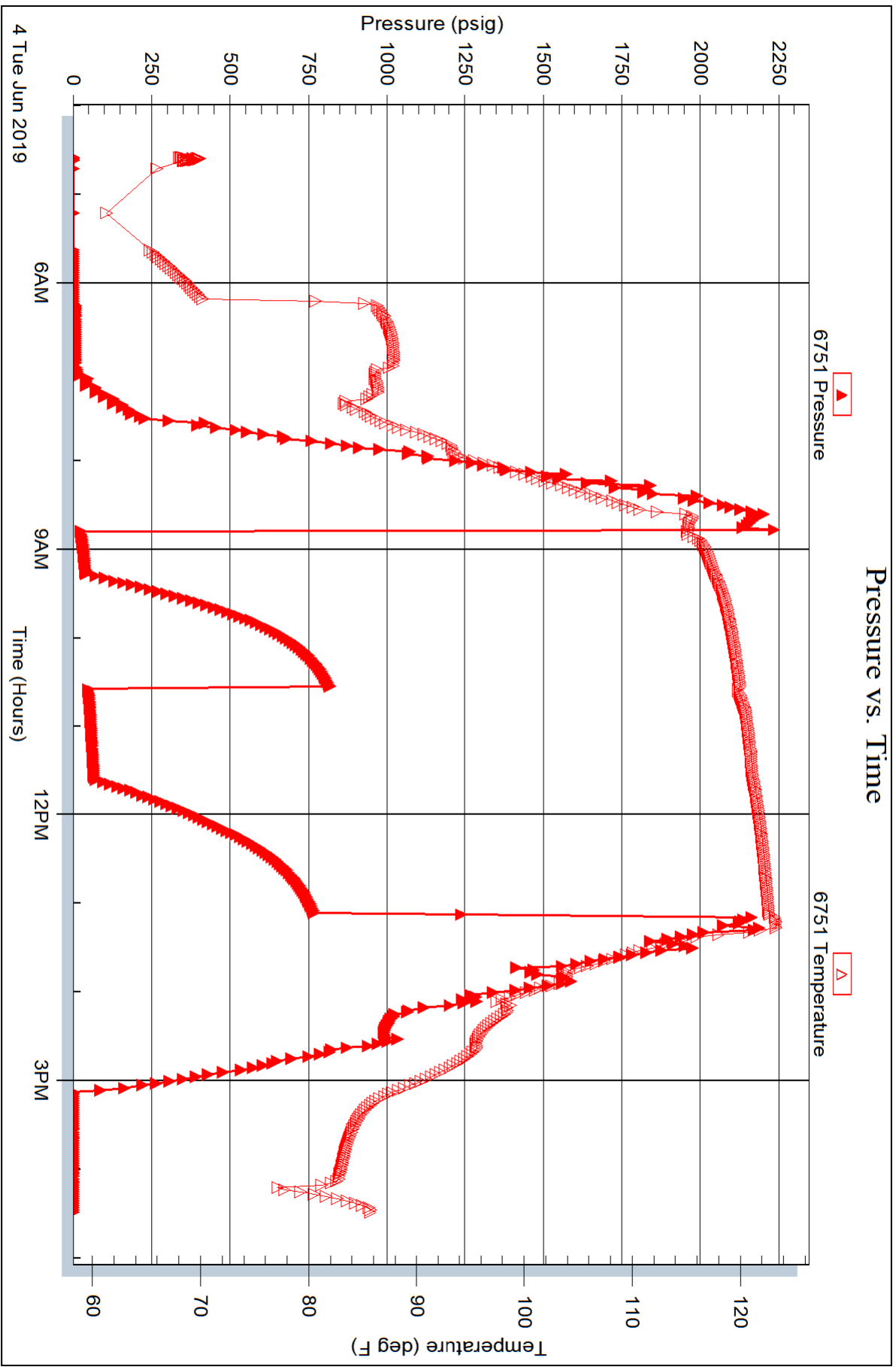
Recovery Information

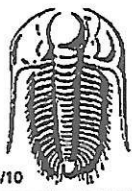
Recovery Table

Length ft	Description	Volume bbl
0.00	1913 GIP	0.000
60.00	GOCM 20%G 20%O 60%M	0.295
50.00	GOCM 10%G 10%O 80%M	0.246

Total Length: 110.00 ft Total Volume: 0.541 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64972

Well Name & No. Lemon A-5 Test No. 1 Date 06/02/19
 Company CMX Inc Elevation 1867 KB 1856 GL
 Address 1700 N. Waterfront Pkwy Bldg 300B Wichita, KS 67206
 Co. Rep/Geo. Leah Kasten Rig Murfin 20
 Location: Sec. 8 Twp 30S Rge. 13W Co. Barber State KS

Interval Tested ~~4439-4448~~ - ~~4448-4453~~ Zone Tested Mississippi Massey
 Anchor Length 4395 - 4448 53 Drill Pipe Run _____ Mud Wt. 9.3
 Top Packer Depth 4390 ~~4448~~ Drill Collars Run 241 Vis 48
 Bottom Packer Depth 4395 ~~4448~~ Wt. Pipe Run 0 WL 8.8
 Total Depth 4418 ~~4448~~ Chlorides 8000 ppm System LCM 2

Blow Description IF: Strong Blow, BOB in 5 minutes, Built to 39 inches
ISI: NO Blow Back
FF: Strong Blow, BOB immediate, Built to 86 inches
FSI: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>945</u>	<u>GTP</u>				
<u>60</u>	<u>SGCM</u>	<u>5</u>			<u>95</u>
_____	_____	%gas	%oil	%water	%mud
_____	_____	%gas	%oil	%water	%mud
_____	_____	%gas	%oil	%water	%mud

Rec Total 60 BHT 120 Gravity NIC API RW NIC @ NIC F Chlorides NIC ppm
 (A) Initial Hydrostatic 2153 Test 1300 T-On Location 05:30
 (B) First Initial Flow 48 Jars 250 T-Started 07:19
 (C) First Final Flow 52 Safety Joint 75 T-Open 10:54
 (D) Initial Shut-In 654 Circ Sub _____ T-Pulled 14:42
 (E) Second Initial Flow 35 Hourly Standby _____ T-Out 17:46
 (F) Second Final Flow 56 Mileage 40 40 Comments _____
 (G) Final Shut-In 859 Sampler _____
 (H) Final Hydrostatic 2122 Straddle _____

Initial Open 30 Shale Packer _____ EM Tool _____
 Initial Shut-In 60 Extra Packer _____ Ruined Shale Packer _____
 Final Flow 45 Extra Recorder _____ Ruined Packer _____
 Final Shut-In 90 Day Standby _____ Extra Copies _____
 Sub Total 1665 Accessibility _____ Sub Total 0
 MP/DST Disc't _____

Approved By Leah A. Kasten Our Representative _____

Tribolite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **64973**

Well Name & No. ~~XXXX~~ Lemon A-5 Test No. 2 Date 06/03/19
 Company CMX Inc Elevation 1867 KB 1856 GL
 Address 1700 N. Waterfront Pkwy Bldg 300B Wichita, KS 67206
 Co. Rep / Geo. Leah Kasten Rig Murfin 20
 Location: Sec. 8 Twp 30S Rge. 13W Co. Barber State KS

Interval Tested 4447 - 4490 Zone Tested Mississippi
 Anchor Length 43 Drill Pipe Run 4198 Mud Wt. 9.3
 Top Packer Depth 4442 Drill Collars Run 241 Vis 54
 Bottom Packer Depth 4447 Wt. Pipe Run 0 WL 8.0
 Total Depth 4490 Chlorides 7500 ppm System LCM 2

Blow Description IF: strong blow, BOB in 3 minutes, Built to 127 inches
ISL: NO Blow Back
FF: strong blow, BOB immediate, Built to ¹⁹³ inches
FSL: NO Blow Back

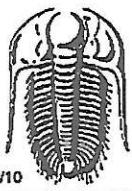
Rec	Feet of	%gas	%oil	%water	%mud
<u>1454</u>	<u>GIP</u>				
<u>65</u>	<u>SGCM</u>	<u>10</u>			<u>90</u>

Rec Total 65 BHT 119 Gravity NIC API RW NIC @ NIC °F Chlorides NIC ppm

(A) Initial Hydrostatic <u>2118</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>03:30</u>
(B) First Initial Flow <u>26</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>05:15</u>
(C) First Final Flow <u>41</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>08:13</u>
(D) Initial Shut-In <u>751</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>12:05</u>
(E) Second Initial Flow <u>34</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>14:40</u>
(F) Second Final Flow <u>53</u>	<input checked="" type="checkbox"/> Mileage <u>(40)</u> <u>40</u>	Comments
(G) Final Shut-In <u>736</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2163</u>	<input type="checkbox"/> Straddle	
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> EM Tool
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Ruined Packer
Final Flow <u>45</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Accessibility	Total <u>1665</u>
	Sub Total <u>1665</u>	MP/DST Disc't

Approved By Leah A. Kasten Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64974

Well Name & No. Lemon A-5 Test No. 3 Date 06/04/19
 Company CMX INC Elevation 1867 KB 1856 GL
 Address 1700 N Waterfront PKwy Bldg 300B Wichita, KS 67206
 Co. Rep/Geo. Leah Kasten Rig Murfin 20
 Location: Sec. 8 Twp 30S Rge. 13W Co. Barber State KS

Interval Tested 4558 - 4585 Zone Tested Viola
 Anchor Length 27 Drill Pipe Run 4199 Mud Wt. 9.2
 Top Packer Depth 4553 Drill Collars Run 361 Vis 52
 Bottom Packer Depth 4558 Wt. Pipe Run 0 WL 8.0
 Total Depth 4585 Chlorides 7000 ppm System LCM 2

Blow Description IF: Strong Blow, BOB in 5 minutes, Built to 47 inches
FSI: NO Blow Back
IF: Strong Blow, BOB in 30 seconds, Built to 91 inches
FSI: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>1913</u>	<u>GIP</u>				
<u>50</u>	<u>60 60CM</u>	<u>10</u>	<u>10</u>	<u>80</u>	<u>80</u>
<u>60</u>	<u>60CM</u>	<u>20</u>	<u>20</u>	<u>60</u>	<u>60</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 110 BHT 123 Gravity N/C API RW N/C @ N/C F Chlorides N/C ppm

(A) Initial Hydrostatic	<u>2232</u>	<input checked="" type="checkbox"/> Test	<u>1300</u>	T-On Location	<u>01:00</u>
(B) First Initial Flow	<u>23</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>04:35</u>
(C) First Final Flow	<u>41</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>08:47</u>
(D) Initial Shut-In	<u>819</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>13:07</u>
(E) Second Initial Flow	<u>45</u>	<input checked="" type="checkbox"/> Hourly Standby	<u>5.5h 550</u>	T-Out	<u>16:28</u>
(F) Second Final Flow	<u>67</u>	<input checked="" type="checkbox"/> Mileage	<u>40</u>	Comments	<u>crew waited on weather, Rig Broke Down</u>
(G) Final Shut-In	<u>771</u>	<input type="checkbox"/> Sampler		<input type="checkbox"/> EM Tool	
(H) Final Hydrostatic	<u>2175</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	

Initial Open 30
 Initial Shut-In 75
 Final Flow 60
 Final Shut-In 90

Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 2215
 MP/DST Disc't _____

Approved By [Signature] Our Representative [Signature]

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