



DRILL STEM TEST REPORT

Prepared For: **CMX Incorporated**

1700 N Waterfront Parkway
Building 300B
Wichita, KS 67206

ATTN: Ken LeBlanc

Bushton #2-36

36-17s-10w Ellsworth,KS

Start Date: 2015.08.24 @ 08:02:00

End Date: 2015.08.24 @ 10:49:00

Job Ticket #: 63044 DST #: 1

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

Printed: 2015.08.28 @ 14:16:51



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

CMX Incorporated
1700 N Waterfront Parkway
Building 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

36-17s-10w Ellsworth,KS

Bushton #2-36

Job Ticket: 63044

DST#: 1

Test Start: 2015.08.24 @ 08:02:00

GENERAL INFORMATION:

Formation: **LKC B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 10:49:00

Interval: 2905.00 ft (KB) To 2920.00 ft (KB) (TVD)

Total Depth: 2920.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 58

Reference Elevations: 1768.00 ft (KB)

1760.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6838

Inside

Press@RunDepth: psig @ 2916.00 ft (KB)

Start Date: 2015.08.24

End Date:

2015.08.24

Start Time: 08:02:00

End Time:

10:49:00

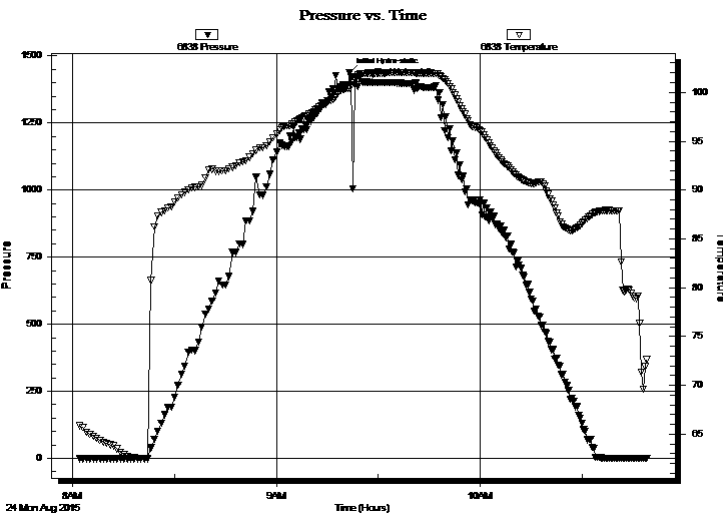
Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2015.08.24 @ 09:21:30

Time Off Btm: 2015.08.24 @ 09:27:00

TEST COMMENT: Tagged bottom 12' high
Had to pull 50 over to come back up
Pull test to recondition hole



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1438.72	100.43	Initial Hydro-static
6	1401.95	101.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Incorporated
1700 N Waterfront Parkway
Building 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

36-17s-10w Ellsworth,KS
Bushton #2-36
Job Ticket: 63044 **DST#: 1**
Test Start: 2015.08.24 @ 08:02:00

Tool Information

Drill Pipe:	Length: 2906.00 ft	Diameter: 3.80 inches	Volume: 40.76 bbl	Tool Weight: 2000.00 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: 90000.00 lb
			<u>Total Volume: 40.76 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	2905.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			2888.00	
Hydraulic tool	5.00			2893.00	
Safety Joint	2.00			2895.00	
Top Packer	5.00			2900.00	
Packer	5.00			2905.00	22.00 Bottom Of Top Packer
Anchor	10.00			2915.00	
Recorder	1.00	6838	Inside	2916.00	
Recorder	1.00	6663	Outside	2917.00	
Bullnose	3.00			2920.00	15.00 Anchor Tool
Total Tool Length:	37.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Incorporated

36-17s-10w Ellsworth,KS

1700 N Waterfront Parkway
Building 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

Bushton #2-36

Job Ticket: 63044

DST#: 1

Test Start: 2015.08.24 @ 08:02:00

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: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.96 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl

Total Length: ft Total Volume: bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

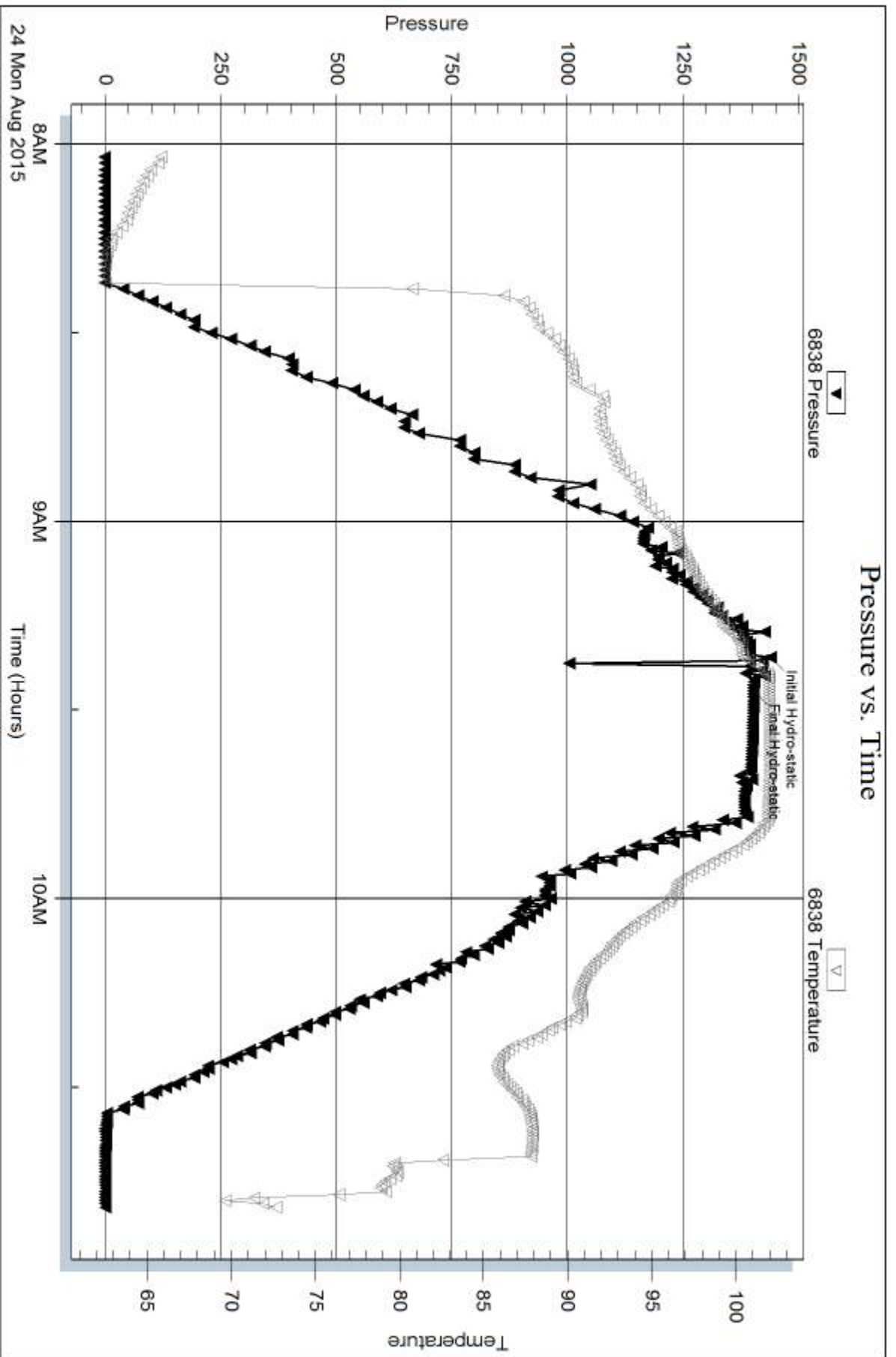
Serial #: 6838

Inside

CMX Incorporated

Bushlon #2-36

DST Test Number: 1

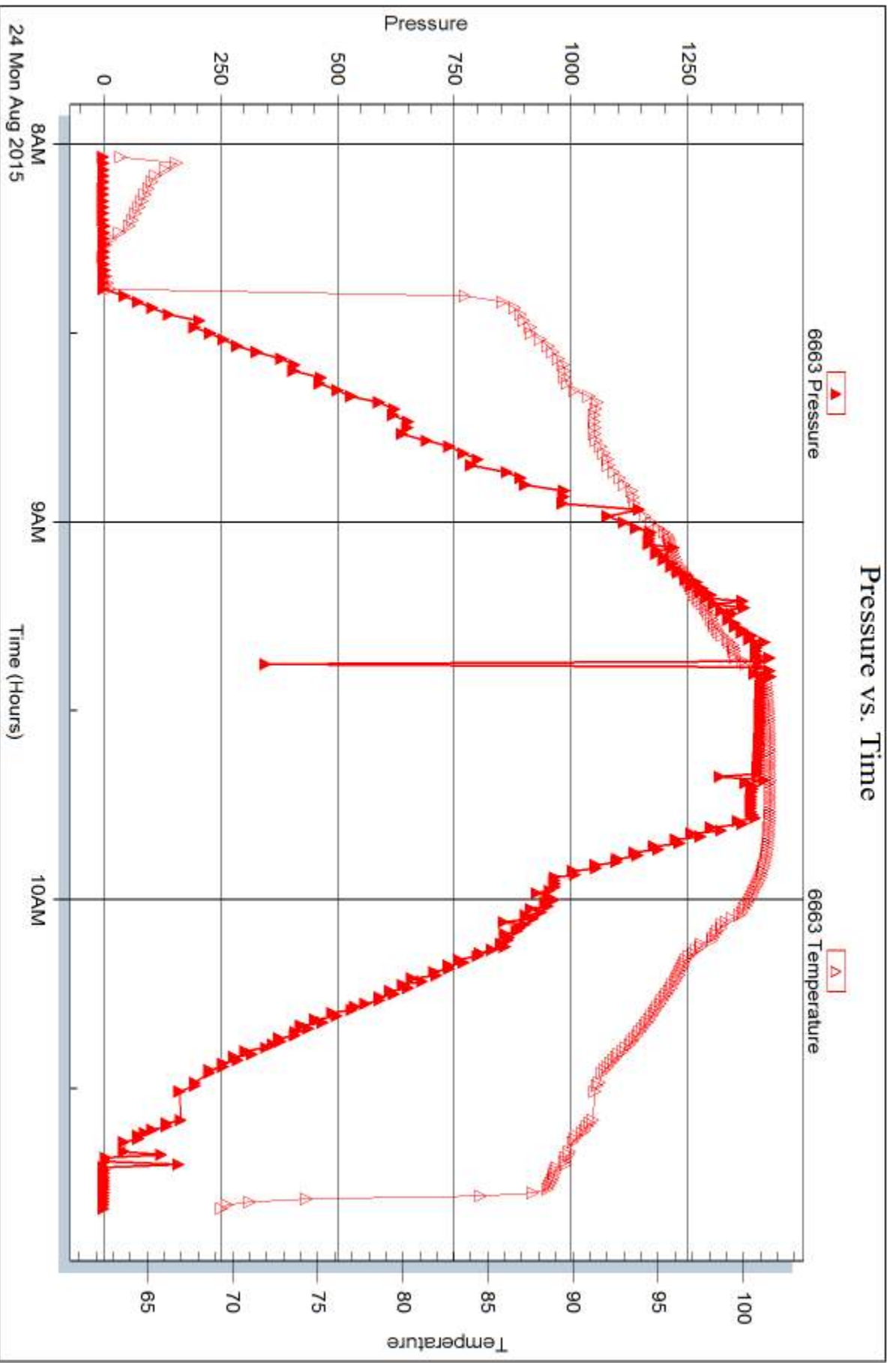


Serial #: 6663

Outside CMX Incorporated

Bushlon #2-36

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 63044

Printed: 2015.08.28 @ 14:16:58



DRILL STEM TEST REPORT

Prepared For: **CMX Incorporated**

1700 N Waterfront Parkway
Building 300B
Wichita, KS 67206

ATTN: Ken LeBlanc

Bushton #2-36

36-17s-10w Ellsworth,KS

Start Date: 2015.08.24 @ 14:36:00

End Date: 2015.08.24 @ 19:29:00

Job Ticket #: 63045 DST #: 2

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

Printed: 2015.08.28 @ 11:50:32

CMX Incorporated
36-17s-10w Ellsworth,KS
Bushton #2-36
DST # 2
LKC B
2015.08.24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

CMX Incorporated
1700 N Waterfront Parkway
Building 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

36-17s-10w Ellsworth,KS

Bushton #2-36

Job Ticket: 63045

DST#: 2

Test Start: 2015.08.24 @ 14:36:00

GENERAL INFORMATION:

Formation: **LKC B**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:43:00
 Time Test Ended: 19:29:00
 Interval: **2905.00 ft (KB) To 2920.00 ft (KB) (TVD)**
 Total Depth: 2920.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 58
 Reference Elevations: 1768.00 ft (KB)
 1760.00 ft (CF)
 KB to GR/CF: 8.00 ft

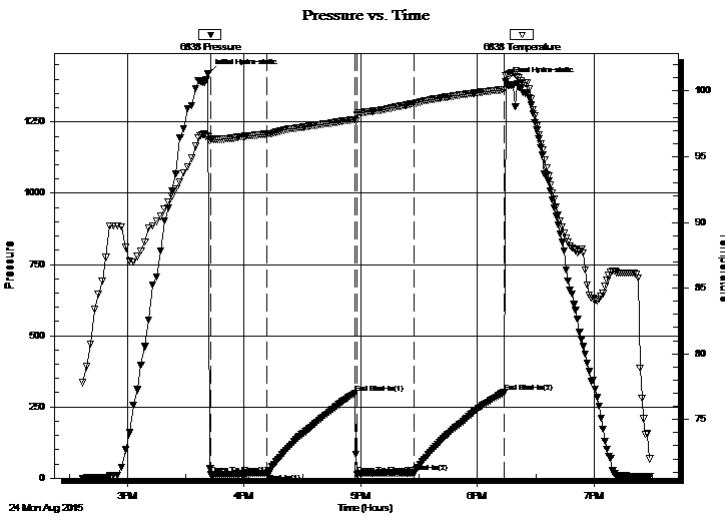
Serial #: 6838

Inside

Press@RunDepth: 18.82 psig @ 2916.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.08.24 End Date: 2015.08.24 Last Calib.: 2015.08.24
 Start Time: 14:37:00 End Time: 19:29:00 Time On Btm: 2015.08.24 @ 15:41:30
 Time Off Btm: 2015.08.24 @ 18:14:30

TEST COMMENT: IFP 30 Minutes BOB in 15 seconds then died off
 ISI 45 Minutes Slight surface blow back
 FFP 30 Minutes BOB at open then died off
 FSI 45 Minutes Slight surface bow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1420.85	96.49	Initial Hydro-static
2	12.35	96.37	Open To Flow (1)
30	16.77	96.72	Shut-In(1)
76	298.22	97.83	End Shut-In(1)
77	13.52	98.17	Open To Flow (2)
106	18.82	99.05	Shut-In(2)
152	300.09	100.10	End Shut-In(2)
153	1391.54	101.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	800 feet of gas in pipe	0.00
20.00	Mud	0.28

Gas Rates

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



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ATTN: Ken LeBlanc

36-17s-10w Ellsworth,KS

Bushton #2-36

Job Ticket: 63045 **DST#: 2**
Test Start: 2015.08.24 @ 14:36:00

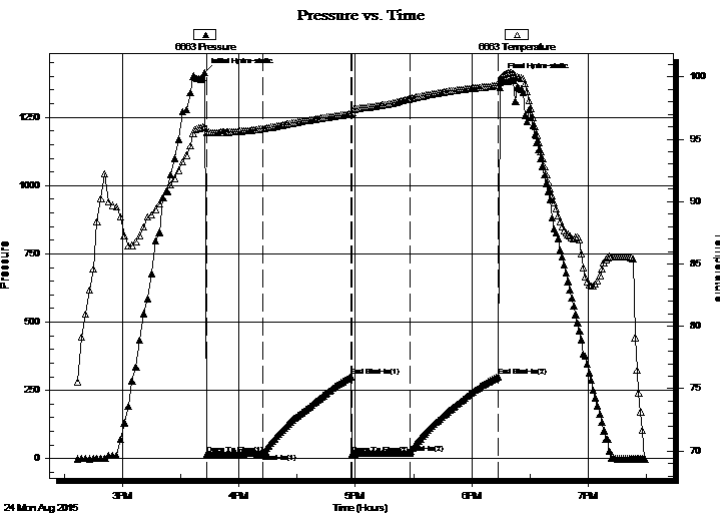
GENERAL INFORMATION:

Formation: **LKC B**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:43:00
Time Test Ended: 19:29:00
Interval: **2905.00 ft (KB) To 2920.00 ft (KB) (TVD)**
Total Depth: 2920.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 1768.00 ft (KB)
1760.00 ft (CF)
KB to GR/CF: 8.00 ft
Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 58

Serial #: 6663 Outside

Press@RunDepth: 300.89 psig @ 2917.00 ft (KB)
Start Date: 2015.08.24 End Date: 2015.08.24
Start Time: 14:37:00 End Time: 19:29:30
Capacity: 8000.00 psig
Last Calib.: 2015.08.24
Time On Btm: 2015.08.24 @ 15:42:30
Time Off Btm: 2015.08.24 @ 18:15:00

TEST COMMENT: IFP 30 Minutes BOB in 15 seconds then died off
ISI 45 Minutes Slight surface blow back
FFP 30 Minutes BOB at open then died off
FSI 45 Minutes Slight surface bow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1414.72	95.99	Initial Hydro-static
1	15.28	95.58	Open To Flow (1)
30	18.57	95.85	Shut-In(1)
75	300.64	97.03	End Shut-In(1)
76	15.97	97.16	Open To Flow (2)
106	20.91	98.24	Shut-In(2)
151	300.89	99.31	End Shut-In(2)
153	1395.92	99.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	800 feet of gas in pipe	0.00
20.00	Mud	0.28

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Incorporated
1700 N Waterfront Parkway
Building 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

36-17s-10w Ellsworth,KS
Bushton #2-36
Job Ticket: 63045 **DST#: 2**
Test Start: 2015.08.24 @ 14:36:00

Tool Information

Drill Pipe:	Length: 2906.00 ft	Diameter: 3.80 inches	Volume: 40.76 bbl	Tool Weight: 2000.00 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: 70000.00 lb
		Total Volume: 40.76 bbl		Tool Chased 2.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	2905.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 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
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Shut-In Tool	5.00			2883.00	
Hydraulic tool	5.00			2888.00	
Jars	5.00			2893.00	
Safety Joint	2.00			2895.00	
Top Packer	5.00			2900.00	
Packer	5.00			2905.00	27.00 Bottom Of Top Packer
Anchor	10.00			2915.00	
Recorder	1.00	6838	Inside	2916.00	
Recorder	1.00	6663	Outside	2917.00	
Bullnose	3.00			2920.00	15.00 Anchor Tool
Total Tool Length:	42.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Incorporated

36-17s-10w Ellsworth,KS

1700 N Waterfront Parkway
Building 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

Bushton #2-36

Job Ticket: 63045

DST#: 2

Test Start: 2015.08.24 @ 14:36:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 44.00 sec/qt
Water Loss: 7.97 in³
Resistivity: ohm.m
Salinity: 5900.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	800 feet of gas in pipe	0.000
20.00	Mud	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

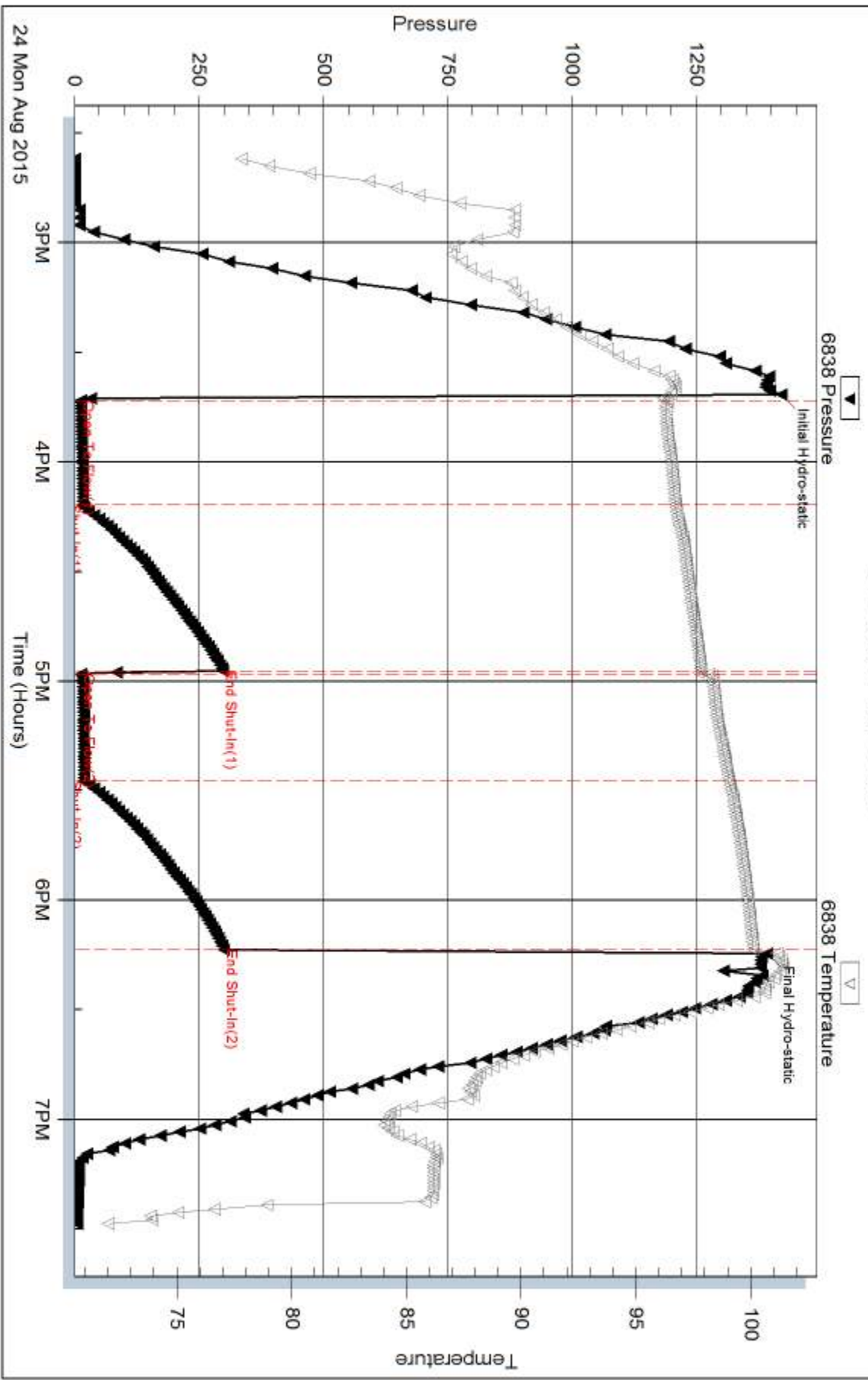
Serial #:

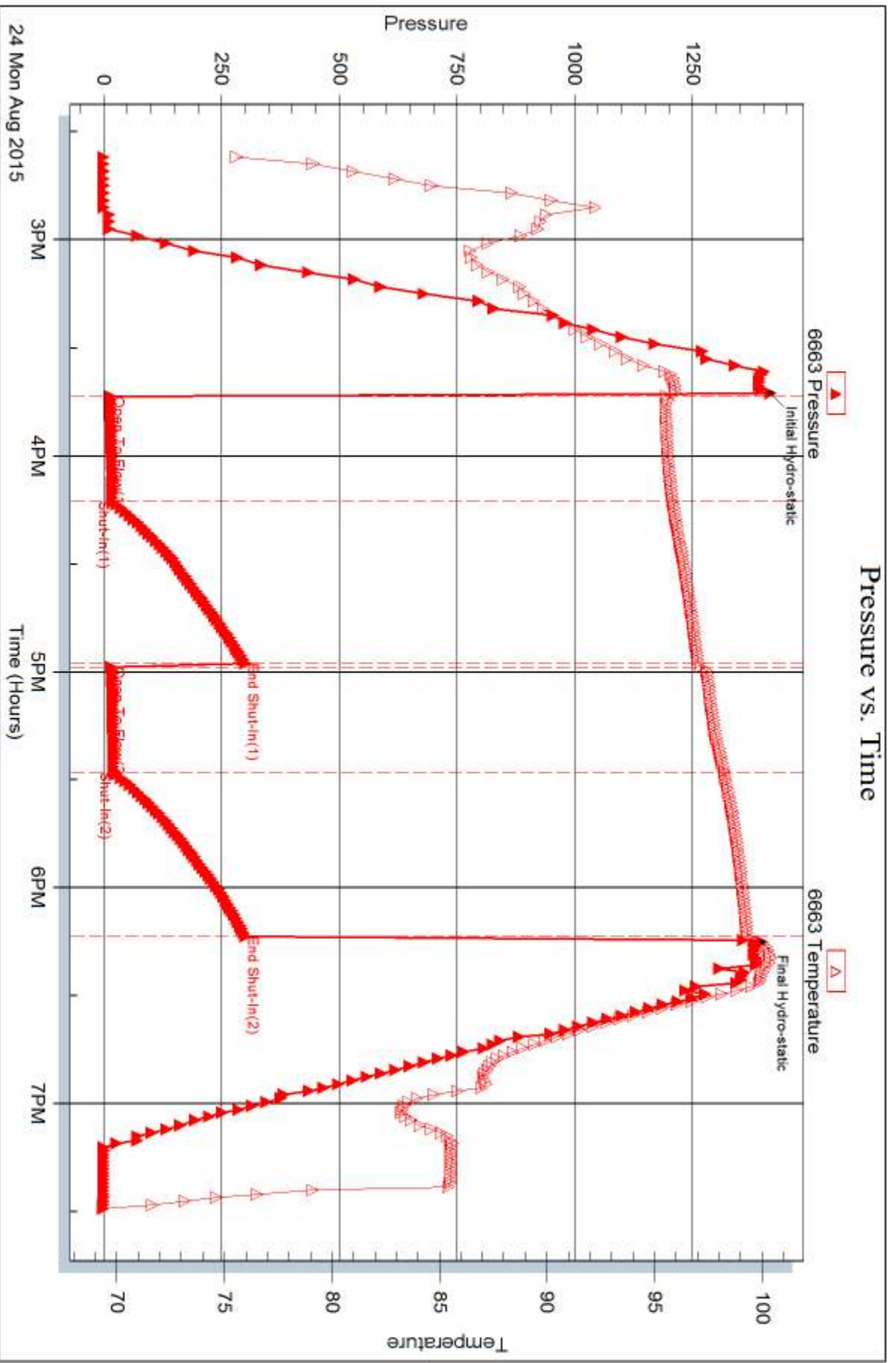
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **CMX Incorporated**

1700 N Waterfront Parkway
Building 300B
Wichita, KS 67206

ATTN: Ken LeBlanc

Bushton #2-36

36-17s-10w Ellsworth,KS

Start Date: 2015.08.25 @ 19:30:00

End Date: 2015.08.26 @ 00:12:00

Job Ticket #: 63046 DST #: 3

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

Printed: 2015.08.28 @ 14:20:29

CMX Incorporated

36-17s-10w Ellsworth,KS

Bushton #2-36

DST # 3

Pennsylvania Sand

2015.08.25



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

CMX Incorporated
1700 N Waterfront Parkway
Building 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

36-17s-10w Ellsworth,KS

Bushton #2-36

Job Ticket: 63046

DST#: 3

Test Start: 2015.08.25 @ 19:30:00

GENERAL INFORMATION:

Formation: **Pennsylvania Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:58:00

Time Test Ended: 00:12:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 58

Interval: 3190.00 ft (KB) To 32330.0 ft (KB) (TVD)

Reference Elevations: 1768.00 ft (KB)

Total Depth: 3230.00 ft (KB) (TVD)

1760.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6838 Inside

Press@RunDepth: 21.54 psig @ 3226.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.25 End Date: 2015.08.26

Last Calib.: 2015.08.26

Start Time: 19:31:00 End Time: 00:12:00

Time On Btm: 2015.08.25 @ 20:57:30

Time Off Btm: 2015.08.25 @ 22:59:30

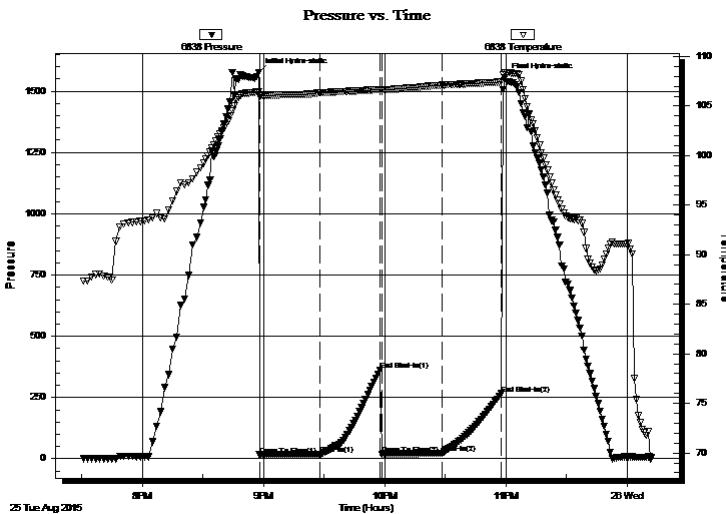
TEST COMMENT: IFP 30 Minutes Weak surface blow died in 10 minutes

ISI 30 Minutes No blow back

FFP 30 Minutes Dead no blow

FSI 30 Minutes No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1574.97	106.47	Initial Hydro-static
1	16.49	105.99	Open To Flow (1)
31	19.02	106.37	Shut-In(1)
60	361.28	106.68	End Shut-In(1)
61	19.99	106.63	Open To Flow (2)
91	21.54	107.10	Shut-In(2)
120	265.38	107.44	End Shut-In(2)
122	1554.77	108.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud with show of oil/Mud 100%	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

CMX Incorporated
1700 N Waterfront Parkway
Building 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

36-17s-10w Ellsworth,KS

Bushton #2-36

Job Ticket: 63046

DST#: 3

Test Start: 2015.08.25 @ 19:30:00

GENERAL INFORMATION:

Formation: **Pennsylvania Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:58:00

Time Test Ended: 00:12:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 58

Interval: 3190.00 ft (KB) To 32330.0 ft (KB) (TVD)

Reference Elevations: 1768.00 ft (KB)

Total Depth: 3230.00 ft (KB) (TVD)

1760.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6663 Outside

Press@RunDepth: 268.29 psig @ 3227.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.25

End Date: 2015.08.26

Last Calib.: 2015.08.25

Start Time: 19:31:00

End Time: 00:12:30

Time On Btm: 2015.08.25 @ 20:57:30

Time Off Btm: 2015.08.25 @ 22:59:30

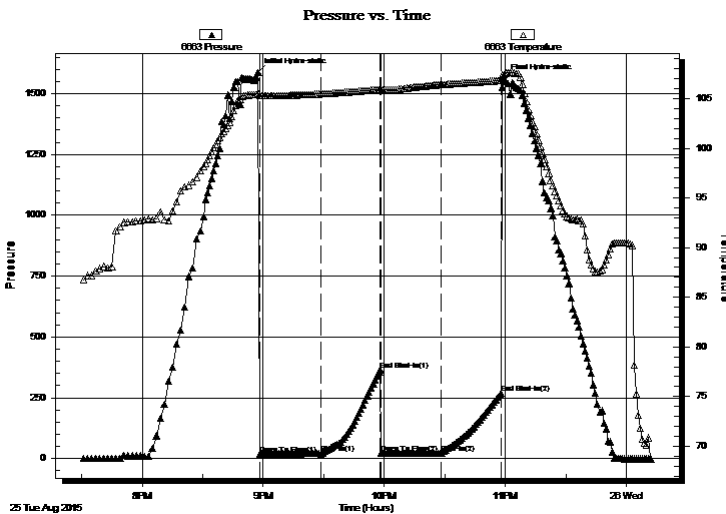
TEST COMMENT: IFP 30 Minutes Weak surface blow died in 10 minutes

ISI 30 Minutes No blow back

FFP 30 Minutes Dead no blow

FSI 30 Minutes No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1587.09	105.55	Initial Hydro-static
1	18.87	105.30	Open To Flow (1)
31	20.32	105.48	Shut-In(1)
61	364.10	105.93	End Shut-In(1)
61	21.36	105.84	Open To Flow (2)
91	22.39	106.40	Shut-In(2)
121	268.29	106.83	End Shut-In(2)
122	1559.96	107.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud with show of oil/Mud 100%	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Incorporated

36-17s-10w Ellsworth,KS

1700 N Waterfront Parkway
Building 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

Bushton #2-36

Job Ticket: 63046

DST#: 3

Test Start: 2015.08.25 @ 19:30:00

Tool Information

Drill Pipe:	Length: 3183.00 ft	Diameter: 3.80 inches	Volume: 44.65 bbl	Tool Weight: 2000.00 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: 44.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3190.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	67.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3168.00	
Hydraulic tool	5.00			3173.00	
Jars	5.00			3178.00	
Safety Joint	2.00			3180.00	
Top Packer	5.00			3185.00	
Packer	5.00			3190.00	27.00 Bottom Of Top Packer
Anchor	35.00			3225.00	
Recorder	1.00	6838	Inside	3226.00	
Recorder	1.00	6663	Outside	3227.00	
Bullnose	3.00			3230.00	40.00 Anchor Tool
Total Tool Length:	67.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Incorporated

36-17s-10w Ellsworth,KS

1700 N Waterfront Parkway
Building 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

Bushton #2-36

Job Ticket: 63046

DST#: 3

Test Start: 2015.08.25 @ 19:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 7.98 in³

Resistivity: ohm.m

Salinity: 5700.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud with show of oil/Mud 100%	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

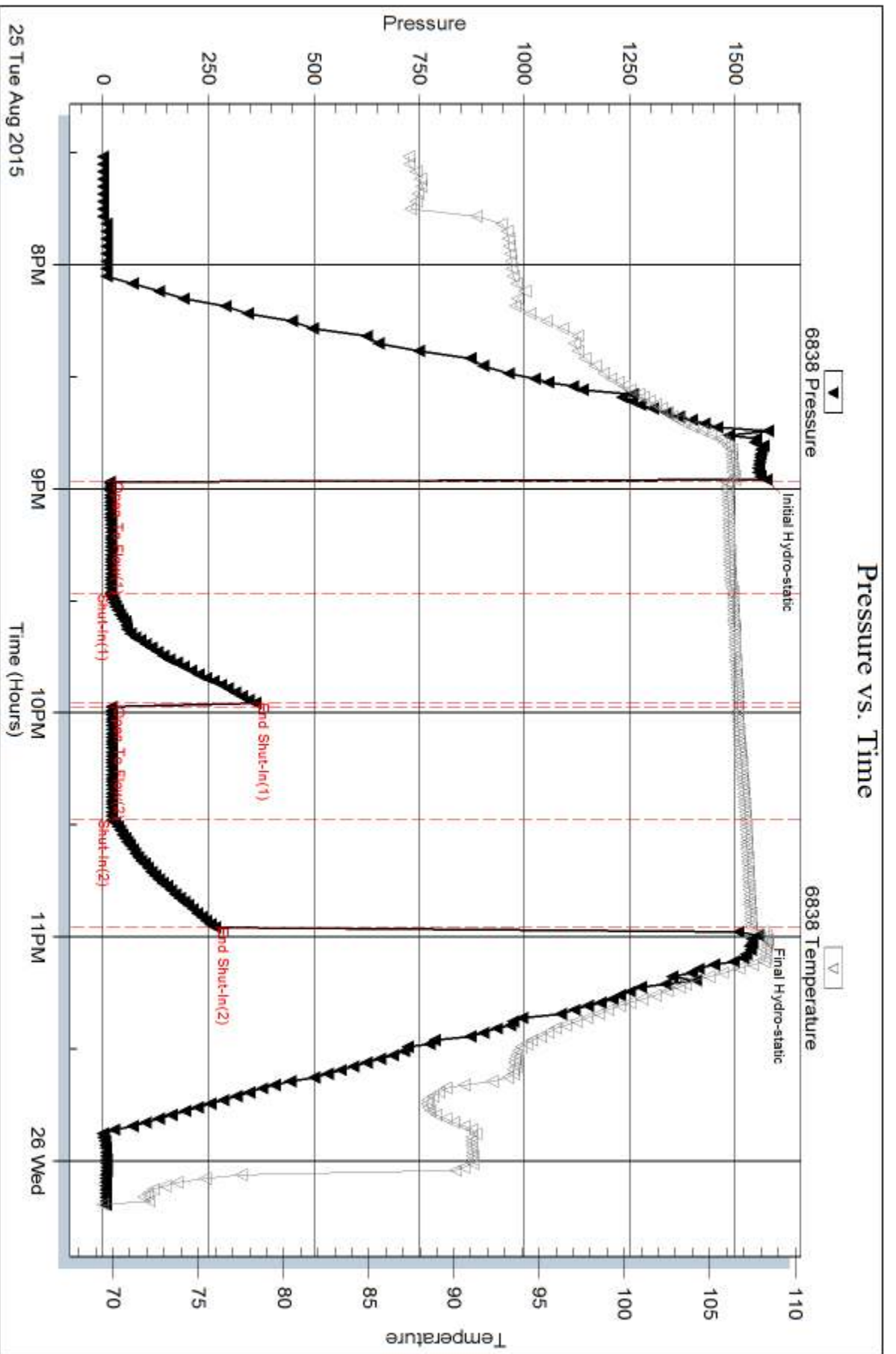
Num Gas Bombs: 0

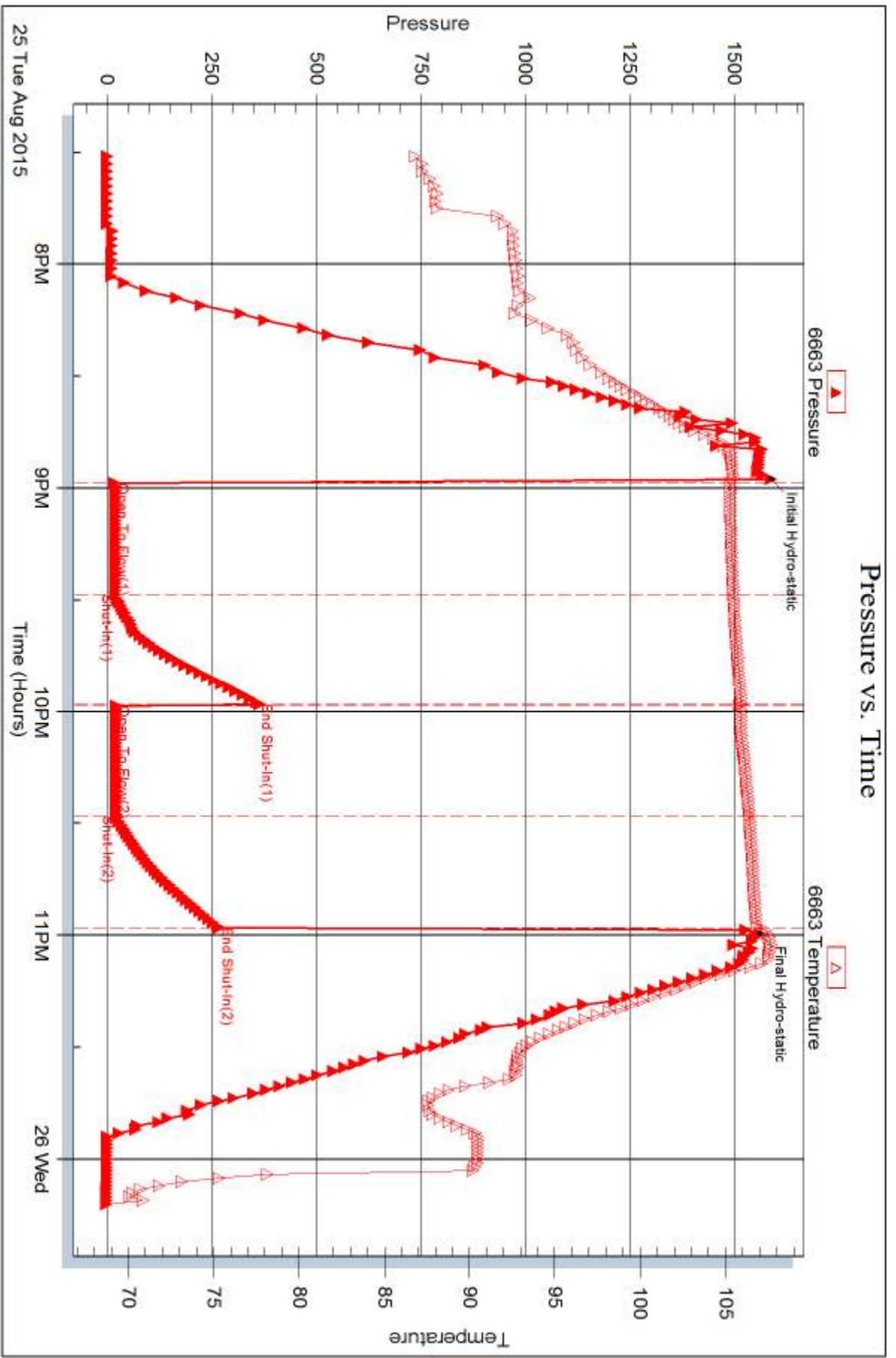
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **CMX Incorporated**

1700 N Waterfront Parkway
Building 300B
Wichita, KS 67206

ATTN: Ken LeBlanc

Bushton #2-36

36-17s-10w Ellsworth,KS

Start Date: 2015.08.26 @ 11:06:00

End Date: 2015.08.26 @ 15:33:00

Job Ticket #: 63047 DST #: 4

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

Printed: 2015.08.28 @ 10:58:09



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

CMX Incorporated
1700 N Waterfront Parkway
Building 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

36-17s-10w Ellsworth,KS

Bushton #2-36

Job Ticket: 63047

DST#: 4

Test Start: 2015.08.26 @ 11:06:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:15:00

Time Test Ended: 15:33:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 58

Interval: 3243.00 ft (KB) To 3250.00 ft (KB) (TVD)

Reference Elevations: 1768.00 ft (KB)

Total Depth: 3250.00 ft (KB) (TVD)

1760.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6838 Inside

Press@RunDepth: 15.76 psig @ 3246.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.26

End Date:

2015.08.26

Last Calib.:

2015.08.26

Start Time: 11:07:00

End Time:

15:33:00

Time On Btm:

2015.08.26 @ 12:14:00

Time Off Btm:

2015.08.26 @ 14:19:30

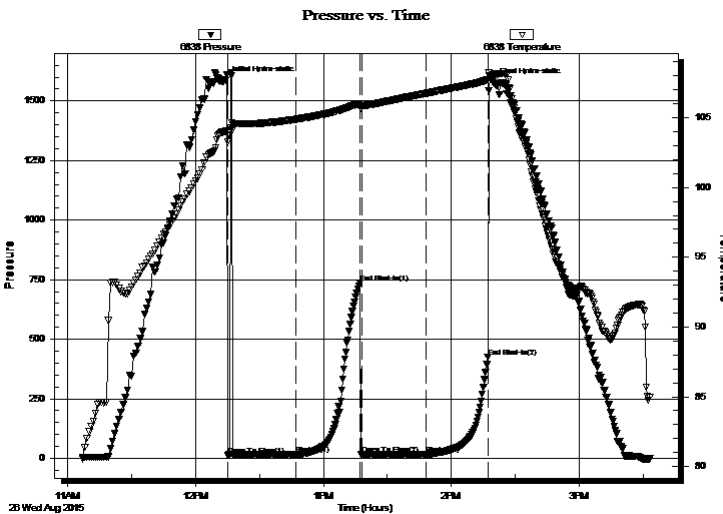
TEST COMMENT: IFP 30 Minutes Few bubbles at open then dead/Reset tool no change

ISI 30 Minutes No blow back

FFP 30 Minutes Dead no blow

FSI 30 Minutes No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1584.39	104.03	Initial Hydro-static
1	13.94	103.25	Open To Flow (1)
33	16.15	104.89	Shut-In(1)
63	736.97	106.01	End Shut-In(1)
64	16.02	105.85	Open To Flow (2)
94	15.76	106.74	Shut-In(2)
123	425.38	107.72	End Shut-In(2)
126	1577.47	108.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud 100%	0.01
0.50	Free Oil 100%	0.01

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

CMX Incorporated
 1700 N Waterfront Parkway
 Building 300B
 Wichita, KS 67206
 ATTN: Ken LeBlanc

36-17s-10w Ellsworth, KS

Bushton #2-36

Job Ticket: 63047

DST#: 4

Test Start: 2015.08.26 @ 11:06:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:15:00

Time Test Ended: 15:33:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 58

Interval: 3243.00 ft (KB) To 3250.00 ft (KB) (TVD)

Reference Elevations: 1768.00 ft (KB)

Total Depth: 3250.00 ft (KB) (TVD)

1760.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6663 Outside

Press@RunDepth: 425.60 psig @ 3247.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.26

End Date:

2015.08.26

Last Calib.:

2015.08.26

Start Time: 11:07:00

End Time:

15:34:00

Time On Btm:

2015.08.26 @ 12:14:30

Time Off Btm:

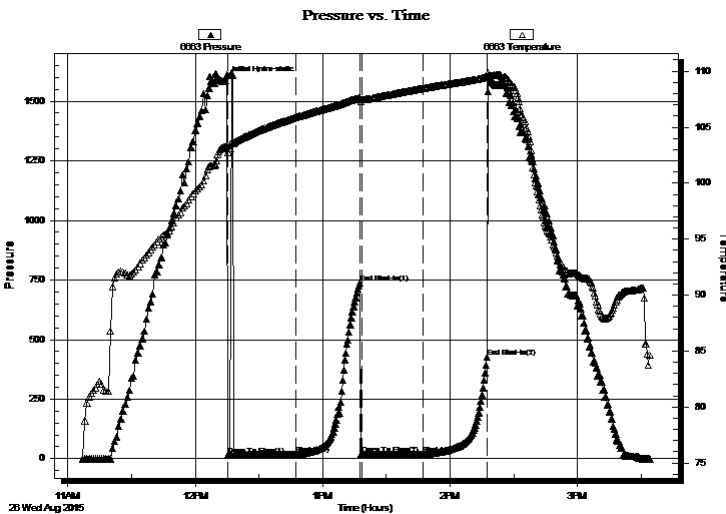
TEST COMMENT: IFP 30 Minutes Few bubbles at open then dead/Reset tool no change

ISI 30 Minutes No blow back

FFP 30 Minutes Dead no blow

FSI 30 Minutes No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1586.95	103.27	Initial Hydro-static
1	16.30	102.75	Open To Flow (1)
33	18.81	105.88	Shut-In(1)
63	738.52	107.63	End Shut-In(1)
64	18.86	107.46	Open To Flow (2)
93	18.18	108.47	Shut-In(2)
123	425.60	109.51	End Shut-In(2)

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud 100%	0.01
0.50	Free Oil 100%	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Incorporated
1700 N Waterfront Parkway
Building 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

36-17s-10w Ellsworth,KS
Bushton #2-36
Job Ticket: 63047 **DST#: 4**
Test Start: 2015.08.26 @ 11:06:00

Tool Information

Drill Pipe:	Length: 3247.00 ft	Diameter: 3.80 inches	Volume: 45.55 bbl	Tool Weight: 2000.00 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: 50000.00 lb
			<u>Total Volume: 45.55 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3243.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	7.00 ft			
Tool Length:	29.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Shut-In Tool	5.00			3226.00	
Hydraulic tool	5.00			3231.00	
Safety Joint	2.00			3233.00	
Top Packer	5.00			3238.00	
Packer	5.00			3243.00	22.00 Bottom Of Top Packer
Anchor	2.00			3245.00	
Recorder	1.00	6838	Inside	3246.00	
Recorder	1.00	6663	Outside	3247.00	
Bullnose	3.00			3250.00	7.00 Anchor Tool
Total Tool Length:	29.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Incorporated

36-17s-10w Ellsworth,KS

1700 N Waterfront Parkway
Building 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

Bushton #2-36

Job Ticket: 63047

DST#: 4

Test Start: 2015.08.26 @ 11:06:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 44.00 sec/qt
Water Loss: 7.98 in³
Resistivity: ohm.m
Salinity: 5700.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Mud 100%	0.014
0.50	Free Oil 100%	0.007

Total Length: 1.50 ft Total Volume: 0.021 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

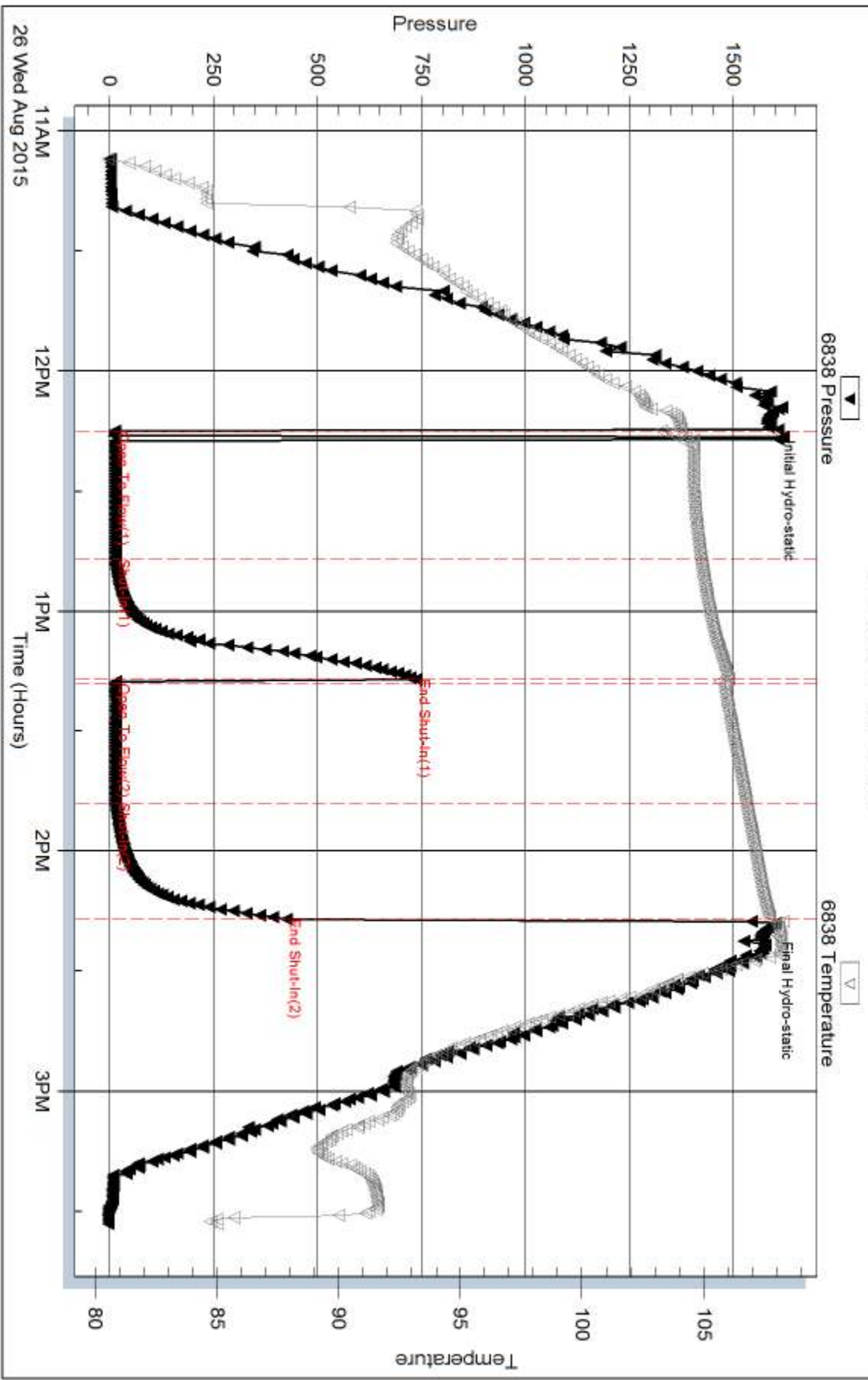
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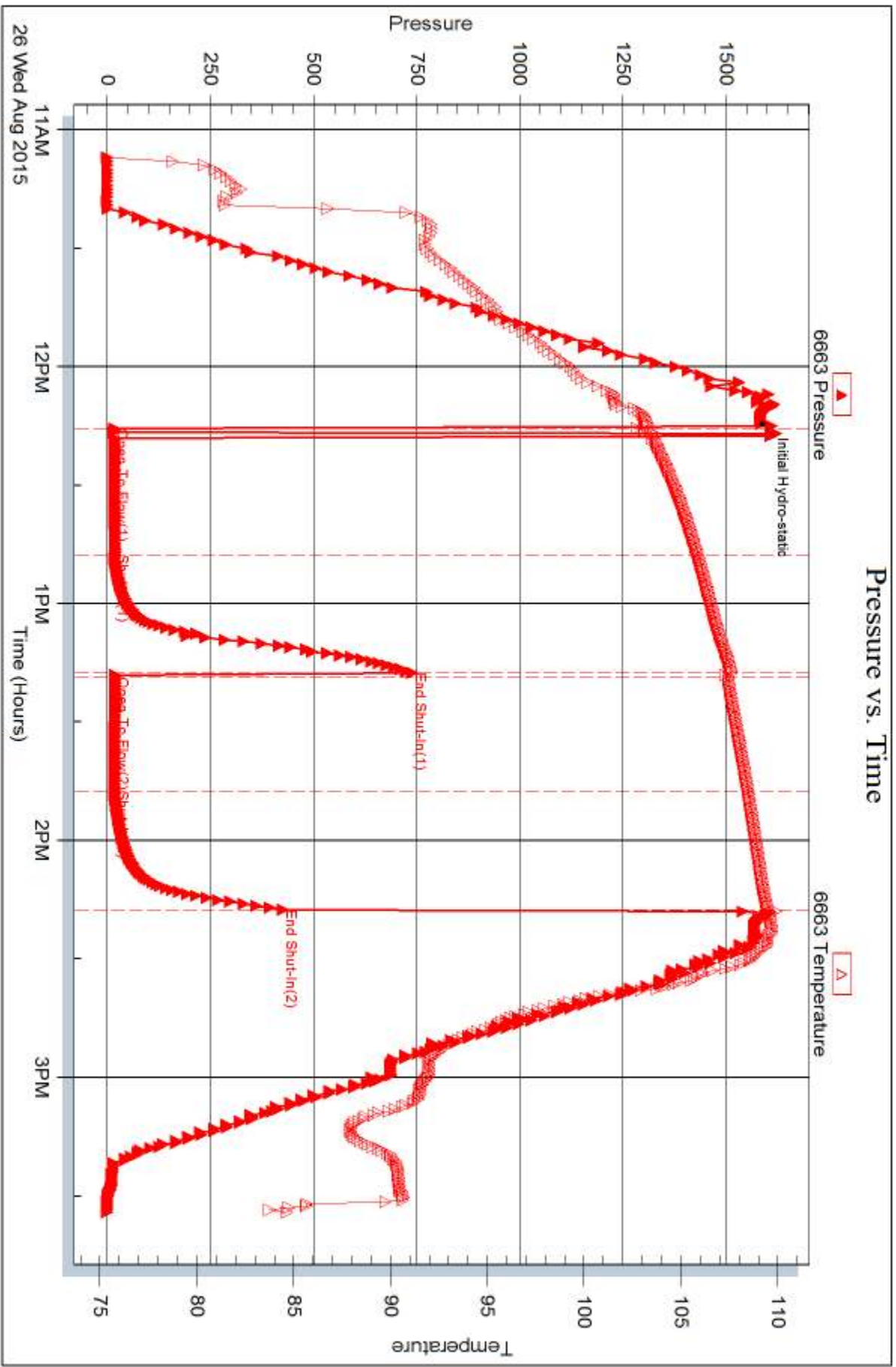
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **CMX Incorporated**

1700 N Waterfront Parkway
Building 300B
Wichita, KS 67206

ATTN: Ken LeBlanc

Bushton #2-36

36-17s-10w Ellsworth,KS

Start Date: 2015.08.26 @ 21:05:00

End Date: 2015.08.27 @ 03:51:00

Job Ticket #: 63048 DST #: 5

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

Printed: 2015.08.28 @ 10:56:47



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

CMX Incorporated
 1700 N Waterfront Parkway
 Building 300B
 Wichita, KS 67206
 ATTN: Ken LeBlanc

36-17s-10w Ellsworth,KS

Bushton #2-36

Job Ticket: 63048 **DST#: 5**

Test Start: 2015.08.26 @ 21:05:00

GENERAL INFORMATION:

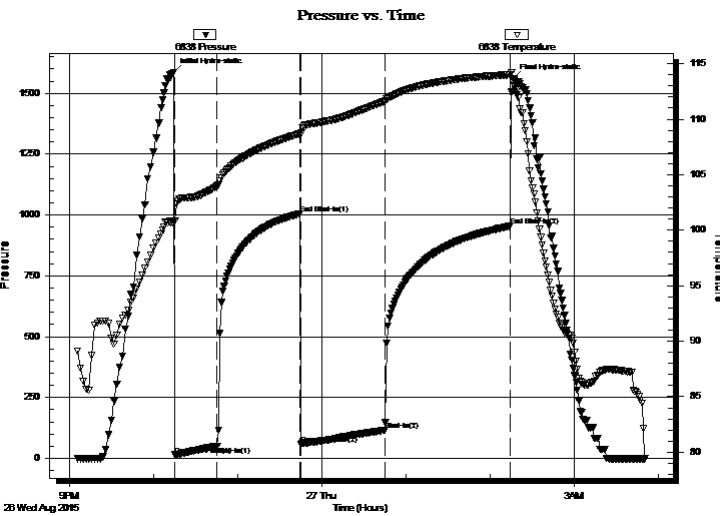
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:15:30
 Time Test Ended: 03:51:00
 Interval: **3250.00 ft (KB) To 3255.00 ft (KB) (TVD)**
 Total Depth: 3255.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 58
 Reference Elevations: 1768.00 ft (KB)
 1760.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6838

Inside

Press@RunDepth: 115.35 psig @ 3251.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.08.26 End Date: 2015.08.27 Last Calib.: 2015.08.27
 Start Time: 21:06:00 End Time: 03:51:00 Time On Btm: 2015.08.26 @ 22:14:30
 Time Off Btm: 2015.08.27 @ 02:17:00

TEST COMMENT: IFP 30 Minutes BOB in 15 minutes 30 seconds
 ISI 60 Minutes Light surface blow back for 10 minutes
 FFP 60 Minutes Fair blow built to 4 1/2" then died to 1"
 FSI 90 Minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1585.99	100.79	Initial Hydro-static
1	13.99	100.87	Open To Flow (1)
31	50.39	103.96	Shut-In(1)
90	1004.98	108.70	End Shut-In(1)
91	57.88	108.75	Open To Flow (2)
151	115.35	111.61	Shut-In(2)
240	953.89	114.00	End Shut-In(2)
243	1561.54	113.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	GHOCM Gas 10% Oil 40% Mud 50%	0.42
285.00	CGO Gas 35% Oil 65%	4.00
0.00	315' GIP	0.00

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

CMX Incorporated
 1700 N Waterfront Parkway
 Building 300B
 Wichita, KS 67206
 ATTN: Ken LeBlanc

36-17s-10w Ellsworth, KS

Bushton #2-36

Job Ticket: 63048 **DST#: 5**

Test Start: 2015.08.26 @ 21:05:00

GENERAL INFORMATION:

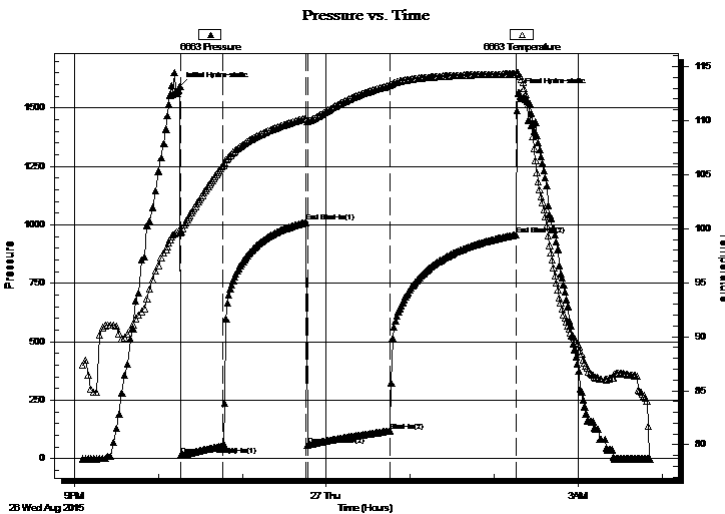
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:15:30
 Time Test Ended: 03:51:00
 Interval: **3250.00 ft (KB) To 3255.00 ft (KB) (TVD)**
 Total Depth: 3255.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 58
 Reference Elevations: 1768.00 ft (KB)
 1760.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6663 Outside

Press@RunDepth: 957.80 psig @ 3252.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.08.26 End Date: 2015.08.27 Last Calib.: 2015.08.27
 Start Time: 21:06:00 End Time: 03:51:30 Time On Btm: 2015.08.26 @ 22:15:30
 Time Off Btm: 2015.08.27 @ 02:17:00

TEST COMMENT: IFP 30 Minutes BOB in 15 minutes 30 seconds
 ISI 60 Minutes Light surface blow back for 10 minutes
 FFP 60 Minutes Fair blow built to 4 1/2" then died to 1"
 FSI 90 Minutes No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1592.01	99.88	Initial Hydro-static
1	16.32	99.58	Open To Flow (1)
31	53.44	105.79	Shut-In(1)
90	1011.17	110.21	End Shut-In(1)
91	58.69	109.95	Open To Flow (2)
150	119.37	113.25	Shut-In(2)
240	957.80	114.31	End Shut-In(2)
242	1564.37	114.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	GHOCM Gas 10% Oil 40% Mud 50%	0.42
285.00	CGO Gas 35% Oil 65%	4.00
0.00	315' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX Incorporated

36-17s-10w Ellsworth,KS

1700 N Waterfront Parkway
Building 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

Bushton #2-36

Job Ticket: 63048

DST#: 5

Test Start: 2015.08.26 @ 21:05:00

Tool Information

Drill Pipe:	Length: 3247.00 ft	Diameter: 3.80 inches	Volume: 45.55 bbl	Tool Weight: 2000.00 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: 52000.00 lb
			<u>Total Volume: 45.55 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3250.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	5.00 ft			
Tool Length:	27.00 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			3233.00	
Hydraulic tool	5.00			3238.00	
Safety Joint	2.00			3240.00	
Top Packer	5.00			3245.00	
Packer	5.00			3250.00	22.00 Bottom Of Top Packer
Recorder	1.00	6838	Inside	3251.00	
Recorder	1.00	6663	Outside	3252.00	
Bullnose	3.00			3255.00	5.00 Anchor Tool

Total Tool Length: 27.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX Incorporated

36-17s-10w Ellsworth,KS

1700 N Waterfront Parkway
Building 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

Bushton #2-36

Job Ticket: 63048

DST#: 5

Test Start: 2015.08.26 @ 21:05:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 40.00 sec/qt
Water Loss: 8.77 in³
Resistivity: ohm.m
Salinity: 6500.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 43 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	GHOCM Gas 10% Oil 40% Mud 50%	0.421
285.00	CGO Gas 35% Oil 65%	3.998
0.00	315' GIP	0.000

Total Length: 315.00 ft Total Volume: 4.419 bbl

Num Fluid Samples: 0

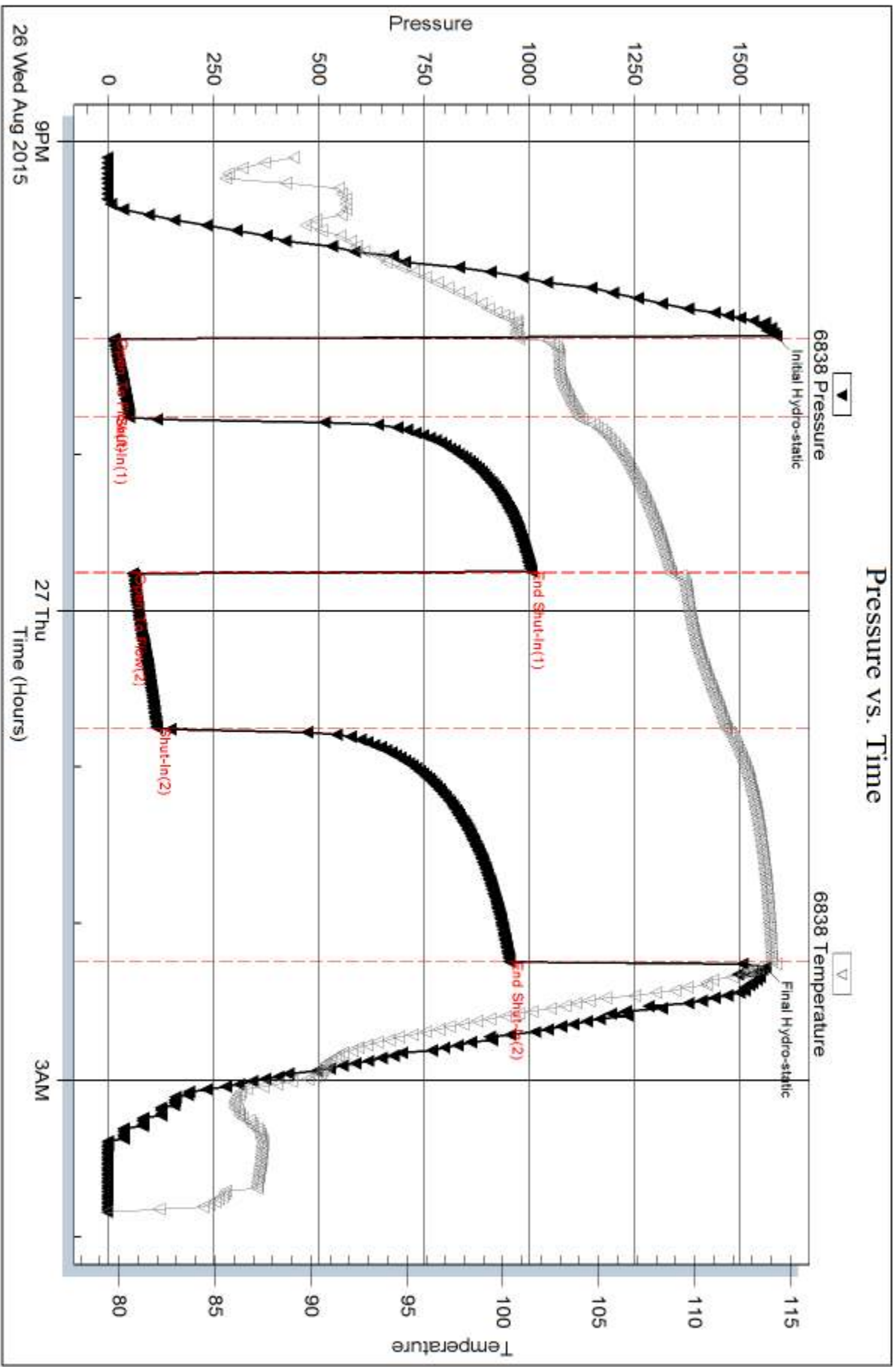
Num Gas Bombs: 0

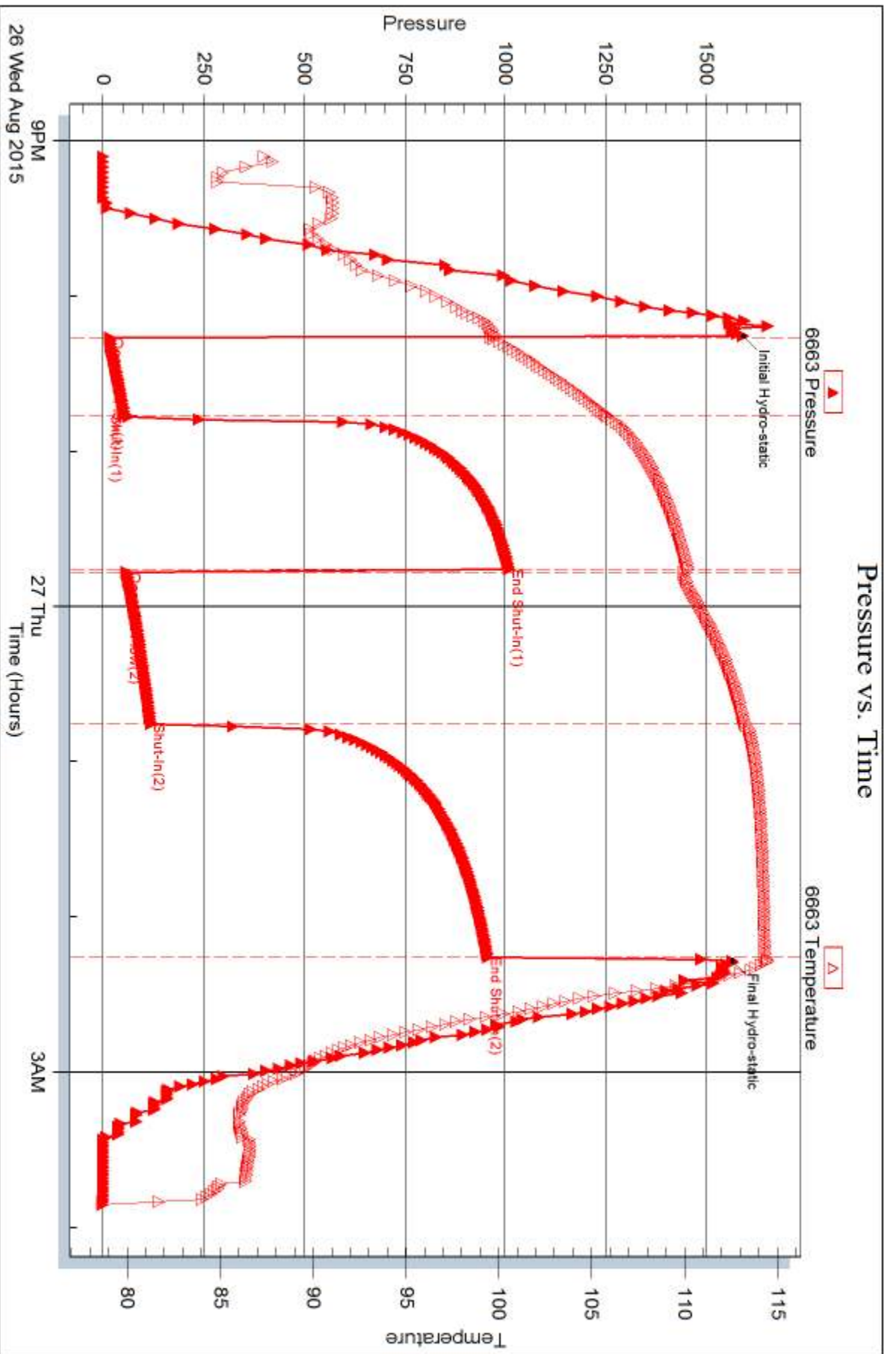
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63044**

4/10

Well Name & No. Bushion 2-36 Test No. 1 Date 24 Aug 15
 Company CMX Incorporated Elevation _____ KB 1760 GL _____
 Address 1700 North Waterfront parkway Building 300 B Wichita, Kansas 67206
 Co. Rep / Geo. Ken LeBlanc Rig Duke Rig #2
 Location: Sec. 36 Twp. 17S Rge. 10W Co. Ellsworth State KS

Interval Tested 2905-2920 Zone Tested Lansing/Kansas City zone B
 Anchor Length 15 Drill Pipe Run 2906 Mud Wt. 8.9
 Top Packer Depth 2900 Drill Collars Run — Vis 43
 Bottom Packer Depth 2905 Wt. Pipe Run — WL 10.0
 Total Depth 2920 Chlorides 6500 ppm System LCM _____
 Blow Description Tagged bottom 12ft high
Had to pull 50k over to pull back up
Pull test to recondition hole

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
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total _____ BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic _____ Test _____ 850 T-On Location 6:19 am
 (B) First Initial Flow _____ Jars _____ T-Started 8:01 am
 (C) First Final Flow _____ Safety Joint _____ 75 T-Open _____
 (D) Initial Shut-In _____ Circ Sub _____ T-Pulled 9:50 am
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out _____
 (F) Second Final Flow _____ Mileage _____ 56 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic _____ Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Initial Open _____ Extra Packer _____ Extra Copies _____
 Initial Shut-In _____ Extra Recorder _____ Sub Total 0
 Final Flow _____ Day Standby _____ Total 981
 Final Shut-In _____ Accessibility _____ MP/DST Disc't _____
 Sub Total 981

Approved By Ken LeBlanc

Our Representative [Signature]

TriLOBITE 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. 63045

Well Name & No. Bushton 2-36 Test No. 2 Date 24 Aug
 Company CMX Incorporated Elevation 1768 KB 1760 GL
 Address 1700 North Waterfront Parkway Building 300B Wichita Kansas 67206
 Co. Rep / Geo. Ken LeBlanc Rig Duke Rig #2
 Location: Sec. 36 Twp. 17S Rge. 10W Co. Ellsworth State KS

Interval Tested 2905-2920 Zone Tested Lansing / Kansas City zone B
 Anchor Length 20 Drill Pipe Run 2906 Mud Wt. 9.2
 Top Packer Depth 2900 Drill Collars Run - Vis 44
 Bottom Packer Depth 2905 Wt. Pipe Run - WL 8.0
 Total Depth 2920 Chlorides 5900 ppm System LCM

Blow Description Strong blow / Blow built to bottom of bucket in 15 seconds then died off
Slight surface blow back
Strong blow / Blow at bottom of bucket at open then died off
Slight surface blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>800</u>	<u>Gas in Pipe</u>	<u>100%</u>			
<u>20</u>	<u>Mud</u>				<u>100%</u>

Rec Total 20 BHT 101 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1420 Test 1050 T-On Location 1:52 pm
 (B) First Initial Flow 12 Jars 250 T-Started 2:36 pm
 (C) First Final Flow 16 Safety Joint 75 T-Open 3:42 pm
 (D) Initial Shut-In 298 Circ Sub _____ T-Pulled 6:12 pm
 (E) Second Initial Flow 13 Hourly Standby _____ T-Out 7:30 pm
 (F) Second Final Flow 18 Mileage 56 Comments _____
 (G) Final Shut-In 300 Sampler _____
 (H) Final Hydrostatic 1391 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

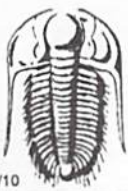
Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 45

Sub Total 1375

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1375
 MP/DST Disc't _____

Approved By Ken LeBlanc Our Representative [Signature]

Trilobite 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. **63046**

Well Name & No. Bushton 2-36 Test No. 3 Date 25 Aug 15
 Company Cmx Incorporated Elevation 1768 KB 1760 GL
 Address 1700 North Waterfront Parkway Building 300B Wichita, Kansas 67206
 Co. Rep / Geo. Ken LeBlanc Rig Duke Rig 2
 Location: Sec. 36 Twp. 17S Rge. 10W Co. Ellsworth State K5

Interval Tested 3190-3230 Zone Tested Pennsylvania Sand
 Anchor Length 40 Drill Pipe Run 3183 Mud Wt. 9.4
 Top Packer Depth 3185 Drill Collars Run - Vis 44
 Bottom Packer Depth 3190 Wt. Pipe Run - WL 8.0
 Total Depth 3230 Chlorides 5700 ppm System LCM _____

Blow Description Weak surface bbw/Blow died in 10 minutes
No blow back
Dead no blow
No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Mud with show of oil</u>			<u>100</u>	
____	____	____	____	____	____
____	____	____	____	____	____
____	____	____	____	____	____
____	____	____	____	____	____

Rec Total 10 BHT 108 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1574</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>6:54 pm</u>
(B) First Initial Flow <u>16</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>7:30 pm</u>
(C) First Final Flow <u>19</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>8:57 pm</u>
(D) Initial Shut-In <u>361</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>10:57 pm</u>
(E) Second Initial Flow <u>19</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>12:12 am</u>
(F) Second Final Flow <u>21</u>	<input checked="" type="checkbox"/> Mileage <u>56</u> <u>56</u>	Comments _____
(G) Final Shut-In <u>265</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>1554</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1431</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1431</u>	

Approved By _____ Our Representative [Signature]

Trilobite 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. **63047**

Well Name & No. Bushton 2-36 Test No. 4 Date 26 Aug 15
 Company CMX Incorporated Elevation 1768 KB 1760 GL
 Address 1700 North Waterfront Parkway Building 300 B Wichita Kansas 67206
 Co. Rep / Geo. Ken LeBlanc Rig _____
 Location: Sec. 36 Twp. 17S Rge. 10W Co. Ellsworth State KS

Interval Tested 3243-3250 Zone Tested Arbuckle
 Anchor Length 7 Drill Pipe Run 3247 Mud Wt. 9.4
 Top Packer Depth 3238 Drill Collars Run - Vis 44
 Bottom Packer Depth 3243 Wt. Pipe Run - WL 8.0
 Total Depth 3250 Chlorides 5700 ppm System LCM _____
 Blow Description Few bubbles of open then dead / Reset tool no change
No blow back
Dead no blow
No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Mud</u>			<u>100%</u>	
<u>.5</u>	<u>Free Oil</u>		<u>100%</u>		
_____	_____				
_____	_____				

Rec Total 1.5 BHT 108 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1584 Test 1050 T-On Location 10:54 am
 (B) First Initial Flow 13 Jars _____ T-Started 1:06 am
 (C) First Final Flow 16 Safety Joint 75 T-Open 1:17 pm
 (D) Initial Shut-In 736 Circ Sub _____ T-Pulled 3:17 pm
 (E) Second Initial Flow 16 Hourly Standby _____ T-Out 4:33 pm
 (F) Second Final Flow 15 Mileage 56 56 Comments _____
 (G) Final Shut-In 425 Sampler _____
 (H) Final Hydrostatic 1577 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Sub Total 1181

Sub Total 1181

MP/DST Disc't _____

Approved By Ken LeBlanc Our Representative [Signature]

Trilobite 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. 63048

Well Name & No. Buhton 2-36 Test No. 5 Date 26 Aug 15
 Company CMX Incorporated Elevation 1768 KB 1760 GL
 Address 1700 North Waterfront Parkway Building 300 B Wichita Kansas 67206
 Co. Rep / Geo. Ken LeBlanc Rig Duke Rig 2
 Location: Sec. 36 Twp. 17S Rge. 10W Co. Ellsworth State KS

Interval Tested 3250-3255 Zone Tested Arbuckle
 Anchor Length 5 Drill Pipe Run 3247 Mud Wt. 9.4
 Top Packer Depth 3245 Drill Collars Run — Vis 40
 Bottom Packer Depth 3250 Wt. Pipe Run — WL 8.8
 Total Depth 3255 Chlorides 6500 ppm System LCM
 Blow Description Good blow/Blow built to bottom of bucket in 15 min 30 sec
Light surface blow back for 10 minutes
Fair blow/Blow built to 4 1/2 inches then died back to 1 inch
No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Gas cut Oily Mud</u>	<u>10%</u>	<u>40%</u>	<u>50%</u>	<u>—</u>
<u>285</u>	<u>Clean Gassy Oil</u>	<u>35%</u>	<u>65%</u>	<u>—</u>	<u>—</u>
<u>315</u>	<u>Gas in pipe</u>	<u>100%</u>	<u>—</u>	<u>—</u>	<u>—</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 315 BHT 114 Gravity 43 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1585 Test 1050 T-On Location Stayed on location
 (B) First Initial Flow 13 Jars — T-Started 9:05 pm
 (C) First Final Flow 50 Safety Joint 75 T-Open 10:15 pm
 (D) Initial Shut-In 1004 Circ Sub — T-Pulled 2:15 am
 (E) Second Initial Flow 57 Hourly Standby — T-Out 3:51 am
 (F) Second Final Flow 115 Mileage 56 56 Comments —
 (G) Final Shut-In 953 Sampler —
 (H) Final Hydrostatic 1561 Straddle — Ruined Shale Packer —
 Shale Packer — Ruined Packer —
 Extra Packer — Extra Copies —
 Extra Recorder — Sub Total 0
 Day Standby — Total 1181
 Accessibility — MP/DST Disc't —
 Sub Total 1181

Approved By Ken LeBlanc Our Representative [Signature]

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