



DRILL STEM TEST REPORT

Prepared For: **CMX inc**

1700 N Waterfront PKWY
Bldg 300B
Wichita, KS 67206

ATTN: Ken LeBlanc

Aussie 1-16

16-27S-14W Pratt

Start Date: 2016.05.22 @ 15:37:03

End Date: 2016.05.22 @ 23:45:48

Job Ticket #: 57990 DST #: 1

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

Printed: 2016.05.26 @ 13:09:20

CMX inc
16-27S-14W Pratt
Aussie 1-16
DST # 1
Lansing H
2016.05.22



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

CMX inc
1700 N Waterfront PKWY
Bldg 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

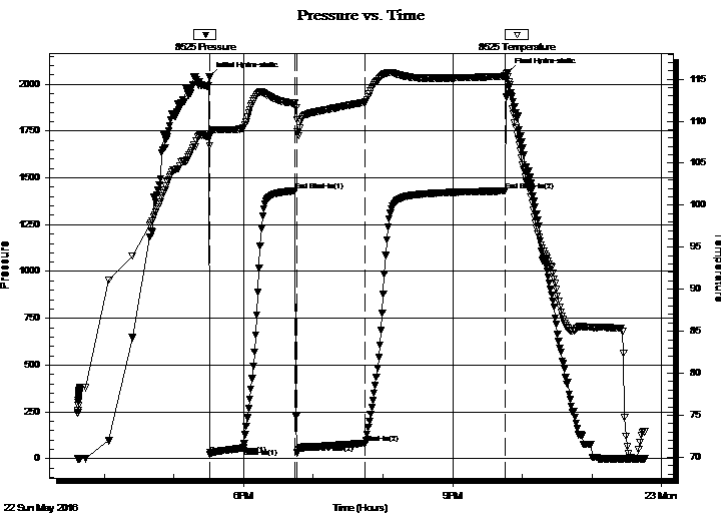
16-27S-14W Pratt
Aussie 1-16
Job Ticket: 57990 **DST#: 1**
Test Start: 2016.05.22 @ 15:37:03

GENERAL INFORMATION:

Formation: **Lansing H**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 17:30:33 Tester: Leal Cason
Time Test Ended: 23:45:48 Unit No: 74
Interval: 4106.00 ft (KB) To 4125.00 ft (KB) (TVD) Reference Elevations: 2043.00 ft (KB)
Total Depth: 4125.00 ft (KB) (TVD) 2029.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 14.00 ft

Serial #: 8525 Inside
Press@RunDepth: 82.94 psig @ 4107.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2016.05.22 End Date: 2016.05.22 Last Calib.: 2016.05.22
Start Time: 15:37:04 End Time: 23:45:48 Time On Btm: 2016.05.22 @ 17:30:18
Time Off Btm: 2016.05.22 @ 21:47:18

TEST COMMENT: IF: Strong Blow , BOB in 2 minutes
IS: No Blow Back
FF: Strong Blow , BOB immediate, GTS in 26 minutes, TSTM, Caught Sample
FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2039.15	108.15	Initial Hydro-static
1	24.22	107.11	Open To Flow (1)
30	57.69	109.20	Shut-In(1)
74	1430.87	112.14	End Shut-In(1)
76	30.62	110.20	Open To Flow (2)
135	82.94	112.28	Shut-In(2)
255	1429.65	115.36	End Shut-In(2)
257	2063.62	115.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GTS	0.00
182.00	GMCO 20%G 30%M 50%O	0.90
30.00	GMCO 10%G 20%M 70%O	0.42

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

CMX inc

16-27S-14W Pratt

1700 N Waterfront PKWY
Bldg 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

Aussie 1-16

Job Ticket: 57990

DST#: 1

Test Start: 2016.05.22 @ 15:37:03

GENERAL INFORMATION:

Formation: **Lansing H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:30:33

Time Test Ended: 23:45:48

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 74

Interval: **4106.00 ft (KB) To 4125.00 ft (KB) (TVD)**

Reference Elevations: 2043.00 ft (KB)

Total Depth: 4125.00 ft (KB) (TVD)

2029.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 14.00 ft

Serial #: 6806 Outside

Press@RunDepth: psig @ 4107.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.05.22 End Date: 2016.05.22

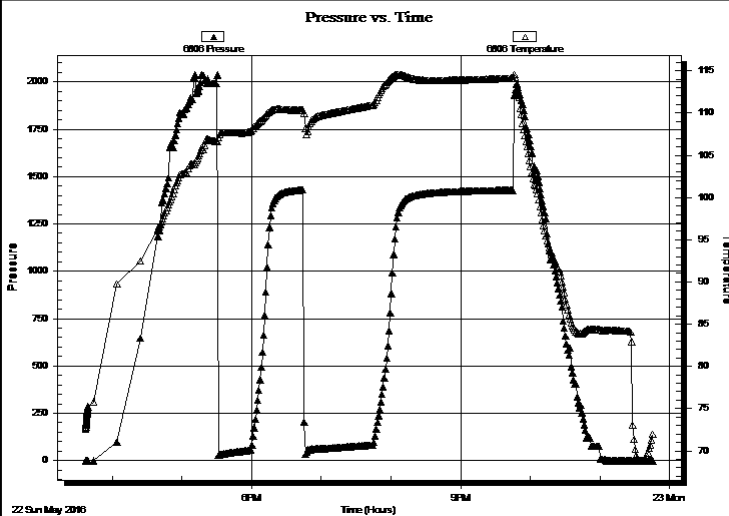
Last Calib.: 2016.05.22

Start Time: 15:37:04 End Time: 23:45:33

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Strong Blow , BOB in 2 minutes
IS: No Blow Back
FF: Strong Blow , BOB immediate, GTS in 26 minutes, TSTM, Caught Sample
FS: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GTS	0.00
182.00	GMCO 20%G 30%M 50%O	0.90
30.00	GMCO 10%G 20%M 70%O	0.42

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX inc
1700 N Waterfront PKWY
Bldg 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

16-27S-14W Pratt
Aussie 1-16
Job Ticket: 57990 **DST#: 1**
Test Start: 2016.05.22 @ 15:37:03

Tool Information

Drill Pipe:	Length: 3935.00 ft	Diameter: 3.80 inches	Volume: 55.20 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: 182.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 56.10 bbl</u>	Tool Chased 12.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4106.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	40.00 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			4090.00	
Hydraulic tool	5.00			4095.00	
Safety Joint	2.00			4097.00	
Packer	5.00			4102.00	21.00 Bottom Of Top Packer
Packer	4.00			4106.00	
Stubb	1.00			4107.00	
Recorder	0.00	8525	Inside	4107.00	
Recorder	0.00	6806	Outside	4107.00	
Perforations	15.00			4122.00	
Bullnose	3.00			4125.00	19.00 Bottom Packers & Anchor
Total Tool Length:	40.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX inc

16-27S-14W Pratt

1700 N Waterfront PKWY
Bldg 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

Aussie 1-16

Job Ticket: 57990

DST#: 1

Test Start: 2016.05.22 @ 15:37:03

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 51.00 sec/qt
Water Loss: 9.18 in³
Resistivity: ohm.m
Salinity: 4100.00 ppm
Filter Cake: 0.02 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	GTS	0.000
182.00	GMCO 20%G 30%M 50%O	0.895
30.00	GMCO 10%G 20%M 70%O	0.421

Total Length: 212.00 ft Total Volume: 1.316 bbl

Num Fluid Samples: 0

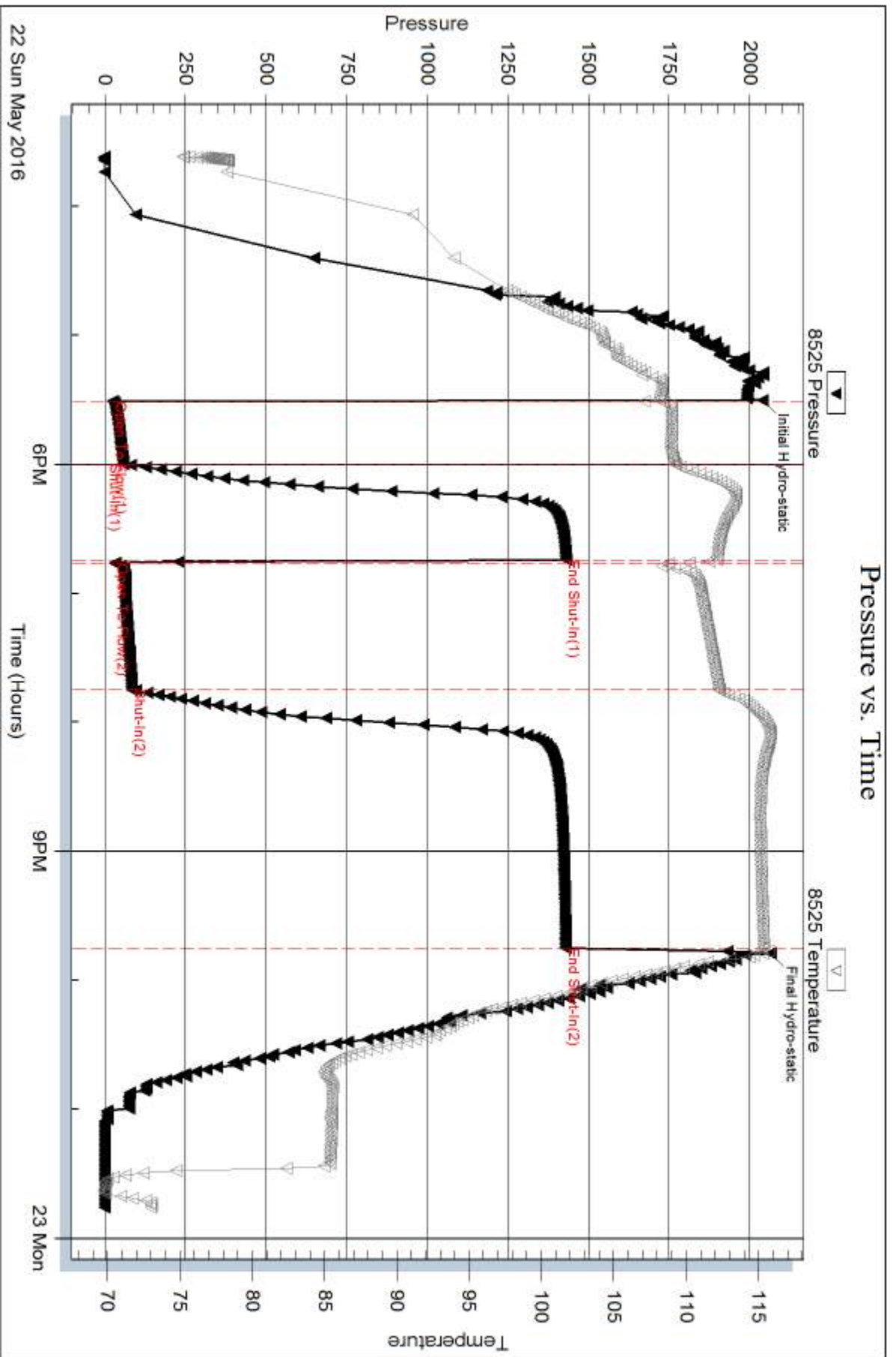
Num Gas Bombs: 0

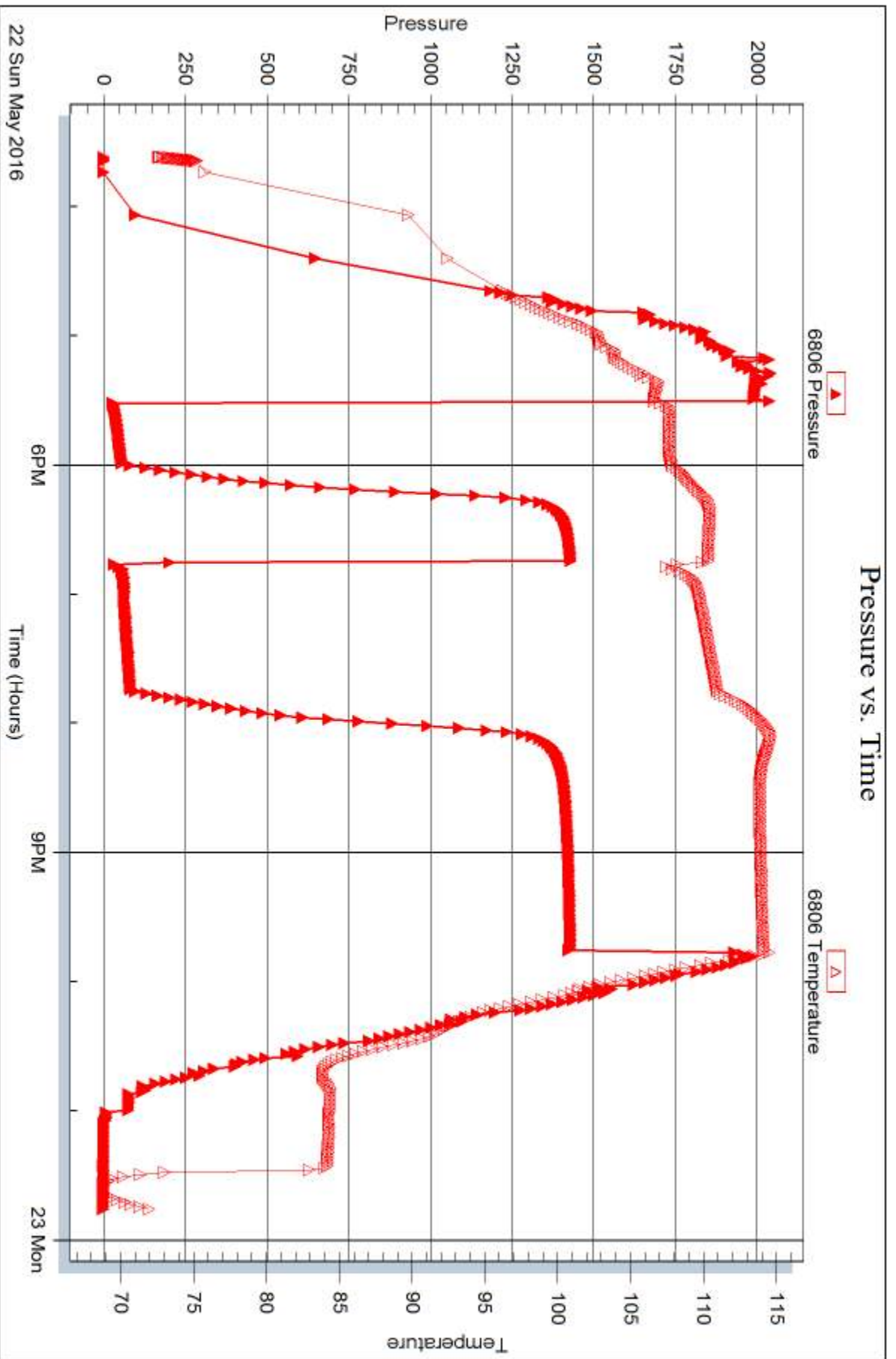
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **CMX inc**

1700 N Waterfront PKWY
Bldg 300B
Wichita, KS 67206

ATTN: Ken LeBlanc

Aussie 1-16

16-27S-14W Pratt

Start Date: 2016.05.23 @ 05:43:35

End Date: 2016.05.23 @ 12:54:20

Job Ticket #: 57991 DST #: 2

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

Printed: 2016.05.26 @ 13:08:53

CMX inc
16-27S-14W Pratt
Aussie 1-16
DST # 2
Lansing "B"
2016.05.23



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

CMX inc
 1700 N Waterfront PKWY
 Bldg 300B
 Wichita, KS 67206
 ATTN: Ken LeBlanc

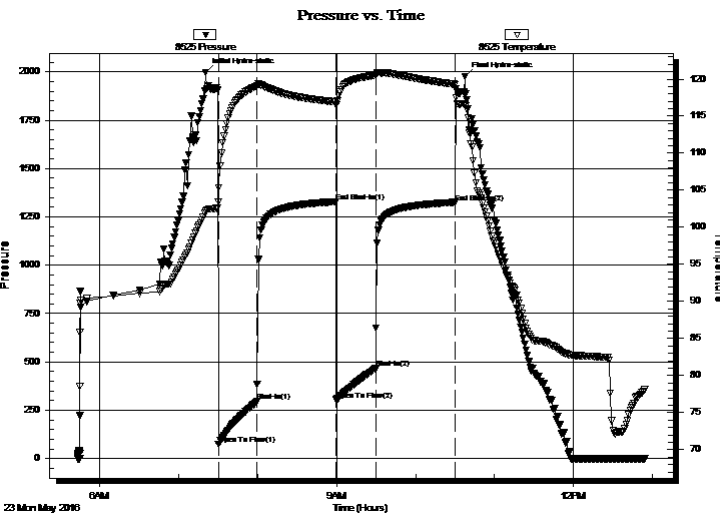
16-27S-14W Pratt
Aussie 1-16
 Job Ticket: 57991 **DST#: 2**
 Test Start: 2016.05.23 @ 05:43:35

GENERAL INFORMATION:

Formation: **Lansing "B"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:30:20
 Time Test Ended: 12:54:20
Interval: 3988.00 ft (KB) To 4010.00 ft (KB) (TVD)
 Total Depth: 4125.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Straddle (Reset)
 Tester: Leal Cason
 Unit No: 74
 Reference Elevations: 2043.00 ft (KB)
 2029.00 ft (CF)
 KB to GR/CF: 14.00 ft

Serial #: 8525 Inside
 Press@RunDepth: 466.06 psig @ 3989.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.05.23 End Date: 2016.05.23 Last Calib.: 2016.05.23
 Start Time: 05:43:36 End Time: 12:54:20 Time On Btm: 2016.05.23 @ 07:20:50
 Time Off Btm: 2016.05.23 @ 10:37:35

TEST COMMENT: IF: Strong Blow , BOB in 90 seconds, GTS in 8 minutes, TSTM, Caught Sample
 IS: 1 inch Blow Back
 FF: Strong Blow , GTS immediate, BOB in 5 minutes TSTM
 FS: 1/2 inch Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1996.84	102.21	Initial Hydro-static
10	75.33	103.47	Open To Flow (1)
39	294.78	119.08	Shut-In(1)
99	1328.54	116.91	End Shut-In(1)
99	304.44	116.51	Open To Flow (2)
129	466.06	120.51	Shut-In(2)
189	1325.14	119.28	End Shut-In(2)
197	1973.85	116.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3103 GIP	0.00
728.00	Water	8.55
128.00	OMCW 10%O 40%M 50%W	1.80
30.00	MWCO 30%M 32%W 38%O	0.42

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

CMX inc
1700 N Waterfront PKWY
Bldg 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

16-27S-14W Pratt

Aussie 1-16

Job Ticket: 57991

DST#: 2

Test Start: 2016.05.23 @ 05:43:35

GENERAL INFORMATION:

Formation: Lansing "B"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:30:20

Time Test Ended: 12:54:20

Test Type: Conventional Straddle (Reset)

Tester: Leal Cason

Unit No: 74

Interval: 3988.00 ft (KB) To 4010.00 ft (KB) (TVD)

Total Depth: 4125.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2043.00 ft (KB)

2029.00 ft (CF)

KB to GR/CF: 14.00 ft

Serial #: 6806 Outside

Press@RunDepth: psig @ 3989.00 ft (KB)

Start Date: 2016.05.23

End Date: 2016.05.23

Start Time: 05:43:36

End Time: 12:59:20

Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm:

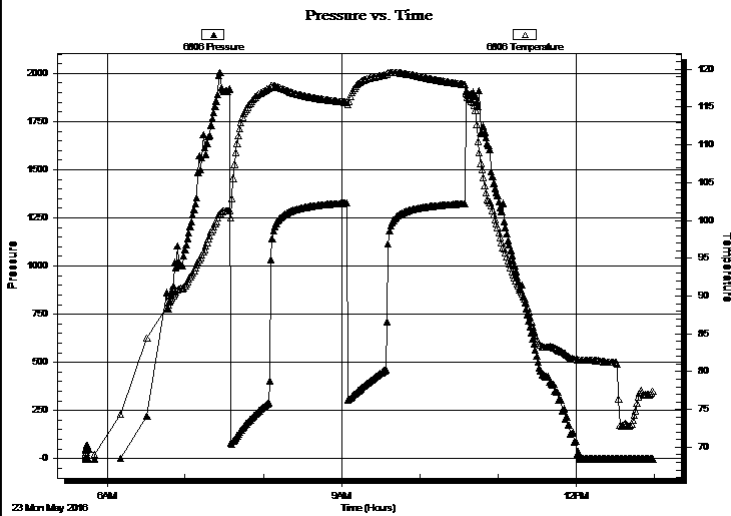
Time Off Btm:

TEST COMMENT: IF: Strong Blow, BOB in 90 seconds, GTS in 8 minutes, TSTM, Caught Sample

IS: 1 inch Blow Back

FF: Strong Blow, GTS immediate, BOB in 5 minutes TSTM

FS: 1/2 inch Blow Back



PRESSURE SUMMARY

Table with 4 columns: Time (Min.), Pressure (psig), Temp (deg F), Annotation

Recovery

Table with 3 columns: Length (ft), Description, Volume (bbl)

Gas Rates

Table with 4 columns: Choke (inches), Pressure (psig), Gas Rate (Mcf/d)

* Recovery from multiple tests



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

CMX inc
 1700 N Waterfront PKWY
 Bldg 300B
 Wichita, KS 67206
 ATTN: Ken LeBlanc

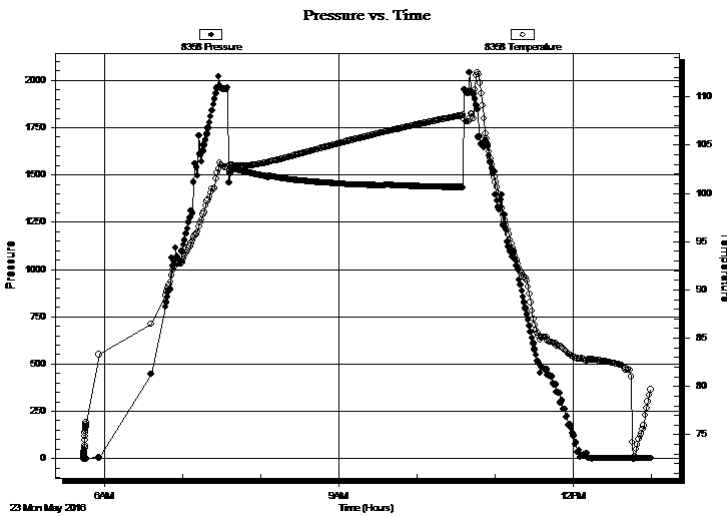
16-27S-14W Pratt
Aussie 1-16
 Job Ticket: 57991 **DST#: 2**
 Test Start: 2016.05.23 @ 05:43:35

GENERAL INFORMATION:

Formation: **Lansing "B"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:30:20
 Time Test Ended: 12:54:20
 Test Type: Conventional Straddle (Reset)
 Tester: Leal Cason
 Unit No: 74
Interval: 3988.00 ft (KB) To 4010.00 ft (KB) (TVD)
 Total Depth: 4125.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Reference Elevations: 2043.00 ft (KB)
 2029.00 ft (CF)
 KB to GR/CF: 14.00 ft

Serial #: 8358 Below (Straddle)
 Press@RunDepth: psig @ 4025.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.05.23 End Date: 2016.05.23 Last Calib.: 1899.12.30
 Start Time: 05:43:36 End Time: 12:59:50 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Strong Blow , BOB in 90 seconds, GTS in 8 minutes, TSTM, Caught Sample
 IS: 1 inch Blow Back
 FF: Strong Blow , GTS immediate, BOB in 5 minutes TSTM
 FS: 1/2 inch Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3103 GIP	0.00
728.00	Water	8.55
128.00	OMCW 10%O 40%M 50%W	1.80
30.00	MWCO 30%M 32%W 38%O	0.42

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX inc
1700 N Waterfront PKWY
Bldg 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

16-27S-14W Pratt
Aussie 1-16
Job Ticket: 57991 **DST#: 2**
Test Start: 2016.05.23 @ 05:43:35

Tool Information

Drill Pipe:	Length: 3807.00 ft	Diameter: 3.80 inches	Volume: 53.40 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: 25000.00 lb
Drill Collar:	Length: 182.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 54.30 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3988.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	4010.00 ft			
Interval between Packers:	22.00 ft			
Tool Length:	158.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments: Straddle was Successful

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3972.00	
Hydraulic tool	5.00			3977.00	
Safety Joint	2.00			3979.00	
Packer	5.00			3984.00	21.00 Bottom Of Top Packer
Packer	4.00			3988.00	
Stubb	1.00			3989.00	
Recorder	0.00	8525	Inside	3989.00	
Recorder	0.00	6806	Outside	3989.00	
Perforations	19.00			4008.00	
Change Over Sub	1.00			4009.00	
Blank Off Sub	1.00			4010.00	22.00 Tool Interval
Packer	3.00			4013.00	
Perforations	11.00			4024.00	
Change Over Sub	1.00			4025.00	
Recorder	0.00	8358	Below	4025.00	
Drill Pipe	96.00			4121.00	
Change Over Sub	1.00			4122.00	
Bullnose	3.00			4125.00	115.00 Bottom Packers & Anchor

Total Tool Length: 158.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX inc

16-27S-14W Pratt

1700 N Waterfront PKWY
Bldg 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

Aussie 1-16

Job Ticket: 57991

DST#: 2

Test Start: 2016.05.23 @ 05:43:35

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 51.00 sec/qt
Water Loss: 9.17 in³
Resistivity: ohm.m
Salinity: 4100.00 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: 76000 ppm

Recovery Information

Recovery Table

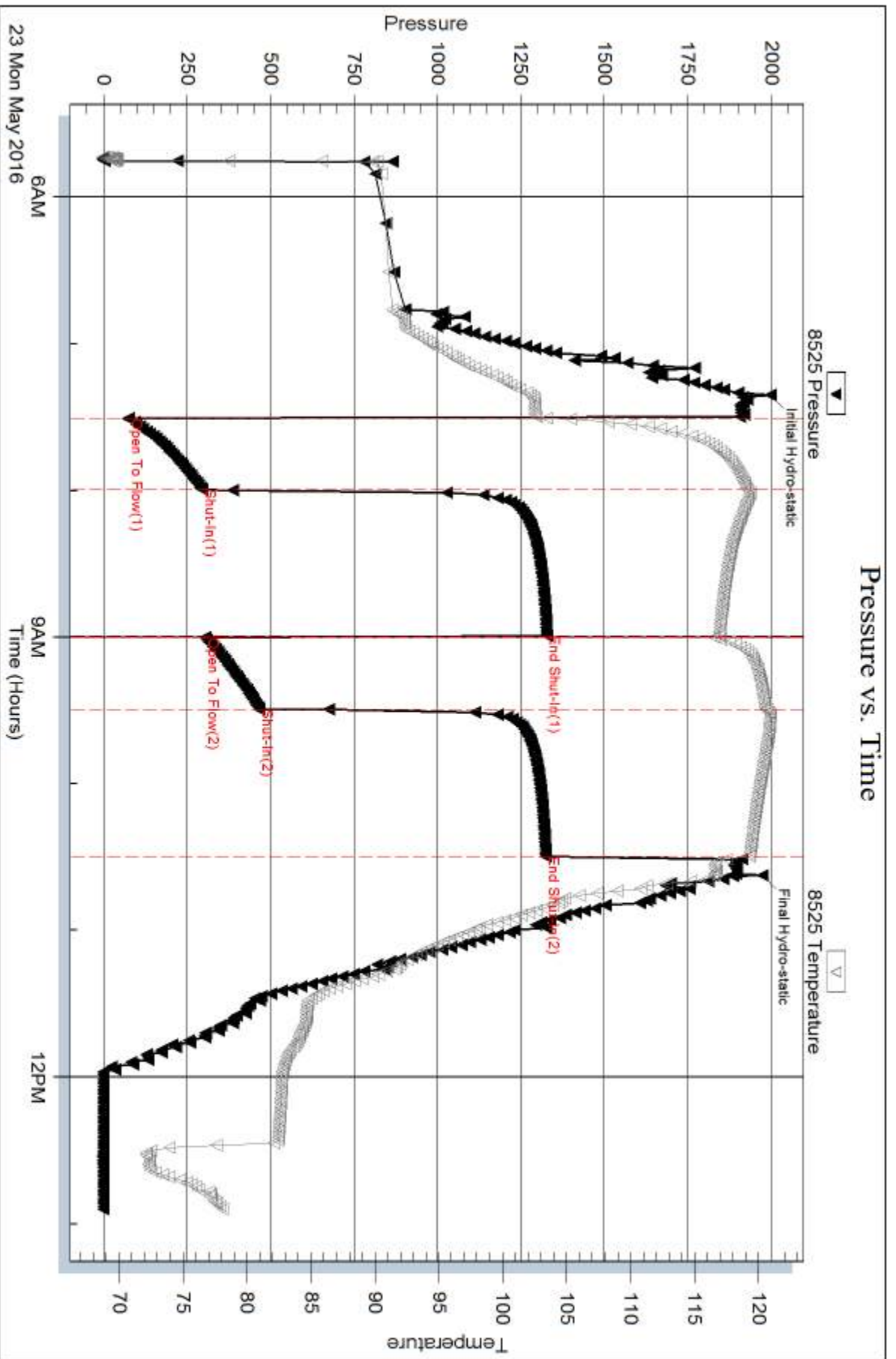
Length ft	Description	Volume bbl
0.00	3103 GIP	0.000
728.00	Water	8.554
128.00	OMCW 10%O 40%M 50%W	1.796
30.00	MWCO 30%M 32%W 38%O	0.421

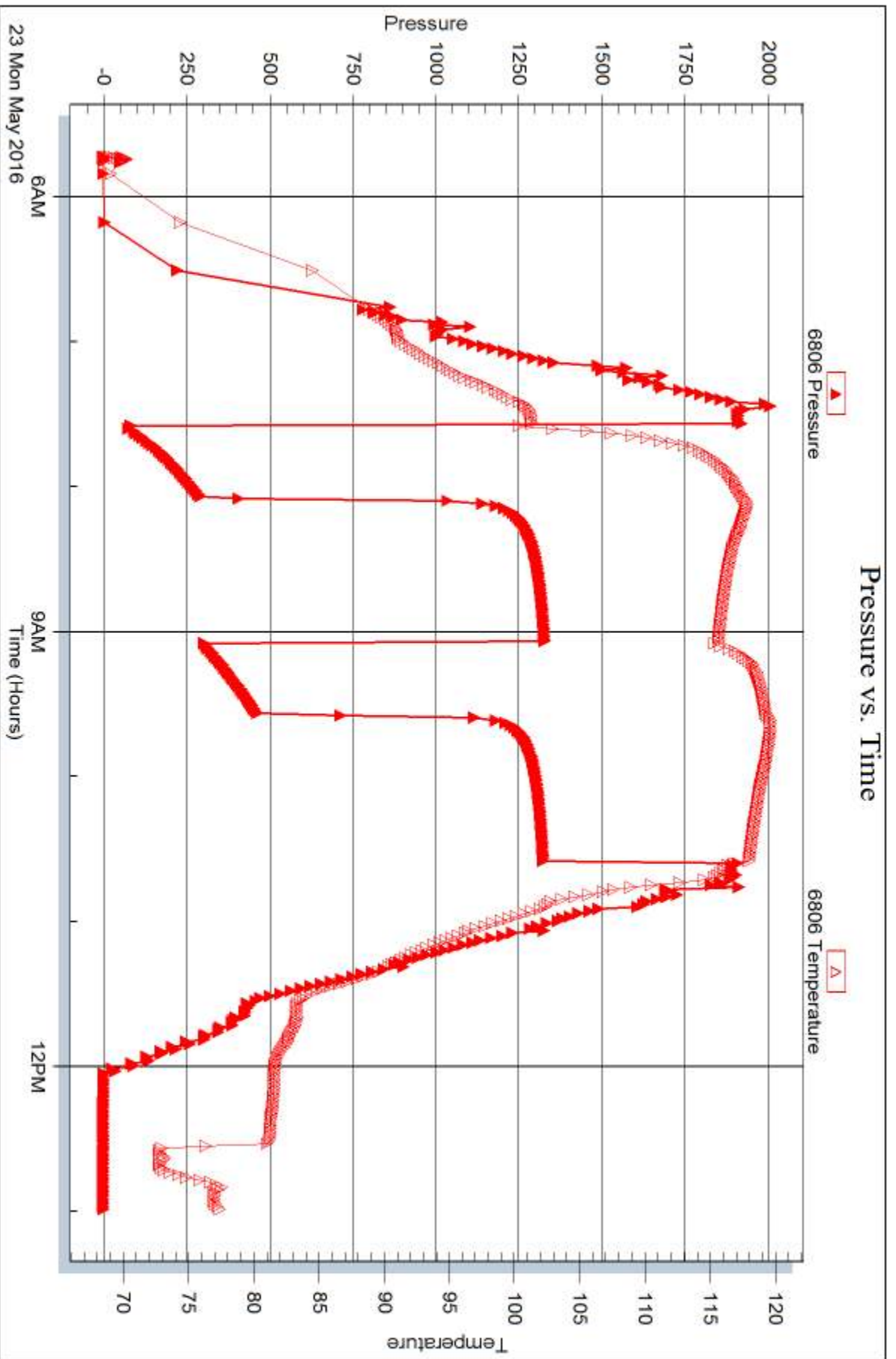
Total Length: 886.00 ft Total Volume: 10.771 bbl

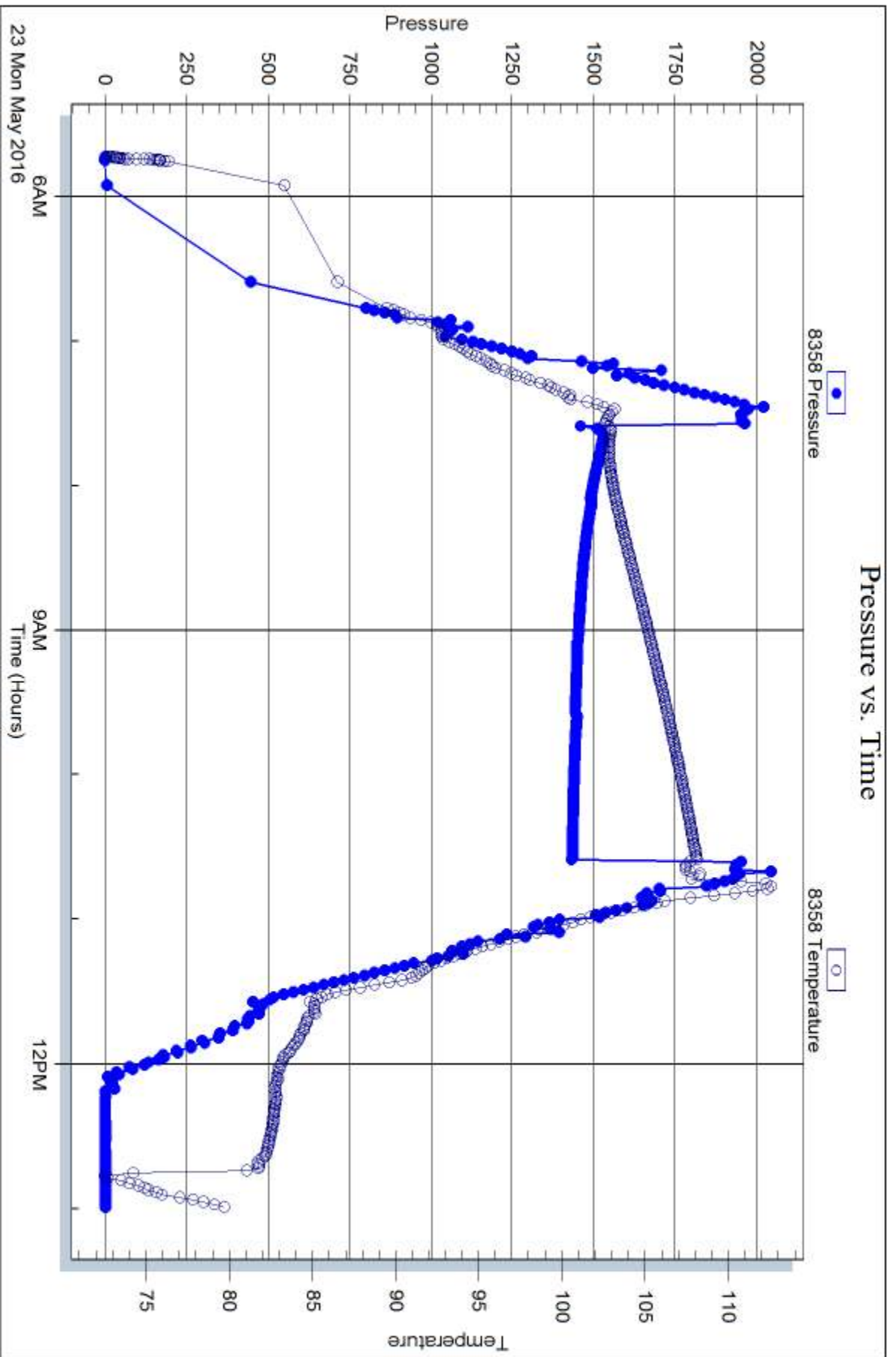
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW w as .09 @ 80 degrees









DRILL STEM TEST REPORT

Prepared For: **CMX inc**

1700 N Waterfront PKWY
Bldg 300B
Wichita, KS 67206

ATTN: Ken LeBlanc

Aussie 1-16

16-27S-14W Pratt

Start Date: 2016.05.24 @ 21:26:42

End Date: 2016.05.25 @ 06:02:12

Job Ticket #: 57992 DST #: 3

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

Printed: 2016.05.26 @ 13:06:02

CMX inc
16-27S-14W Pratt
Aussie 1-16
DST # 3
Mississippi
2016.05.24



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

CMX inc
1700 N Waterfront PKWY
Bldg 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

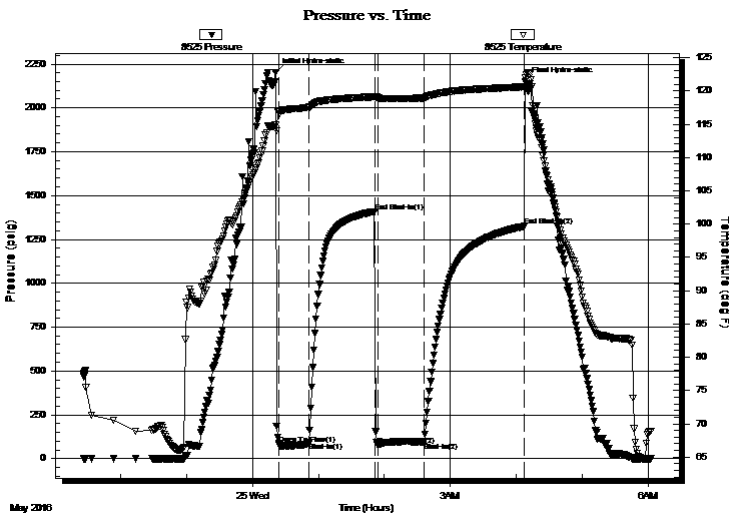
16-27S-14W Pratt
Aussie 1-16
Job Ticket: 57992 **DST#: 3**
Test Start: 2016.05.24 @ 21:26:42

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 00:24:12 Tester: Leal Cason
Time Test Ended: 06:02:12 Unit No: 74
Interval: 4380.00 ft (KB) To 4450.00 ft (KB) (TVD) Reference Elevations: 2043.00 ft (KB)
Total Depth: 4450.00 ft (KB) (TVD) 2029.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 14.00 ft

Serial #: 8525 Inside
Press@RunDepth: 95.85 psig @ 4381.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2016.05.24 End Date: 2016.05.25 Last Calib.: 2016.05.25
Start Time: 21:26:43 End Time: 06:02:12 Time On Btm: 2016.05.25 @ 00:20:57
Time Off Btm: 2016.05.25 @ 04:07:57

TEST COMMENT: IF: Strong Blow , BOB in 1 minute, GTS in 12 minutes, Gauged Gas & Caught Sample
IS: Blow Back Built to BOB in 30 minutes
FF: Strong Blow , BOB & GTS immediate, Gauged Gas
FS: 1/2 inch Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2202.37	114.83	Initial Hydro-static
4	82.35	116.79	Open To Flow (1)
31	91.15	117.47	Shut-In(1)
91	1409.44	119.13	End Shut-In(1)
93	77.19	119.01	Open To Flow (2)
136	95.85	118.93	Shut-In(2)
226	1324.81	120.63	End Shut-In(2)
227	2151.78	122.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GTS	0.00
190.00	SGCM 5%G 95%M	1.01

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	9.00	37.12
Last Gas Rate	0.25	26.00	64.09
Max. Gas Rate	0.25	26.00	64.09



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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1700 N Waterfront PKWY
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Wichita, KS 67206
ATTN: Ken LeBlanc

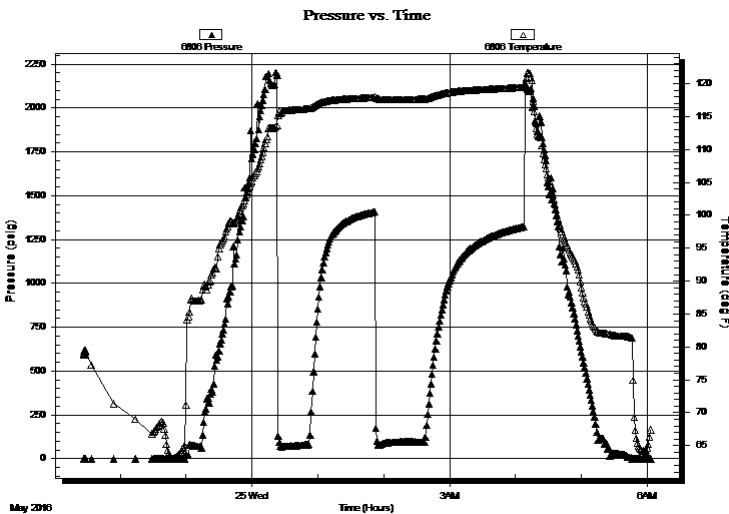
16-27S-14W Pratt
Aussie 1-16
Job Ticket: 57992 **DST#: 3**
Test Start: 2016.05.24 @ 21:26:42

GENERAL INFORMATION:

Formation: Mississippi			
Deviated: No Whipstock:		ft (KB)	Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 00:24:12			Tester: Leal Cason
Time Test Ended: 06:02:12			Unit No: 74
Interval: 4380.00 ft (KB) To 4450.00 ft (KB) (TVD)			Reference Elevations: 2043.00 ft (KB)
Total Depth: 4450.00 ft (KB) (TVD)			2029.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Good		KB to GR/CF: 14.00 ft

Serial #: 6806	Outside				
Press@RunDepth: psig @	4381.00 ft (KB)	Capacity:	8000.00 psig		
Start Date: 2016.05.24	End Date: 2016.05.25	Last Calib.:	2016.05.25		
Start Time: 21:26:43	End Time: 06:03:27	Time On Btm:			
		Time Off Btm:			

TEST COMMENT: IF: Strong Blow , BOB in 1 minute, GTS in 12 minutes, Gauged Gas & Caught Sample
 IS: Blow Back Built to BOB in 30 minutes
 FF: Strong Blow , BOB & GTS immediate, Gauged Gas
 FS: 1/2 inch Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GTS	0.00
190.00	SGCM 5%G 95%M	1.01

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	9.00	37.12
Last Gas Rate	0.25	26.00	64.09
Max. Gas Rate	0.25	26.00	64.09

* 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: Ken LeBlanc

16-27S-14W Pratt
Aussie 1-16
Job Ticket: 57992 **DST#: 3**
Test Start: 2016.05.24 @ 21:26:42

Tool Information

Drill Pipe:	Length: 4186.00 ft	Diameter: 3.80 inches	Volume: 58.72 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: 182.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 59.62 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4380.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	91.00 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			4364.00	
Hydraulic tool	5.00			4369.00	
Safety Joint	2.00			4371.00	
Packer	5.00			4376.00	21.00 Bottom Of Top Packer
Packer	4.00			4380.00	
Stubb	1.00			4381.00	
Recorder	0.00	8525	Inside	4381.00	
Recorder	0.00	6806	Outside	4381.00	
Perforations	7.00			4388.00	
Change Over Sub	1.00			4389.00	
Drill Pipe	32.00			4421.00	
Change Over Sub	1.00			4422.00	
Perforations	25.00			4447.00	
Bullnose	3.00			4450.00	70.00 Bottom Packers & Anchor

Total Tool Length: 91.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX inc

16-27S-14W Pratt

1700 N Waterfront PKWY
Bldg 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

Aussie 1-16

Job Ticket: 57992

DST#: 3

Test Start: 2016.05.24 @ 21:26:42

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 51.00 sec/qt
Water Loss: 9.18 in³
Resistivity: ohm.m
Salinity: 4100.00 ppm
Filter Cake: 0.02 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	GTS	0.000
190.00	SGCM 5%G 95%M	1.007

Total Length: 190.00 ft Total Volume: 1.007 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

CMX inc

16-27S-14W Pratt

1700 N Waterfront PKWY
Bldg 300B
Wichita, KS 67206
ATTN: Ken LeBlanc

Aussie 1-16

Job Ticket: 57992

DST#: 3

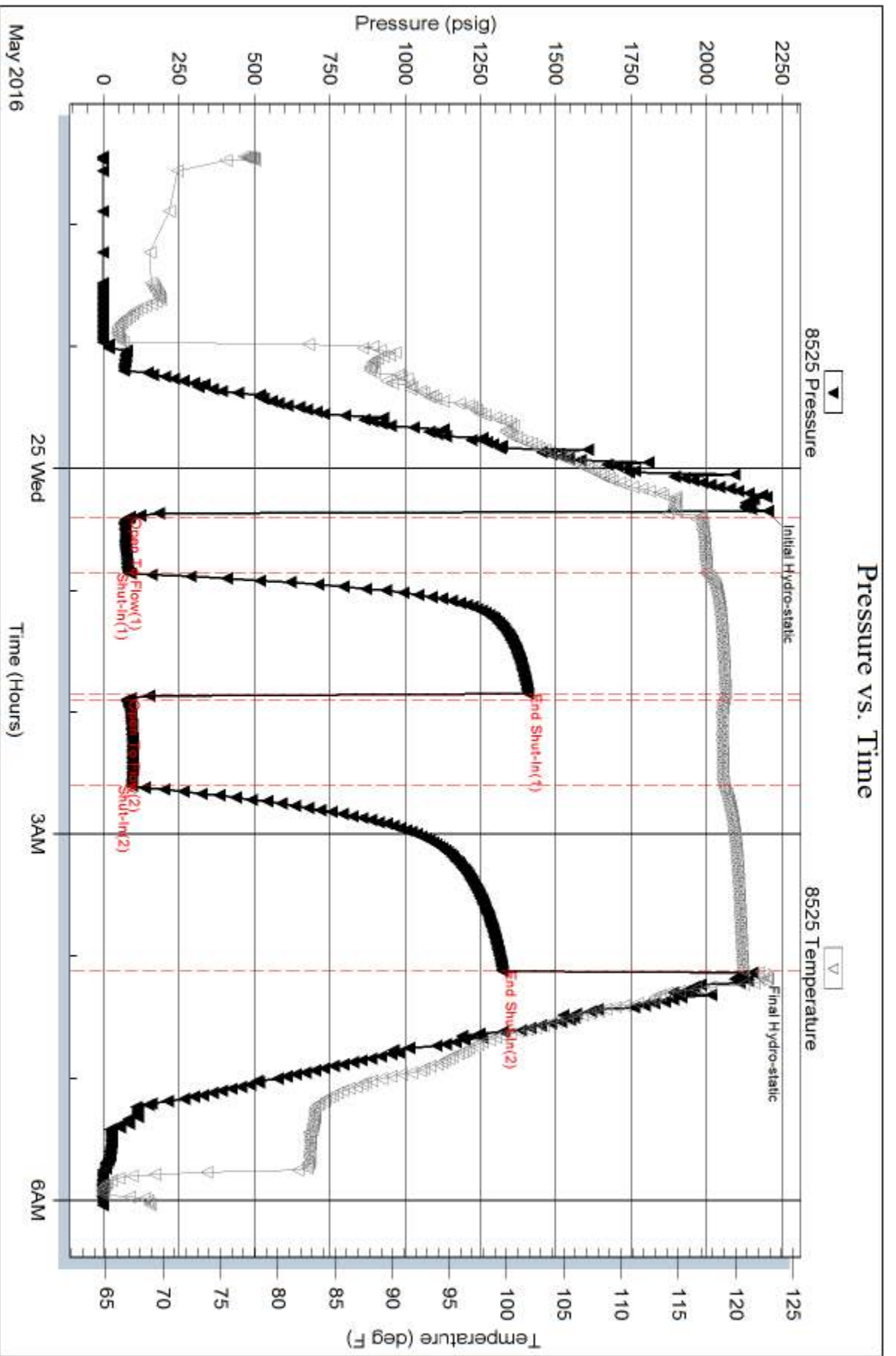
Test Start: 2016.05.24 @ 21:26:42

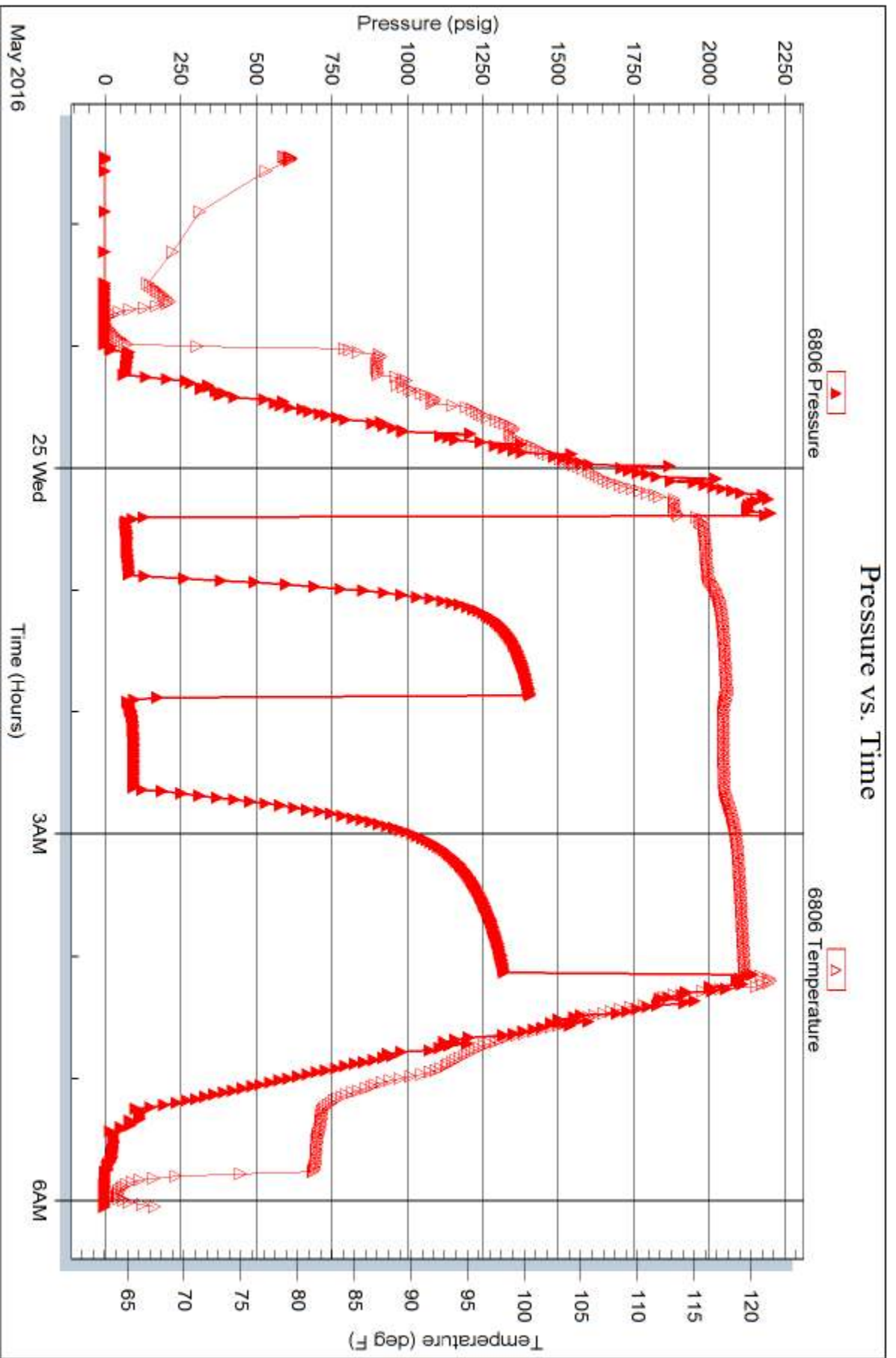
Gas Rates Information

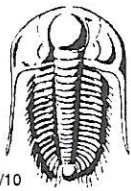
Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	20	0.25	9.00	37.12
1	30	0.25	14.00	45.05
2	10	0.25	24.00	60.92
2	20	0.25	26.00	64.09
2	30	0.25	26.00	64.09
2	40	0.25	26.00	64.09







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57990

Well Name & No. Aussie 1-16 Test No. 1 Date 05/22/16
 Company CMX INC Elevation 2043 KB 2029 GL
 Address 1700 N. Waterfront PKWY ^{Diag 300B.} WICHITA, KS 67206
 Co. Rep / Geo. Ken LeBlanc Rig Duke 7
 Location: Sec. 16 Twp. 27S Rge. 14W Co. Pratt State KS

Interval Tested 4106 - 4125 Zone Tested Lansing "H"
 Anchor Length 19 Drill Pipe Run 3935 Mud Wt. 9.3
 Top Packer Depth 4101 Drill Collars Run 182 Vis 51
 Bottom Packer Depth 4106 Wt. Pipe Run 0 WL 9.2
 Total Depth 4125 Chlorides 4100 ppm System LCM 3

Blow Description IF: strong Blow, BOB in 2 minutes

ISI: No Blow Back

FF: Strong Blow, BOB immediate, GTS in 26 minutes, TSTM caught sample

FST: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>3905</u>	<u>GIP</u>				
<u>30</u>	<u>GMCO</u>	<u>10</u>	<u>70</u>	<u>20</u>	
<u>187</u>	<u>GMCO</u>	<u>20</u>	<u>50</u>	<u>30</u>	

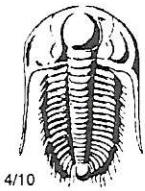
Rec Total 212 BHT 114 Gravity NIC API RW NIC @ NIC °F Chlorides NIC ppm

(A) Initial Hydrostatic 2309 Test 1150 T-On Location 15:00
 (B) First Initial Flow 24 Jars _____ T-Started 15:37
 (C) First Final Flow 58 Safety Joint 75 T-Open 17:30
 (D) Initial Shut-In 1431 Circ Sub _____ T-Pulled 21:45
 (E) Second Initial Flow 31 Hourly Standby _____ T-Out 23:45
 (F) Second Final Flow 83 Mileage 20 15 Comments _____
 (G) Final Shut-In 1430 Sampler _____
 (H) Final Hydrostatic 2063 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 45 Ruined Packer _____
 Final Flow 60 Extra Copies _____
 Final Shut-In 120 Sub Total 0
 Sub Total 1240 Total 1240
 MP/DST Disc't _____

Approved By Ken LeBlanc Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57991

Well Name & No. Aussie 1-16 Test No. 2 Date 05/23/16
 Company CMX INC Elevation 2043 KB 2029 GL
 Address 1700 N. Waterfront Pkwy Bldg 300B Wichita, KS 67206
 Co. Rep / Geo. Ken Le Blanc Rig Duke 7
 Location: Sec. 16 Twp. 27S Rge. 14W Co. Pratt State KS

Interval Tested 3988 - 4010 Zone Tested Lansing "B"
 Anchor Length 22 Drill Pipe Run 3867 Mud Wt. 9.1
 Top Packer Depth 3983 Drill Collars Run 182 Vis 60
 Bottom Packer Depth 4010 Wt. Pipe Run 0 WL 9.2
 Total Depth 4125 Chlorides 4100 ppm System LCM 3

Blow Description IF: strong blow, BOB in 90 seconds, GTS in 8 minutes, TSTM caught sample
IS: 1 inch Blow Back

FF: strong blow, GTS immediate, BOB in 5 minutes, TSTM

FSI: 1/2 inch Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>3103</u>	<u>GIP</u>				
<u>30</u>	<u>MWCO</u>	<u>38</u>	<u>32</u>	<u>30</u>	<u>30</u>
<u>128</u>	<u>CMCW</u>	<u>10</u>	<u>50</u>	<u>40</u>	<u>40</u>
<u>728</u>	<u>Water (100%)</u>				

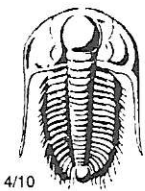
Rec Total 986 BHT 116 Gravity N/C API RW .09 @ 80° F Chlorides 76000 ppm

(A) Initial Hydrostatic <u>1997</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>05:00</u>
(B) First Initial Flow <u>75</u>	<input type="checkbox"/> Jars	T-Started <u>05:43</u>
(C) First Final Flow <u>295</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>07:30</u>
(D) Initial Shut-In <u>1329</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>10:29</u>
(E) Second Initial Flow <u>304</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>12:54</u>
(F) Second Final Flow <u>466</u>	<input checked="" type="checkbox"/> Mileage <u>20</u> 15	Comments <u>straddle</u>
(G) Final Shut-In <u>1325</u>	<input type="checkbox"/> Sampler	<u>was successful</u>
(H) Final Hydrostatic <u>1974</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<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>60</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>60</u>	<input type="checkbox"/> Day Standby	Total <u>1840</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1840</u>	

Approved By Ken Le Blanc Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57992

Well Name & No. Aussie 1-16 Test No. 3 Date 05/24/16
 Company CMX inc Elevation 2043 KB 2029 GL
 Address 1700 N. Waterfront Pkwy Bldg 300 B Wichita, KS 67206
 Co. Rep / Geo. Ken LeBlanc Rig Duke 7
 Location: Sec. 16 Twp. 27S Rge. 14W Co. Pratt State KS

Interval Tested 4380 - 4450 Zone Tested Mississippi
 Anchor Length 75 Drill Pipe Run 4186 Mud Wt. 9.2
 Top Packer Depth 4375 Drill Collars Run 182 Vis 52
 Bottom Packer Depth 4380 Wt. Pipe Run 0 WL 9.2
 Total Depth 4450 Chlorides 5600 ppm System LCM 4

Blow Description IF: Strong Blow, BOB in 1 minute, GTS in 12 minutes, Gauged & caught sample
ISI: Blow Back Built to BOB in 30 minutes
FF: Strong Blow, BOB & GTS immediate, Gauged Gas
FSI: 1/2 inch Blow Back

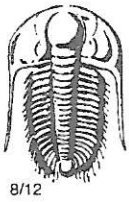
Rec	Feet of	%gas	%oil	%water	%mud
<u>4178</u>	<u>GIP</u>				
<u>190</u>	<u>SGCM</u>	<u>5</u>			<u>95</u>

Rec Total 190 BHT 120 Gravity N/C API RW N/C @ N/C °F Chlorides N/C ppm

(A) Initial Hydrostatic <u>2202</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>20:15</u>
(B) First Initial Flow <u>82</u>	<input type="checkbox"/> Jars	T-Started <u>21:26</u>
(C) First Final Flow <u>91</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>00:24</u>
(D) Initial Shut-In <u>1409</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>04:06</u>
(E) Second Initial Flow <u>77</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>06:02</u>
(F) Second Final Flow <u>96</u>	<input checked="" type="checkbox"/> Mileage <u>20</u> 15	Comments
(G) Final Shut-In <u>1325</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2152</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>45</u>	<input type="checkbox"/> Day Standby	Total <u>1240</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1240</u>	

Approved By Ken LeBlanc Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Gas Volume Report

CMX inc

Aussie 1-16

3

Operator
GTS 12 minutes

Well Name and No.

DST No.

Min.	In. of Water PSI	Orifice Size	M CF/D	Min.	In. of Water PSI	Orifice Size	M CF/D
20	9	1/4	37.122	10	24	1/4	60.918
30	14	1/4	45.054	20	26	1/4	64.091
				30	26	1/4	64.091
				40	26	1/4	64.091

Remarks: