

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

CMX Inc.

1700 Waterfront Pkwy.
Bldg. 300 B
Wichita Ks. 67206
ATTN: Ken LeBlanc

6-32s-1e Sumner Ks.

Boxcar#1

Job Ticket: 44088

DST#: 1

Test Start: 2011.12.06 @ 01:46:45

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 04:02:30

Time Test Ended: 10:01:30

Test Type: **Conventional Bottom Hole (Initial)**

Tester: **Gary Pevoteaux**

Unit No: **56**

Interval: **3597.00 ft (KB) To 3650.00 ft (KB) (TVD)**

Total Depth: **3650.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1267.00 ft (KB)**

1256.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8167

Inside

Press@RunDepth: **50.25 psig @ 3598.00 ft (KB)**

Start Date: **2011.12.06**

End Date:

2011.12.06

Start Time: **01:46:46**

End Time:

10:01:30

Capacity: **8000.00 psig**

Last Calib.: **2011.12.06**

Time On Btm: **2011.12.06 @ 04:01:30**

Time Off Btm: **2011.12.06 @ 08:05:45**

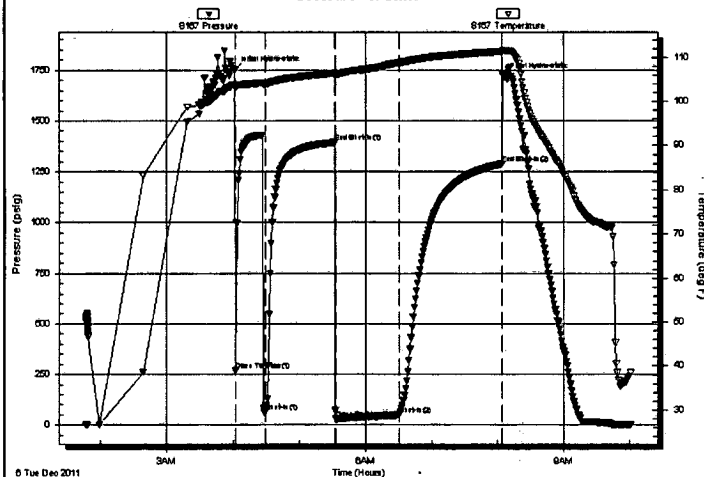
TEST COMMENT: IF:Weak blow . 1 - 2".

IS:No blow .

FF:Fair blow . 2 - 11" in diesel.

FS:No blow .

Pressure vs. Time



PRESSURE SUMMARY

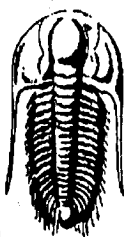
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1747.60	103.76	Initial Hydro-static
1	269.33	103.20	Open To Flow (1)
28	62.77	103.94	Shut-In(1)
91	1392.69	106.46	End Shut-In(1)
92	28.88	106.14	Open To Flow (2)
149	50.25	108.76	Shut-In(2)
243	1289.03	111.28	End Shut-In(2)
245	1714.57	111.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	250 ftr. of Gas in pipe	0.00
1.00	Clean oil	0.01
61.00	OCM 8%o 92%m	0.86

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Wichita Ks. 67206
ATTN: Ken LeBlanc

Boxcar#1

Job Ticket: 44088

DST#: 1

Test Start: 2011.12.06 @ 01:46:45

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 7.80 in³

Resistivity: 0.00 ohm.m

Salinity: 1100.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

38.1 deg API

1100 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	250 ftr. of Gas in pipe	0.000
1.00	Clean oil	0.014
61.00	OCM 8%o 92%m	0.856

Total Length:

62.00 ft

Total Volume:

0.870 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

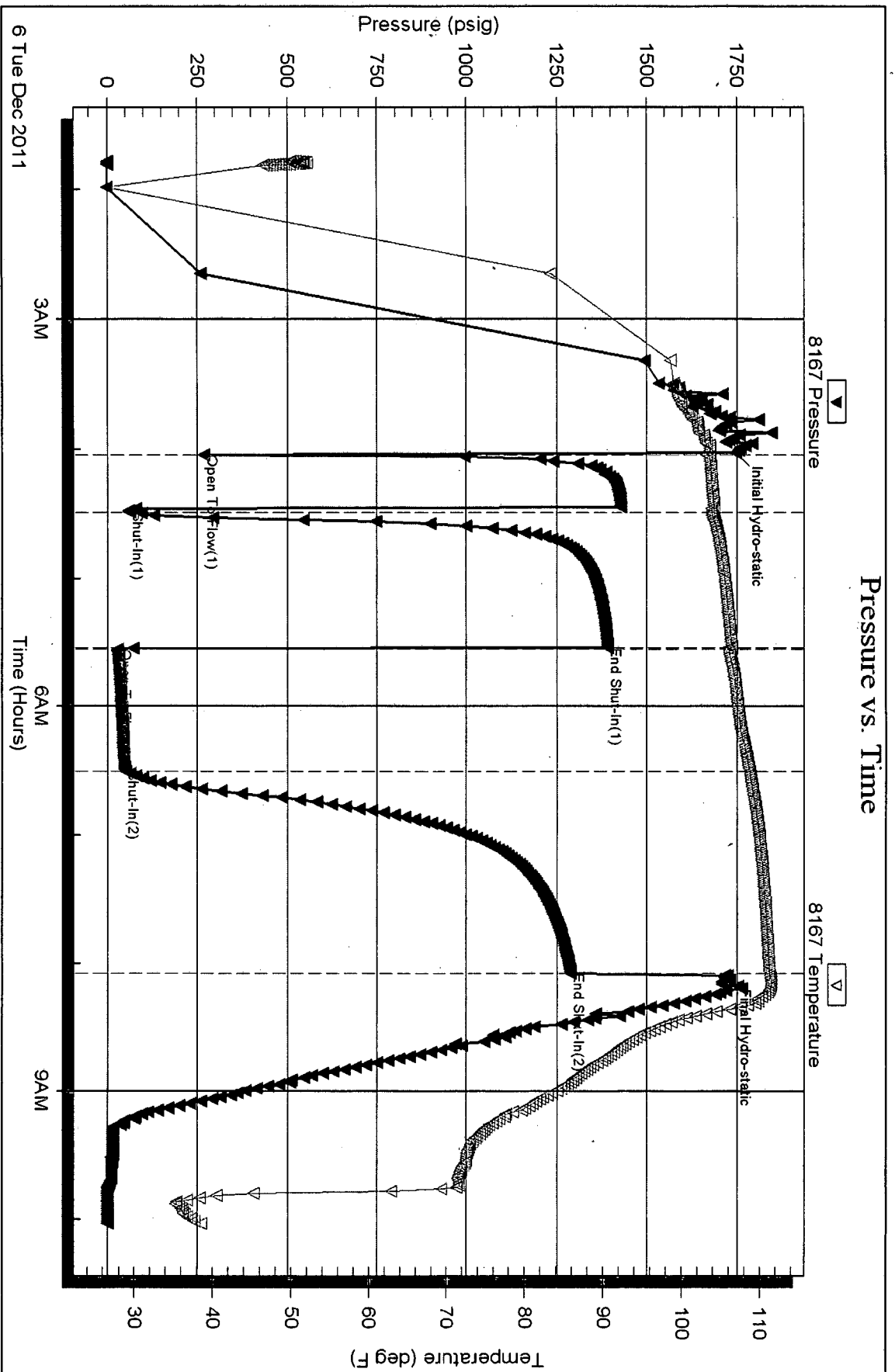
Recovery Comments:

Serial #: 8167

Inside CMX Inc.

Boxcar#1

DST Test Number: 1





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DRILL STEM TEST REPORT

CMX Inc.

1700 Waterfront Pkwy.
Bldg. 300 B
Wichita Ks. 67206
ATTN: Ken LeBlanc

6-32s-1e Sumner Ks.

Boxcar#1

Job Ticket: 44089

DST#: 2

Test Start: 2011.12.08 @ 09:52:13

GENERAL INFORMATION:

Formation: **Simpson Sd.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:24:13

Time Test Ended: 16:00:58

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Interval: **4036.00 ft (KB) To 4048.00 ft (KB) (TVD)**

Total Depth: 4048.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1267.00 ft (KB)

1256.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8167

Inside

Press@RunDepth: 25.94 psig @ 4037.00 ft (KB)

Start Date: 2011.12.08

End Date:

2011.12.08

Capacity: 8000.00 psig

Last Calib.: 2011.12.08

Start Time: 09:52:14

End Time:

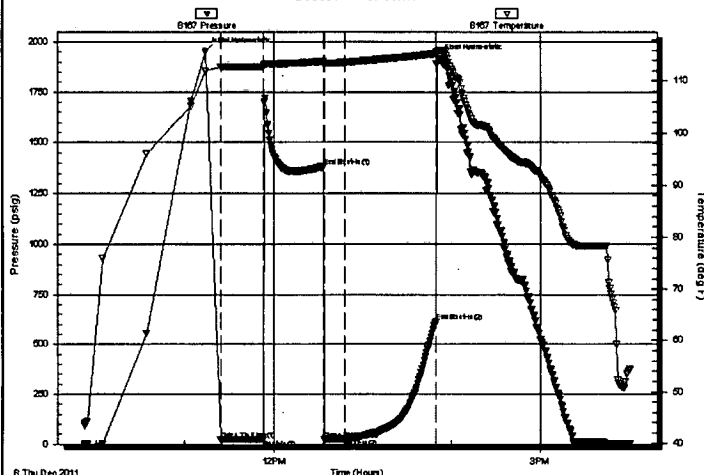
16:00:58

Time On Btm: 2011.12.08 @ 11:14:13

Time Off Btm: 2011.12.08 @ 13:50:58

TEST COMMENT: IF:Weak blow . 1 - 3/4".
IS:No blow .
FF:Weak surge. No blow .
FSI:No blow .

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1953.11	111.89	Initial Hydro-static
10	22.49	112.73	Open To Flow (1)
39	22.58	112.73	Shut-In(1)
80	1382.35	113.82	End Shut-In(1)
80	24.22	113.15	Open To Flow (2)
94	25.94	113.61	Shut-In(2)
156	614.17	115.34	End Shut-In(2)
157	1915.88	115.82	Final Hydro-static

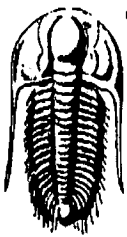
Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud w/a trace of oil	0.28

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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ATTN: Ken LeBlanc

Boxcar#1

Job Ticket: 44089

DST#: 2

Test Start: 2011.12.08 @ 09:52:13

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 9.19 in³

Resistivity: 0.00 ohm.m

Salinity: 4900.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity:

4900 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud w/a trsce of oil	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

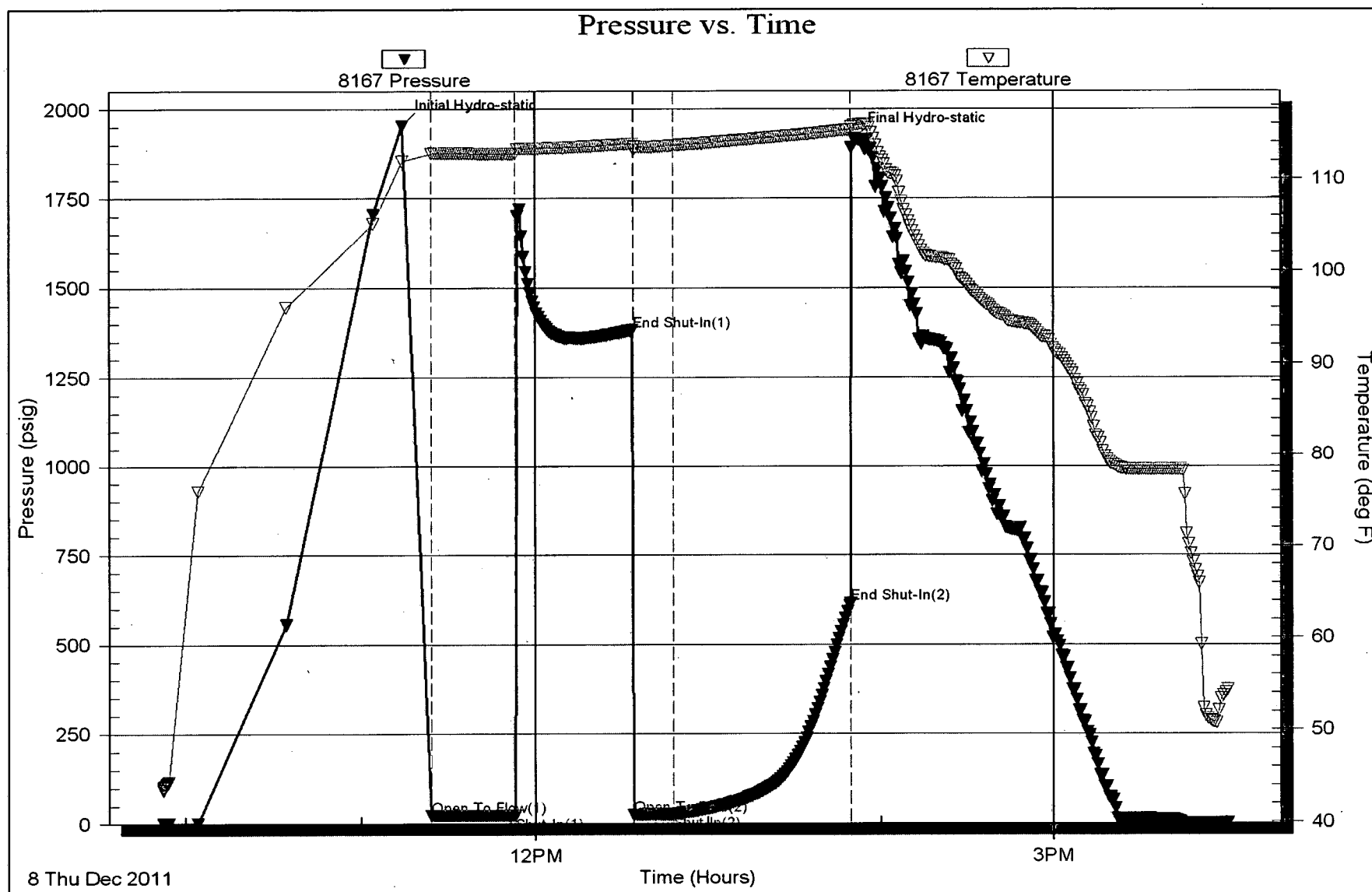
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

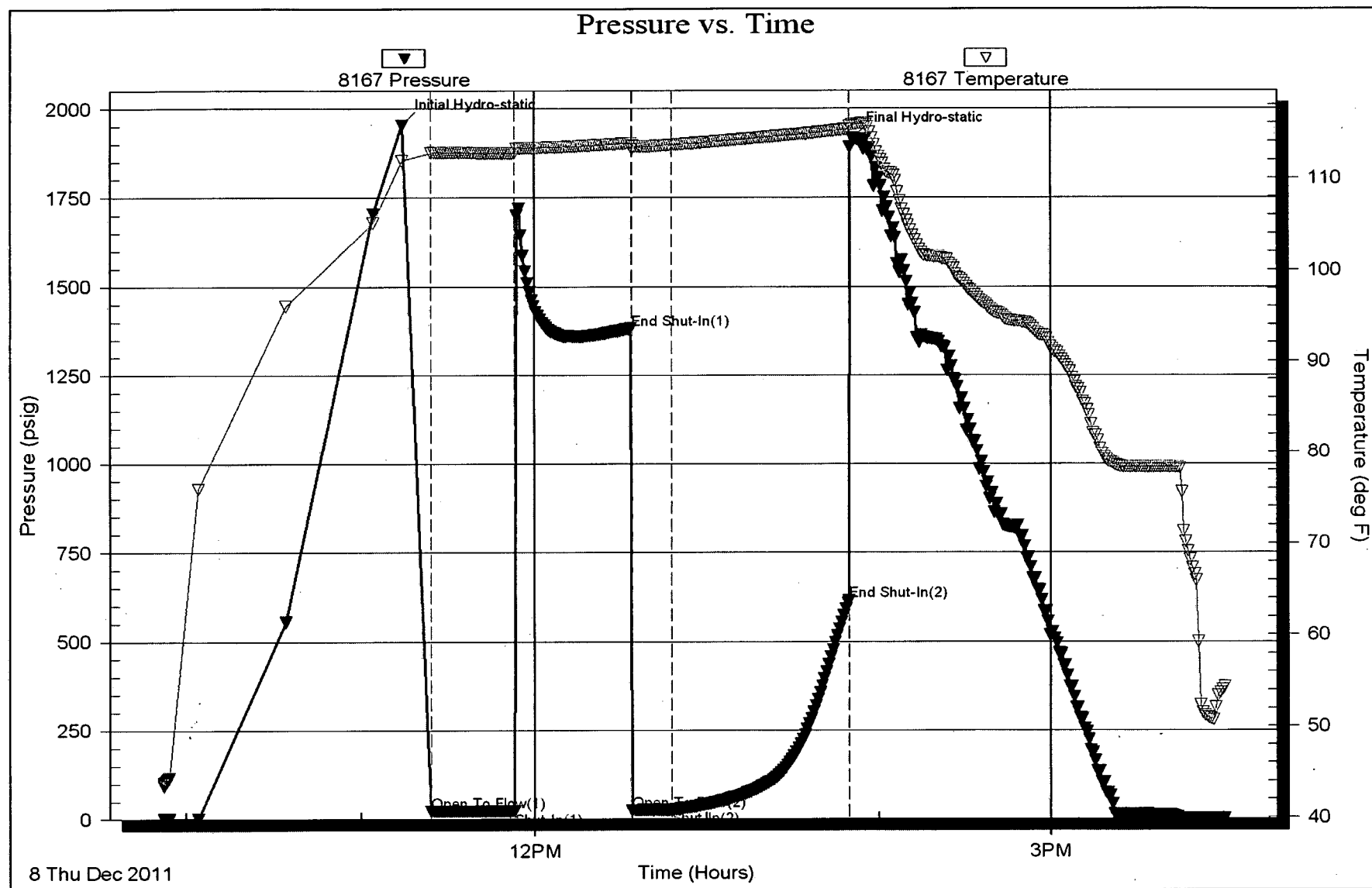


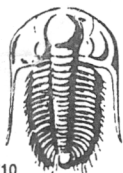
Serial #: 8167

Inside CMX Inc.

Boxcar#1

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED

DEC 12 2011

Test Ticket

NO. 44088 110726

Well Name & No. Boxcar #1 BY: Test No. 1 Date 12-6-11
 Company CMX INC. Elevation 1269 KB 1256 GL
 Address 1700 N. WATERFRONT PARKWAY, BLDG. 300-B, WICHITA KS. 67206
 Co. Rep / Geo. KEN LEBLANC Rig VAL ENERGY II S
 Location: Sec. 6 Twp. 32^s Rge. 1^e Co. SUMNER State Ks.

Interval Tested 3597 - 3650' Zone Tested MISS.
 Anchor Length 53' Drill Pipe Run 3595' Mud Wt. 9.2
 Top Packer Depth 3592' Drill Collars Run 0 Vis SS
 Bottom Packer Depth 3597' Wt. Pipe Run 0 WL 7.8cc
 Total Depth 3650' Chlorides 1100 ppm System LCM 0
 Blow Description IF: Weak Blow. 1-2". ISI: No Blow.

FF: Fair Blow. 2-11" in Diesel. FSI: No Blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>250</u>	<u>Gas in Pipe</u>				
<u>1</u>	<u>Clear oil</u>				
<u>61</u>	<u>OCM</u>				

Rec Total 62 Flows BHT 115 Gravity 38.1 API RW N.C. @ — °F Chlorides 1100 ppm

(A) Initial Hydrostatic 1748
 (B) First Initial Flow 269
 (C) First Final Flow 63
 (D) Initial Shut-In 1393
 (E) Second Initial Flow 29
 (F) Second Final Flow 50
 (G) Final Shut-In 1289
 (H) Final Hydrostatic 1715

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

☒ Test 1125
☒ Jars 250
☒ Safety Joint 75
☐ Circ Sub
☐ Hourly Standby 1/4 hr 25
☒ Mileage (2065) 288.40
☐ Sampler
☐ Straddle
☒ Shale Packer 250
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
 Sub Total 2013.40

T-On Location 0041
 T-Started 0146
 T-Open 0402
 T-Pulled 0805
 T-Out 1001

Comments CHART SHOWS TOOL
PLUGGED MOST OF INITIAL
OPEN.

☐ Ruined Shale Packer
☐ Ruined Packer

☐ Extra Copies

Sub Total 0

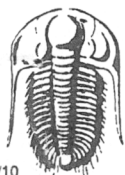
Total 2013.40

MP/DST Disc't

Approved By Ken LeBlanc

Our Representative

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.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
DEC 12 2011

Test Ticket

NO. 44089

Well Name & No. Boxcar # 1 BY: _____ Test No. 2 Date 12-8-11
Company CMX INC. Elevation 1267 KB 1256 GL
Address 1700 N. WATERFRONT PARKWAY, BLDG. 300 B. WICHITA KS. 67206
Co. Rep / Geo. KEN LEBLANC Rig VAL ENERGY #5
Location: Sec. 6 Twp. 32S Rge. 1E Co. SUMNER State Ks.

Interval Tested 4036 - 4048' Zone Tested SIMPSON SD.
Anchor Length 12' Drill Pipe Run 4035' Mud Wt. 9.0
Top Packer Depth 4031' Drill Collars Run 0 Vis 53
Bottom Packer Depth 4036' Wt. Pipe Run 0 WL 9.2cc
Total Depth 4048' Chlorides 4900 ppm System LCM 7#
Blow Description IF: WEAK BLOW. 1-3/4". ISI: N. BLOW

FF: WEAK SURGE. NO BLOW. FSI: NO BLOW.

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Mud w/a trace of oil</u>				
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 20 BHT 117° Gravity N/A API RW N.C. @ 60°F Chlorides 4900 ppm
(A) Initial Hydrostatic 1953 ☒ Test 1225' T-On Location 0933
(B) First Initial Flow 22 ☒ Jars 250' T-Started 0952
(C) First Final Flow 23 ☒ Safety Joint 75' T-Open 1124
(D) Initial Shut-In FALSE → 1382 ☐ Circ Sub _____ T-Pulled 1348
(E) Second Initial Flow 24 ☐ Hourly Standby _____ T-Out 1600
(F) Second Final Flow 26 ☒ Mileage (200) 288.40 Comments _____
(G) Final Shut-In 614 ☐ Sampler _____
(H) Final Hydrostatic 1916 ☐ Straddle _____

Initial Open 30
Initial Shut-In 45
Final Flow 10
Final Shut-In 60

☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☒ Day Standby 1 day + 23.5 hrs
☐ Accessibility
Sub Total 1838.40

☐ Ruined Shale Packer
☐ Ruined Packer
☐ Extra Copies
Sub Total 783.49
Total 2621.89
MP/DST Disc't _____

Approved By Ken LeBlanc

Our Representative Cory D. [Signature]

Triobite 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.