

DRILL STEM TEST REPORT

Prepared For: **CMX, Inc.**

150 N. main, suite 1026
Wichita, Ks. 67202

ATTN: Doug McGinness

13-31S-12W

Chain Ranch #2

Start Date: 2004.09.09 @ 15:30:29

End Date: 2004.09.10 @ 00:10:59

Job Ticket #: 19178 DST #: 1

CMX, Inc.

Chain Ranch #2

13-31S-12W

DST # 1

Mississippian

2004.09.09

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



**TRIBOLITE
TESTING, INC**

DRILL STEM TEST REPORT

CMX, Inc.
150 N. main, suite 1026
Wichita, Ks. 67202
ATTN: Doug McGinness

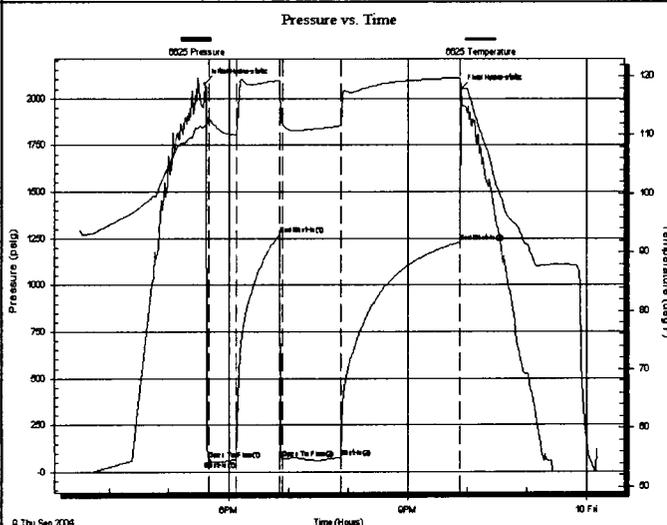
Chain Ranch #2
13-31S-12W
Job Ticket: 19178 DST#: 1
Test Start: 2004.09.09 @ 15:30:29

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 17:40:14
Time Test Ended: 00:10:59
Test Type: **Conventional Bottom Hole**
Tester: **Darren L. Amerine**
Unit No: **30**
Interval: **4252.00 ft (KB) To 4285.00 ft (KB) (TVD)**
Reference Elevations: **1580.00 ft (KB)**
Total Depth: **4285.00 ft (KB) (TVD)** **1569.00 ft (CF)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair** **KB to GR/CF: 11.00 ft**

Serial #: 6625 **Inside**
Press@RunDepth: **76.83 psig @ 4254.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2004.09.09** End Date: **2004.09.10** Last Calib.: **2004.09.10**
Start Time: **15:30:32** End Time: **00:10:59** Time On Btm: **2004.09.09 @ 17:36:14**
Time Off Btm: **2004.09.09 @ 21:53:59**

TEST COMMENT: FF: Strong blow b.o.b in 15 sec. GTS in 4 mins. Gauge gas.
IS: Bled down n for 10 mins. no blow back.
FF: Strong blow b.o.b in 10 sec. Gauge gas.
FS: Bled down n for 10 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2077.49	111.72	Initial Hydro-static
4	66.41	112.90	Open To Flow (1)
32	63.14	110.13	Shut-In(1)
75	1268.53	119.34	End Shut-In(1)
78	71.66	111.95	Open To Flow (2)
136	76.83	111.61	Shut-In(2)
257	1228.51	119.71	End Shut-In(2)
258	2046.32	118.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	4115' of gip	0.00
145.00	GCM 10% gas 90% mud	5985.33

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	15.00	198.32
Last Gas Rate		0.00	
Max. Gas Rate	0.38	36.00	184.63



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TOOL DIAGRAM

CMX, Inc.

150 N.main,suite 1026
Wichita,Ks.67202

ATTN: Doug McGinness

Chain Ranch #2

13-31S-12W

Job Ticket: 19178

DST#: 1

Test Start: 2004.09.09 @ 15:30:29

Tool Information

Drill Pipe:	Length: 4138.30 ft	Diameter: 3.80 inches	Volume: 58.05 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 121.70 ft	Diameter: 225.00 inches	Volume: 5985.01 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 6043.06 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4252.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	57.00 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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Change Over Sub	1.00			4229.00	
Shut In Tool	5.00			4234.00	
Hydraulic tool	5.00			4239.00	
Safety Joint	3.00			4242.00	
Packer	5.00			4247.00	24.00 Bottom Of Top Packer
Packer	5.00			4252.00	
Stubb	2.00			4254.00	
Recorder	0.00	6625	Inside	4254.00	
Anchor	27.00			4281.00	
Recorder	0.00	10991	Outside	4281.00	
Bullnose	4.00			4285.00	33.00 Bottom Packers & Anchor

Total Tool Length: 57.00



**TRILLOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

CMX, Inc.

Chain Ranch #2

150 N.main,suite 1026
Wchita,Ks.67202

13-31S-12W

Job Ticket: 19178

DST#: 1

ATTN: Doug McGinness

Test Start: 2004.09.09 @ 15:30:29

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: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.99 in ³	Gas Cushion Type:		
Resistivity: 2.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: 0.32 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	4115'of gip	0.000
145.00	GCM 10%gas 90%mud	5985.335

Total Length: 145.00 ft Total Volume: 5985.335 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

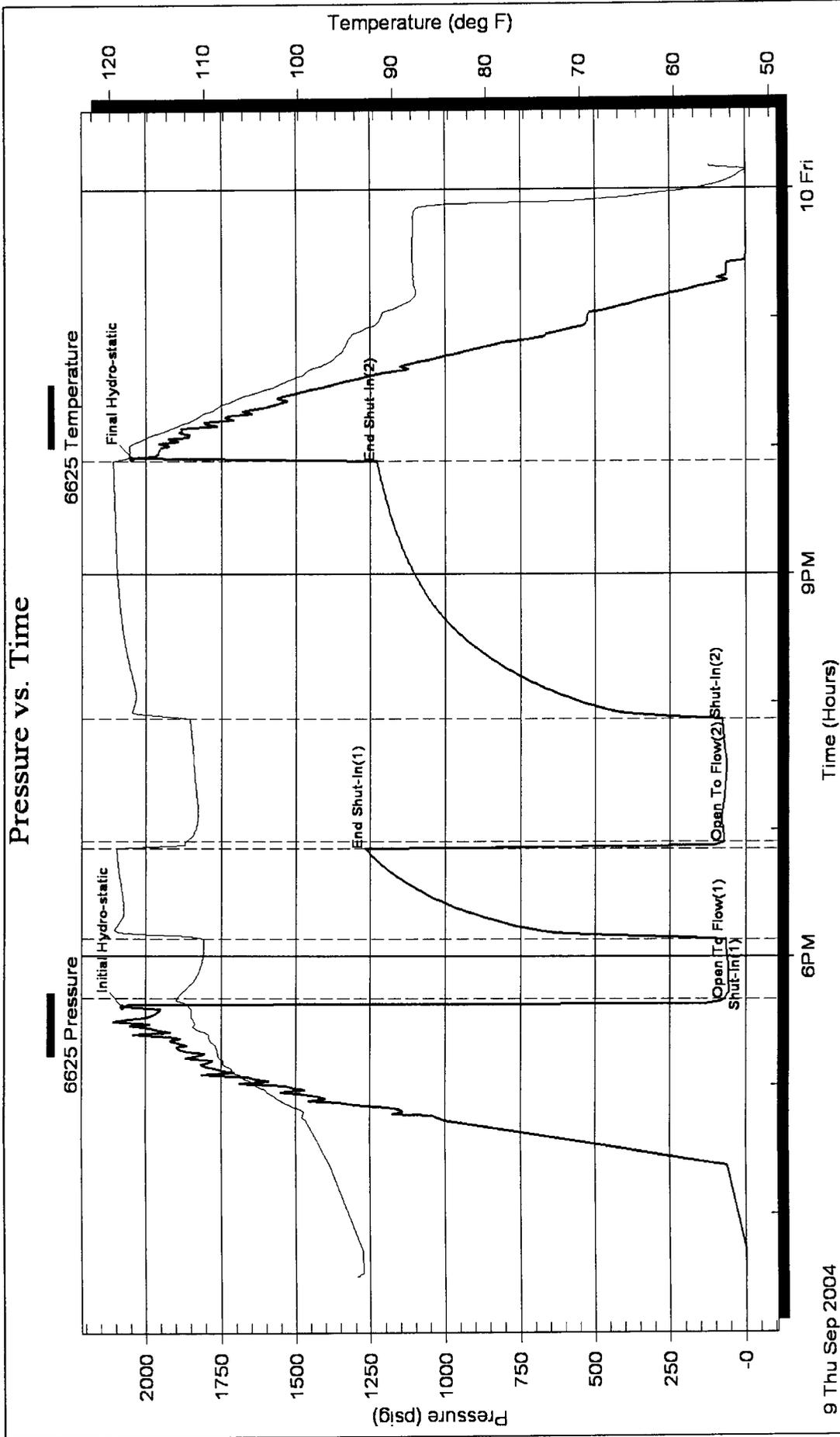
Serial #:

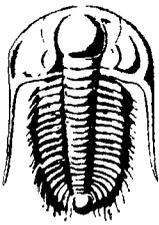
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

TNW
6787

No. 19178

05/03

Test Ticket

Well Name & No. Chain Ranch #2 Test No. # 1 Date 9-9-04
 Company CMX, Inc. 150 N. Main, Suite 1026 Zone Tested Mississippian
 Address Wichita, KS. 67202 Elevation 1580 KB 1569 GL
 Co. Rep / Geo. Doug M Cont. Duke #5 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 13 Twp. 31S Rge. 12W Co. Barber Co. State KS
 No. of Copies 5 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4252 - 4285 Initial Str Wt./Lbs. 54000 Unseated Str Wt/Lbs. 54000
 Anchor Length 33 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 60,000
 Top Packer Depth 4247 Tool Weight 2100
 Bottom Packer Depth 4252 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4285 Wt. Pipe Run N/A Drill Collar Run 121.70
 Mud Wt. 9.0 LCM 0 Vis. 45 WL 12.0 Drill Pipe Size 4 1/2 X 4 Ft. Run _____

Blow Description IF: Strong blow b.o.b in 5 sec. @ 10000. BTS in 4 mins. Gauge
ISI: Bled down for 10 mins. No blow back
FF: Strong blow b.o.b in 10 sec. Gauge Bad! @
FSI: Bled down for 10 mins. No bl.

Recovery - Total Feet 145' GIP 4115' Ft. in DC 121 Ft. in DP 24'
 Rec. 145' Feet of 6CM 10% gas 0% oil 90% water 0% mud
 Rec. 4115' Feet of 6TP %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 120° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 2500 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>2077</u> PSI	<u>6625</u>	<u>1000</u>
(B) First Initial Flow Pressure		<u>66</u> PSI	(depth) <u>4254'</u>	Elec. Rec. <u>✓</u>
(C) First Final Flow Pressure		<u>63</u> PSI	Recorder No. <u>10991</u>	Jars _____
(D) Initial Shut-In Pressure		<u>1269</u> PSI	(depth) <u>4281'</u>	Safety Jt. <u>✓ 50</u>
(E) Second Initial Flow Pressure		<u>72</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>77</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>1229</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>2046</u> PSI	Initial Shut-In <u>45</u>	Ext. Packer _____
			Final Flow <u>60</u>	Shale Packer _____
			Final Shut-In <u>120</u>	Mileage <u>31' 26.35</u>
			T-On Location <u>1445</u>	Sub Total: <u>1076.35</u>
			T-Started <u>1530</u>	Std. By _____
			T-Open <u>1731</u>	Other _____
			T-Pulled <u>2146</u>	Total: _____
			T-Out <u>0810</u>	

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Approved By D.M.
 Our Representative Darren Amernie

CHART PAGE

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

Larson Operating Co.

Johnson #1-15

OST #1

20353

