

**WELL NAME:** Sternberger #9  
**COMPANY:** CMX Inc.  
**LOCATION:** 6-35s-13w  
Barber co Kansas  
**DATE:** 8/9/00

TRILOBITE TESTING L.L.C.

OPERATOR : CMX Inc. DATE 8-4-2000  
 WELL NAME: Sternberger #9 KB 1585.00 ft TICKET NO: 12618 DST #1  
 LOCATION : 6-35s-13w Barber co KS GR 1578.00 ft FORMATION:  
 INTERVAL : 4672.00 To 4697.00 ft TD 4697.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----		
PF	0	Rec.	13278				PF Fr.	to	hr
SI	0	Range(Psi )	4400.0	0.0	0.0	0.0	IS Fr.	to	hr
SF	0	Clock(hrs)	12				SF Fr.	to	hr
FS	0	Depth(ft )	4675.0	0.0	0.0	0.0	FS Fr.	to	hr

	Field	1	2	3	4		
A. Init Hydro	0.0	0.0	0.0	0.0	0.0	T STARTED	1830 hr
B. First Flow	0.0	0.0	0.0	0.0	0.0	T ON BOTM	hr
B1. Final Flow	0.0	0.0	0.0	0.0	0.0	T OPEN	hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED	hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT	2230 hr
E. Final Flow	0.0	0.0	0.0	0.0	0.0		
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----	
G. Final Hydro	0.0	0.0	0.0	0.0	0.0	Tool Wt.	1800.00 lbs
Inside/Outside						Wt Set On Packer	0.00 lbs
						Wt Pulled Loose	0.00 lbs
						Initial Str Wt	0.00 lbs
						Unseated Str Wt	0.00 lbs
						Bot Choke	0.75 in
						Hole Size	7.78 in
						D Col. ID	2.25 in
						D. Pipe ID	3.80 in
						D.C. Length	0.00 ft
						D.P. Length	0.00 ft

RECOVERY

Tot Fluid 0.00 ft of 0.00 ft in DC and 0.00 ft in DP  
 0.00 ft of  
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Torque went out on draw works motor 3/4 of the way in.

MUD DATA-----

Mud Type	Chemical
Weight	9.50 lb/c
Vis.	48.00 S/L
W.L.	16.60 in3
F.C.	0.00 in
Mud Drop	

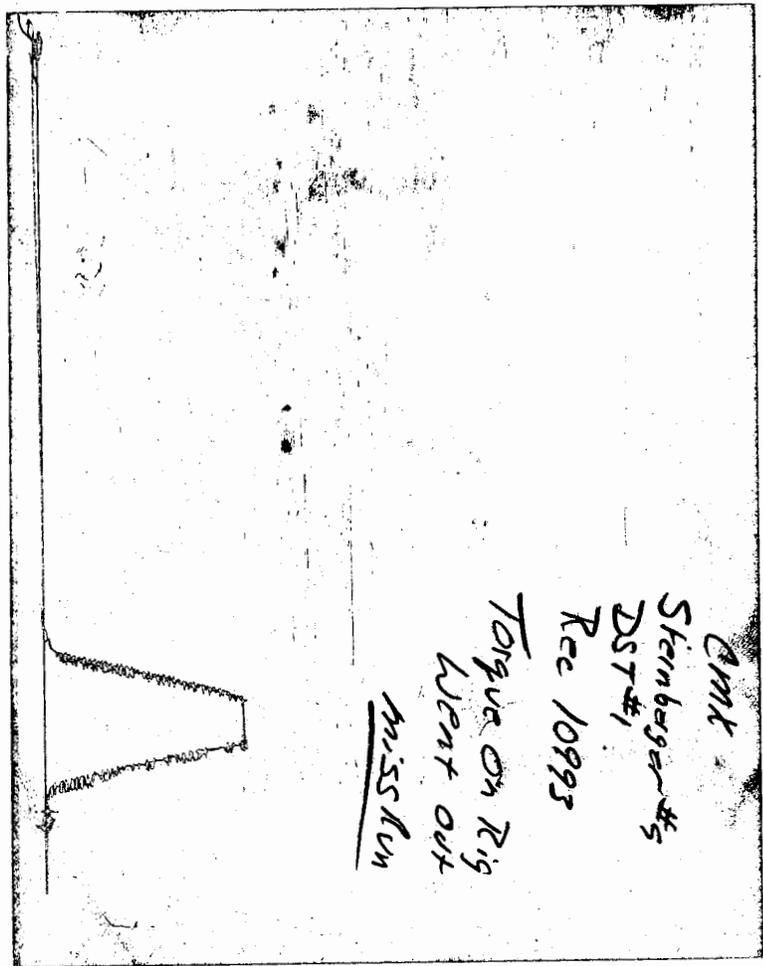
Amt. of fill	0.00 ft
Btm. H. Temp.	0.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00

SAMPLES:  
 SENT TO:

Reversed Out  
 Tool Chased  
 Tester Brad Bortz  
 Co. Rep. Doug McGuinnes  
 Contr. Duke  
 Rig # 2  
 Unit #  
 Pump T.

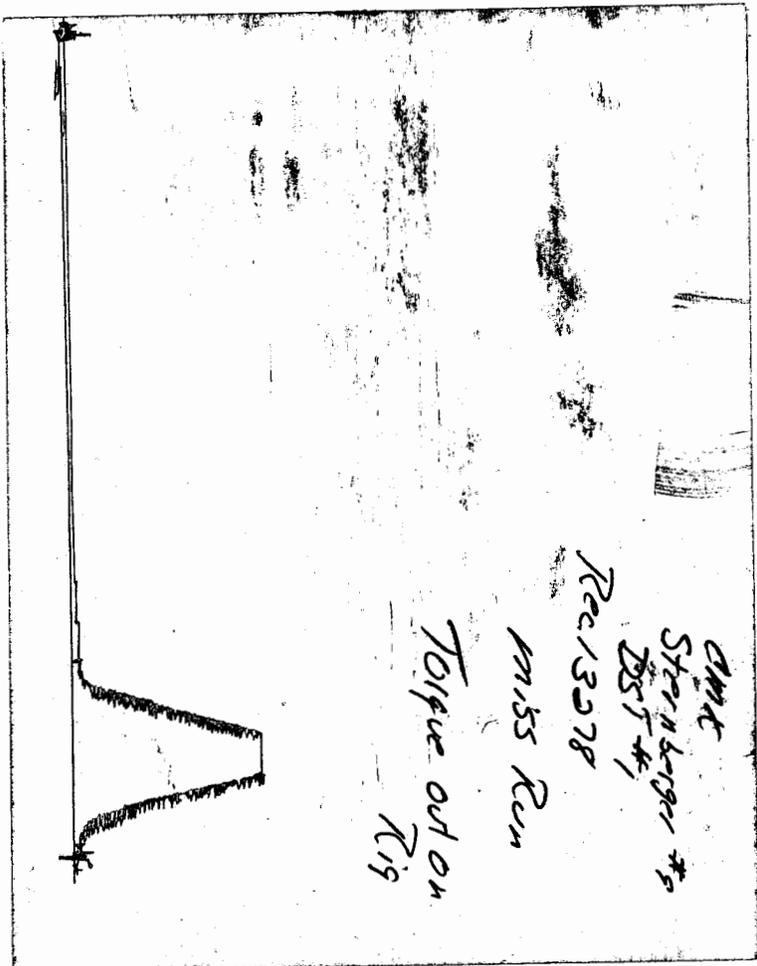
Test Successful: N

CHART PAGE



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

CHART PAGE



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

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

N<sup>o</sup> 12618

Well Name & No. <u>Sternberger #9</u>	Test No. <u>1</u>	Date <u>8-4-2000</u>
Company <u>CMX Inc.</u>	Zone Tested <u>—</u>	
Address <u>—</u>	Elevation <u>—</u> KB <u>—</u> GL <u>—</u>	
Co. Rep / Geo. <u>Doug McGuinness</u>	Cont. <u>Duke #e</u>	Est. Ft. of Pay <u>—</u> Por. <u>—</u> % <u>—</u>
Location: Sec. <u>6</u>	Twp. <u>35S</u>	Rge. <u>13W</u> Co. <u>Barber</u> State <u>KS</u>
No. of Copies <u>R</u>	Distribution Sheet (Y, N) <u>—</u>	Turnkey (Y, N) <u>—</u> Evaluation (Y, N) <u>—</u>

Interval Tested <u>4672-4697</u>	Initial Str Wt./Lbs. <u>—</u>	Unseated Str Wt./Lbs. <u>—</u>
Anchor Length <u>25</u> <u>tool 20</u>	Wt. Set Lbs. <u>—</u>	Wt. Pulled Loose/Lbs. <u>—</u>
Top Packer Depth <u>4667</u>	Tool Weight <u>1,800</u>	
Bottom Packer Depth <u>4672</u>	Hole Size — 7 7/8" <u>—</u>	Rubber Size — 6 3/4" <u>—</u>
Total Depth <u>4697</u>	Wt. Pipe Run <u>—</u>	Drill Collar Run <u>—</u>
Mud Wt. <u>9.5</u> LCM <u>—</u> Vis. <u>48</u> WL <u>16.6</u>	Drill Pipe Size <u>—</u>	Ft. Run <u>—</u>

Blow Description Torque went out on Drawworks motor 3/4 the way in.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
Rec. <u>—</u> Feet Of <u>—</u>							
Rec. <u>—</u> Feet Of <u>—</u>							
Rec. <u>—</u> Feet Of <u>—</u>							
Rec. <u>—</u> Feet Of <u>—</u>							
Rec. <u>—</u> Feet Of <u>—</u>							

BHT — °F Gravity — °API D@ — °F Corrected Gravity — °API  
RW — @ — °F Chlorides — ppm Recovery Chlorides 5,800 ppm System

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud			<u>13278</u>	<u>5:00 PM</u>
(B) First Initial Flow Pressure			(depth) <u>4625</u>	T-Started <u>6:30 PM</u>
(C) First Final Flow Pressure			PSI Recorder No. <u>10993</u>	T-Open <u>—</u>
(D) Initial Shut-in Pressure			(depth) <u>4674</u>	T-Pulled <u>—</u>
(E) Second Initial Flow Pressure			PSI Recorder No. <u>—</u>	T-Out <u>10:30 PM</u>
(F) Second Final Flow Pressure			PSI (depth) <u>—</u>	T-Off Location <u>10:45 PM</u>
(G) Final Shut-in Pressure			PSI Initial Opening <u>—</u>	Test <u>✓ miss Run 550</u>
(Q) Final Hydrostatic Mud			PSI Initial Shut-in <u>—</u>	Jars <u>—</u>

Final Flow — Safety Joint —  
Final Shut-in — Straddle —  
Circ. Sub —  
Sampler —  
Extra Packer —  
Elec. Rec. —

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE 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.

Approved By —

Our Representative Brad Boy

Mileage 240 ✓ 65  
Other —  
TOTAL PRICE \$ 615

TRILOBITE TESTING L.L.C.

OPERATOR : CMX Inc. DATE 8-6-2000  
 WELL NAME: Sternberger #9 KB 1585.00 ft TICKET NO: 12883 DST #2  
 LOCATION : 6-35s-13w Barber co KS GR 1578.00 ft FORMATION: Mississippian  
 INTERVAL : 4828.00 To 4870.00 ft TD 4870.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10248	10248				PF Fr. 1655 to 1725 hr
SI 45 Range(Psi )	4400.0	4400.0	0.0	0.0	0.0	IS Fr. 1725 to 1810 hr
SF 60 Clock(hrs)	12	12				SF Fr. 1810 to 1910 hr
FS 90 Depth(ft )	4862.0	4862.0	0.0	0.0	0.0	FS Fr. 1910 to 2040 hr

	Field	1	2	3	4	
A. Init Hydro	2360.0	2375.0	0.0	0.0	0.0	T STARTED 1450 hr
B. First Flow	16.0	19.0	0.0	0.0	0.0	T ON BOTM 1650 hr
B1. Final Flow	16.0	19.0	0.0	0.0	0.0	T OPEN 1655 hr
C. In Shut-in	1043.0	1045.0	0.0	0.0	0.0	T PULLED 2040 hr
D. Init Flow	21.0	31.0	0.0	0.0	0.0	T OUT 2305 hr
E. Final Flow	46.0	44.0	0.0	0.0	0.0	
F. Fl Shut-in	1767.0	1779.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2261.0	2254.0	0.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0				Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 90000.00 lbs
						Initial Str Wt 55000.00 lbs
						Unseated Str Wt 58000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 60.00 ft
						D.P. Length 4763.00 ft

RECOVERY

Tot Fluid 45.00 ft of 45.00 ft in DC and 0.00 ft in DP  
 0.00 ft of Gas in pipe  
 45.00 ft of Drilling mud w/ tar-like oil specks.  
 0.00 ft of  
 0.00 ft of

SALINITY 7000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:  
 Strong blow. Bottom of bucket in 10 seconds.  
 Initial Shut-In:  
 No blow.  
 Final Flow:  
 Strong blow. Gas to surface in 12 minutes. (see gas volume report)

Slid tool 8-10 feet to bottom.

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/c
Vis.	51.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill 0.00 ft  
 Btm. H. Temp. 119.00 F

Hole Condition  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00

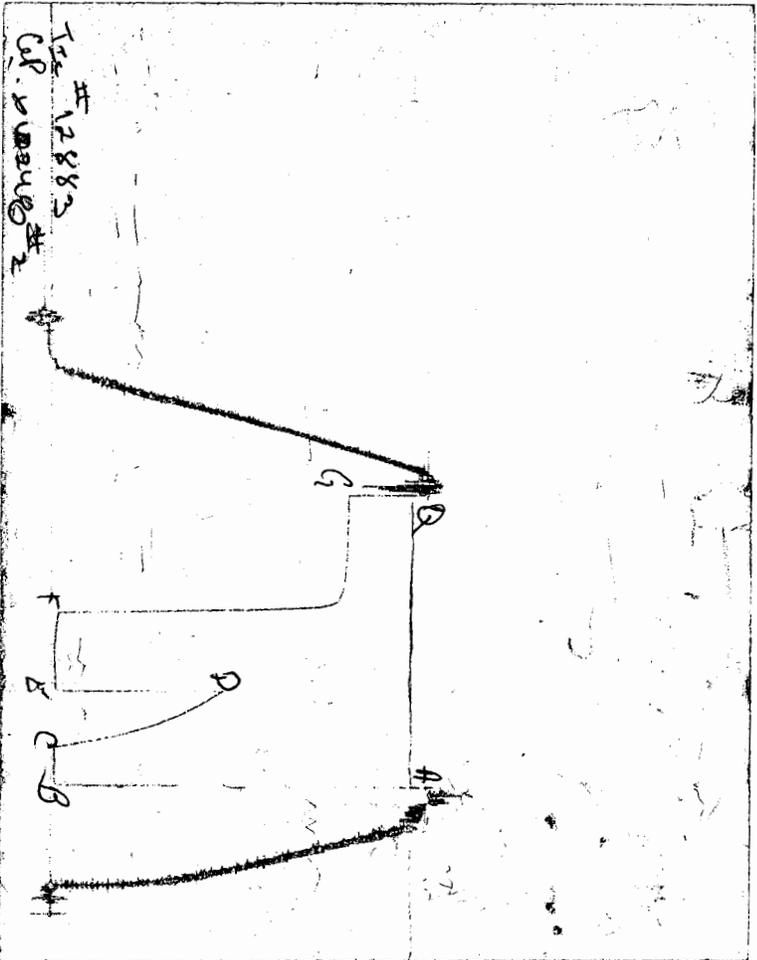
Cushion Type  
 Reversed Out  
 Tool Chased

Tester Gary Pevoteaux  
 Co. Rep. Doug McGuiness  
 Contr. Duke  
 Rig # 2

Unit #  
 Pump T.

Test Successful: Y

CHART PAGE



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



# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

N<sup>o</sup> 12883

Well Name & No. Stemberger #9 Test No. 2 Date 8-6-2000  
 Company CMX Inc. Zone Tested Miss  
 Address 150 N. Main, Ste 1026, Wichita Ks - 67202 Elevation 1585 KB 1578 GL  
 Co. Rep / Geo. Douglas McCormick Cont. Duke Dalg. #2 Est. Ft. of Pay 18 Por.      %  
 Location: Sec. 4 Twp. 35S Rge. 13E Co. Barber State Ks.  
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N)      Evaluation (Y, N)     

Interval Tested 4828 - 4870' Initial Str Wt./Lbs. 55,000 Unseated Str Wt./Lbs. 58,000  
 Anchor Length 42' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 90,000  
 Top Packer Depth 4823' Tool Weight 2100 #  
 Bottom Packer Depth 4828' Hole Size — 7 7/8"  Rubber Size — 6 3/4"   
 Total Depth 4870' Wt. Pipe Run None Drill Collar Run 60  
 Mud Wt. 9.2 LCM 3# Vis. 5.5 WL 10.4cc Drill Pipe Size 4 1/2" X-H Ft. Run 4463'  
 Blow Description FF: Strong blow. B.O.B. in 10 sec -  
ISI: No below.  
FF: Strong blow. GTS in 12 mins. (see gas volume  
report) COMMENT: did tool 8-10 ft. to bottom.

Recovery — Total Feet 45 GIP yes Ft. in DC 45 Ft. in DP       
 Rec. 45 Feet Of Org. Mud w/ Tar %gas      %oil      %water      %mud       
 Rec.      Feet Of like oil spec. %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 119 °F Gravity N/A °API @      °F Corrected Gravity N/A °API       
 RW N.C. @ °F Chlorides 7,000 ppm Recovery Chlorides 7,000 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>2360</u>		PSI Recorder No.	<u>10248</u>	T-On Location <u>1400</u>
(B) First Initial Flow Pressure	<u>16</u>		PSI (depth)	<u>4862'</u>	T-Started <u>1450</u>
(C) First Final Flow Pressure	<u>16</u>		PSI Recorder No.	<u>10290</u>	T-Open <u>1655</u>
(D) Initial Shut-In Pressure	<u>1043</u>		PSI (depth)	<u>4867'</u>	T-Pulled <u>2043</u>
(E) Second Initial Flow Pressure	<u>21</u>		PSI Recorder No.	<u>    </u>	T-Out <u>2305</u>
(F) Second Final Flow Pressure	<u>46</u>		PSI (depth)	<u>    </u>	T-Off Location <u>0015</u>
(G) Final Shut-in Pressure	<u>1767</u>		PSI Initial Opening	<u>30</u>	Test <input checked="" type="checkbox"/> <u>750</u>
(Q) Final Hydrostatic Mud	<u>2261</u>		PSI Initial Shut-in	<u>45</u>	Jars <input checked="" type="checkbox"/> <u>200</u>
			Final Flow	<u>60</u>	Safety Joint <input checked="" type="checkbox"/> <u>50</u>
			Final Shut-in	<u>90</u>	Straddle <u>    </u>
				<u>    </u>	Circ. Sub <u>    </u>
				<u>    </u>	Sampler <u>    </u>
				<u>    </u>	Extra Packer <u>    </u>
				<u>    </u>	Elec. Rec. <u>    </u>
				<u>    </u>	Mileage <u>65</u> <input checked="" type="checkbox"/> <u>65</u>
				<u>    </u>	Other <u>    </u>

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Approved By [Signature]  
 Our Representative [Signature]

TOTAL PRICE \$ 1065.00



Well Name Starrbucker  
DST Number 2  
Recorder Number 10248

A: 2.063 ~~2~~ 2275

B: .017 19

C: .017 19

D: .940 1045

E: .027 31

F: .039 44

G: 1.612 1779

Q: 2.244 2254