

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1054927

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #		API No. 15
Name:		Spot Description:
Address 1:		
Address 2:		Feet from North / South Line of Section
City: Sta	ate: Zip:+	Feet from East / West Line of Section
		Footages Calculated from Nearest Outside Section Corner:
		County:
		Lease Name: Well #:
		Field Name:
-		
		Producing Formation:
Designate Type of Completion:		Elevation: Ground: Kelly Bushing:
New Well Re-I	Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW	SWD SIOW	Amount of Surface Pipe Set and Cemented at: Fee
Gas D&A	ENHR SIGW	Multiple Stage Cementing Collar Used? Yes No
OG	GSW Temp. Abd.	If yes, show depth set: Fee
CM (Coal Bed Methane)		If Alternate II completion, cement circulated from:
Cathodic Other (Core,	Expl., etc.):	feet depth to:w/sx cmi
If Workover/Re-entry: Old Well Info	o as follows:	
Operator:		
Well Name:		Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date:	Original Total Depth:	
Deepening Re-perf.	Conv. to ENHR Conv. to SWD	Chloride content: ppm Fluid volume: bbls
		Dewatering method used:
Plug Back:	Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled	Permit #:	
Dual Completion	Permit #:	Operator Name:
	Permit #:	Lease Name: License #:
	Permit #:	Quarter Sec TwpS. R East Wes
GSW	Permit #:	County: Permit #:
Spud Date or Date Read Recompletion Date	ched TD Completion Date or Recompletion Date	

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY					
Letter of Confidentiality Received					
Date:					
Confidential Release Date:					
Wireline Log Received					
Geologist Report Received					
UIC Distribution					
ALT I II III Approved by: Date:					

	Side Two	1054927
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional She	eets)	Yes No)	☐ Log Name	Formatior	n (Top), Depth an		Sample
Samples Sent to Geolog	gical Survey	Yes No)	Name			Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted B (If no, Submit Copy)	Electronically	Yes No Yes No Yes No	>					
List All E. Logs Run:								
		CAS	ING RECORD	New	Used			
		Report all strings	set-conductor, surfa	ace, interm	nediate, productio	on, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / F		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD				
Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated						ement Squeeze Record of Material Used)	Depth		
TUBING RECORD:	Siz	ze:	Set At:		Packe	r At:	Liner R	un:	No	
Date of First, Resumed	Product	ion, SWD or ENHF	ł.	Producing M	lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	s.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	ON OF (BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INT	ERVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Uually (Submit /	Comp. ACO-5)	Commingled (Submit ACO-4)		
(If vented, Sul	bmit ACC)-18.)		Other (Specify)						<u></u>

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



phone: 316-337-6200 fax: 316-337-6211 http://kcc.ks.gov/

Thomas E. Wright, Chairman Ward Loyd, Commissioner Corporation Commission

Sam Brownback, Governor

April 29, 2011

Douglas H. McGinnss II CMX, Inc. 1700 N WATERFRONT PKWY Bldg 300B WICHITA, KS 67206

Re: ACO1 API 15-171-20792-00-00 CRIST 31-1 NW/4 Sec.31-20S-33W Scott County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Douglas H. McGinnss II



DRILL STEM TEST REPORT

Prepared For: CMX Inc

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1700 North Waterfront Pkwy Bldg 300 STE B Wichita KS 67202

ATTN: Leah Kasten

31-20-33 Scott KS

Crist 31-1

Start Date:	2011.01.12 @	11:30:15	
End Date:	2011.01.12 @	17:17:00	
Job Ticket #:	040615	DST #:	1

Trilobite Testing, Inc PO Box 1733 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

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2011.01.12

Crist 31-1 Start 14 Start 14	RILOBITE	DRILL STEM TE	EST REI	PORT		
GENERAL INFORMATION: Formation: Marmaton Deviated: No Whipstock: ft (KB) Time Tool Opened: 134615 Total Topics: Marmaton Time Tool Opened: 134615 Total Dopened: 2366.00 ft (KB) Total Dopin: 4453.00 ft (KB) To 4453.00 ft (KB) 2010 ft (KB) Preseq@RunDepti: 2107 psg @ 4445.00 ft (KB) 2011-01.12 Last Calh:: 2011.01.12 @ 3000.00 psig Start JH: 6000000 psig Capacity: 3000.00 psig 2011.01.12 @ 1300.15 End Time: 17.17:00 Time Ch Bin: 2011.01.12 @ 1300.16 Start Time: 11:30:15 End Time: 17.17:00 Time Ch Bin: 2011.01.12 @ 13:46:00 Start Time: 11:30:15 End Time: 17.17:00 Time Ch Bin: 2011.01.12 @ 15:46:00 TEST COMMENT: Evenue to Time Feldeation: 2011.01.12 @ 15:44:50 Test Time: 11:30:15 End Time: 17:17:00 Time Ch Bin: 2011.01.12 @ 15:46:00 Time: 11:30:16 End Time: 17:17:00 Time Ch Bi		CMX Inc 1700 North Waterfront Pkw y Błdg 300 STE B Wichita KS 67202		Crist 31- 31-20-33 Job Ticket:	Scott KS 040615 DST	
Bavialed: No Withpstock: ft (KB) Time Toel Elded: 71250 Time Toel Elded: 71250 Interval: 4380.00 ft (KB) (TV D) Pole Diameter: 7.08 holest/bis Condition: Fair Serial #: 6669 Outside 2011.01.12 Start Det: 2011.01.12 Start Det: 2011.01.12 EST COMMENT: EVents blow SNo return blow Fish blow	GENERAL INFORMATION:					
Total Depth: 4453.00 ft (KB) (TVD) Paference Elevations: 285.00 ft (KB) (285.00 ft (KB	Deviated: No Whipstock: Time Tool Opened: 13:46:15 Time Test Ended: 17:17:00		*	Tester:	Mike Roberts	Hole
Serial #: 6689 Outside 2107 psig 4443.00 ft (KB) Capacity: 8000.00 psig Start Date: 2011.01.12 End Date: 2011.01.12 Last Calib.: 2011.01.12 2134500 Start Time: 11:30:15 End Time: 17:17:00 Time On Blm: 2011.01.12 2134500 TEST COMMENT: E:Weak surface blow S:No return blow File PRESSURE SUMMARY PRESSURE SUMMARY PRESSURE SUMMARY Press(0) PRESSURE SUMMARY PRESSURE SUMMARY PRESSURE SUMMARY PRESSURE SUMMARY Pressure Time Pressure Time <t< td=""><td>Total Depth: 4453.00 ft (KB) (TV</td><td>/D)</td><td></td><td></td><td>2957.0</td><td>00 ft (CF)</td></t<>	Total Depth: 4453.00 ft (KB) (TV	/D)			2957.0	00 ft (CF)
Image: Non-Static PRESSURE SUMMARY Image: Non-Static Image: Non-Static Image: Non-Static Image: Non-Static Image: Non-Static 1 2210.44 100.86 Initial Hydro-static Image: Non-Static 1 20.76 100.26 Open To Flow (1) Image: Non-Static 102.50 Open To Flow (2) Open To Flow (2) Image: Non-Static 102.50 Open To Flow (2) Open To Flow (2) Image: Non-Static 102.50 Open To Flow (2) Image: Non-Static Image: Non-Static 104.47 Image: Non-Static Image: Non-Static Image: Non-Static 115 47.20 104.06 End Shut-In(2) Image: Non-Static Image: Non-Static Image: Non-Static Image: Non-Static Image: Non-Static Image: Non-Static <t< td=""><td>Press@RunDepth: 21.07 psig Start Date: 2011.01.12 Start Time: 11:30:15 TEST COMMENT: IF:Weak surface IS:No return blow FF:No blow</td><td>End Date: End Time:</td><td></td><td>Capacity: Last Calib.: Time On Btm:</td><td>8000.0 2011.01.1 2011.01.12 @ 13:46:0</td><td>0 psig 2 0</td></t<>	Press@RunDepth: 21.07 psig Start Date: 2011.01.12 Start Time: 11:30:15 TEST COMMENT: IF:Weak surface IS:No return blow FF:No blow	End Date: End Time:		Capacity: Last Calib.: Time On Btm:	8000.0 2011.01.1 2011.01.12 @ 13:46:0	0 psig 2 0
Image Pressure (Min.) Tamp (gig) Annotation (digs F) mage	Pressure vs. Tir	це	<u></u>			
Length (t) Description Volume (bbi) Gas Rates 5.00 m 100% 0.02 Choice (inches) Pressure (psig) Gas Rate (Mctin)		14 ₁₀₀ relating	(Min.) 0 1 30 61 61 75 115	Pressure (psig) Temp (deg F) 2210.44 100.68 20.76 100.28 21.57 101.31 46.86 102.50 20.91 102.50 21.07 102.89 47.20 104.06	Annotation Initial Hydro-static Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2)	
Volume (bb) Volume (bb) Choke (inches) Pressure (psig) Gas Rate (Mctrid) 5.00 m 100% 0.02	1			Gas	Rates	
						Rele (Mcf/d)
	Trilobite Testing, Inc	Ref. No: 040615		Printed 2		Page 2

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RILOBITE	DRILL	STEM TES	REPOR	T	TOOL DIAGRAN
	CiVIX Inc			Crist 31-1	
ESTING , INC	1700 North V	Naterfront Pkw y		31-20-33 Scott KS	
	Bidg 300 STI				
	Wichita KS 6			Job Ticket: 040615	DST#:1
	ATTN: Leal	h Kasten		Test Start: 2011.01.12 @	0 11:30:15
Tool Information					
Drill Pipe: Length: 3793.00 ft	Diameter:	2.80 inches Volume	28.89 bbi	Tool Weight:	1500.00 lb
Heavy Wt. Fipe: Length: 0.00 ft	Diameter:	0.00 inches Volume	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar: Length: 589.00 ft	Diameter:	2.25 inches Volume		Weight to Pull Loose;	
Drill Pipe Above KB: 30.00 ft		Total Volume	31.79 bbl	Tool Chased	0.00 ft
Depth to Top Packer: 4380.00 ft				String Weight: Initial	54000.00 lb
Depth to Bottom Packer: ft				Final	55000.00 lb
Interval between Packers: 73.00 ft					
Tool Length: 101.00 ft					
Number of Packers: 2	Diameter:	6.75 inches			
Tool Comments:					
		al No. Position	Depth (ft) Ac	cum. Lengths	
Change Over Sub	1.00 `		4353.00		
	1.00		4303.00		
Shut in Tool	5.00		4358.00 4358.00		
Shut in Tool Hydraulic tool	5.00 5.00				
Shut in Tool Hydraulic tool Jars	5.00		4358.00		
Shut In Tool Hydraulic tool Jars Safety Joint	5.00 5.00 5.00 3.00		4358.00 4363.00		
Shut in Tool Hydraulic tool Jars Safety Joint Packer	5.00 5.00 5.00 3.00 5.00		4358.00 4363.00 4368.00 4371.00 4376.00	28.00	Bottom Of Top Packer
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer	5.00 5.00 5.00 3.00 5.00 4.00		4358.00 4363.00 4368.00 4371.00 4376.00 4380.00	28.00	Bottom Of Top Packer
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb	5.00 5.00 5.00 3.00 5.00 4.00 1.00		4358.00 4363.00 4368.00 4371.00 4376.00 4380.00 4381.00	28.00	Bottom Of Top Packer
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations	5.00 5.00 5.00 3.00 5.00 4.00 4.00		4358.00 4363.00 4368.00 4371.00 4376.00 4380.00 4381.00 4385.00	28.00	Bottom Of Top Packer
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Change Over Sub	5.00 5.00 3.00 5.00 4.00 1.00 4.00 1.00		4358.00 4363.00 4368.00 4371.00 4376.00 4380.00 4381.00 4385.00 4386.00	28.00	Bottom Of Top Packer
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Change Over Sub Drill Pipe	5.00 5.00 3.00 5.00 4.00 4.00 1.00 61.00		4358.00 4363.00 4368.00 4371.00 4376.00 4380.00 4381.00 4385.00 4386.00 4447.00	28.00 	Bottom Of Top Packer
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Change Over Sub Drill Pipe Change Over Sub	5.00 5.00 5.00 5.00 4.00 1.00 4.00 1.00 61.00 1.00		4358.00 4363.00 4368.00 4371.00 4376.00 4380.00 4381.00 4385.00 4386.00 4447.00 4448.00	28.00	Bottom Of Top Packer
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Change Over Sub Orill Pipe Change Over Sub Recorder	5.00 5.00 3.00 5.00 4.00 1.00 4.00 1.00 61.00 0.00	8358 Outside	4358.00 4363.00 4368.00 4371.00 4376.00 4380.00 4381.00 4385.00 4386.00 4447.00 4448.00	28.00	Bottom Of Top Packer
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Change Over Sub Drill Pipe Change Over Sub Recorder Recorder	5.00 5.00 3.00 5.00 4.00 1.00 4.00 1.00 61.00 0.00 0.00	8358 Outside 6669 Outside	4358.00 4363.00 4368.00 4371.00 4376.00 4380.00 4381.00 4385.00 4385.00 4386.00 4447.00 4448.00 4448.00		
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Change Over Sub Drill Pipe Change Over Sub Recorder Recorder Recorder Bullnose	5.00 5.00 3.00 5.00 4.00 1.00 4.00 1.00 61.00 1.00 0.00 0.00 5.00		4358.00 4363.00 4368.00 4371.00 4376.00 4380.00 4381.00 4385.00 4386.00 4447.00 4448.00		Bottom Of Top Packer
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Change Over Sub Drill Pipe Change Over Sub Recorder Recorder	5.00 5.00 3.00 5.00 4.00 1.00 4.00 1.00 61.00 0.00 0.00		4358.00 4363.00 4368.00 4371.00 4376.00 4380.00 4381.00 4385.00 4385.00 4386.00 4447.00 4448.00 4448.00		
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Change Over Sub Drill Pipe Change Over Sub Recorder Recorder Recorder Bullnose	5.00 5.00 3.00 5.00 4.00 1.00 4.00 1.00 61.00 1.00 0.00 0.00 5.00		4358.00 4363.00 4368.00 4371.00 4376.00 4380.00 4381.00 4385.00 4385.00 4386.00 4447.00 4448.00 4448.00	73.00 Bot	
Shut In Tool Hydraulic tool Iars Safety Joint Packer Packer Stubb Perforations Change Over Sub Orill Pipe Change Over Sub Recorder Recorder Recorder	5.00 5.00 3.00 5.00 4.00 1.00 4.00 1.00 61.00 1.00 0.00 0.00 5.00		4358.00 4363.00 4368.00 4371.00 4376.00 4380.00 4381.00 4385.00 4385.00 4386.00 4447.00 4448.00 4448.00	73.00 Bot	
Shut In Tool Hydraulic tool Iars Safety Joint Packer Packer Stubb Perforations Change Over Sub Orill Pipe Change Over Sub Recorder Recorder Recorder	5.00 5.00 3.00 5.00 4.00 1.00 4.00 1.00 61.00 1.00 0.00 0.00 5.00		4358.00 4363.00 4368.00 4371.00 4376.00 4380.00 4381.00 4385.00 4385.00 4386.00 4447.00 4448.00 4448.00	73.00 Bot	
Shut In Tool Hydraulic tool Iars Safety Joint Packer Packer Stubb Perforations Change Over Sub Orill Pipe Change Over Sub Recorder Recorder Recorder	5.00 5.00 3.00 5.00 4.00 1.00 4.00 1.00 61.00 1.00 0.00 0.00 5.00		4358.00 4363.00 4368.00 4371.00 4376.00 4380.00 4381.00 4385.00 4385.00 4386.00 4447.00 4448.00 4448.00	73.00 Bot	
Shut In Tool Hydraulic tool Iars Safety Joint Packer Packer Stubb Perforations Change Over Sub Orill Pipe Change Over Sub Recorder Recorder Recorder	5.00 5.00 3.00 5.00 4.00 1.00 4.00 1.00 61.00 1.00 0.00 0.00 5.00		4358.00 4363.00 4368.00 4371.00 4376.00 4380.00 4381.00 4385.00 4385.00 4386.00 4447.00 4448.00 4448.00	73.00 Bot	
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Change Over Sub Drill Pipe Change Over Sub Recorder Recorder Recorder Bullnose	5.00 5.00 3.00 5.00 4.00 1.00 4.00 1.00 61.00 1.00 0.00 0.00 5.00		4358.00 4363.00 4368.00 4371.00 4376.00 4380.00 4381.00 4385.00 4385.00 4386.00 4447.00 4448.00 4448.00	73.00 Bot	
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Change Over Sub Drill Pipe Change Over Sub Recorder Recorder Recorder Bullnose	5.00 5.00 3.00 5.00 4.00 1.00 4.00 1.00 61.00 1.00 0.00 0.00 5.00		4358.00 4363.00 4368.00 4371.00 4376.00 4380.00 4381.00 4385.00 4385.00 4386.00 4447.00 4448.00 4448.00	73.00 Bot	
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Change Over Sub Drill Pipe Change Over Sub Recorder Recorder Recorder Bulinose	5.00 5.00 3.00 5.00 4.00 1.00 4.00 1.00 61.00 1.00 0.00 0.00 5.00		4358.00 4363.00 4368.00 4371.00 4376.00 4380.00 4381.00 4385.00 4385.00 4386.00 4447.00 4448.00 4448.00	73.00 Bot	
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Change Over Sub Drill Pipe Change Over Sub Recorder Recorder Recorder Bullnose	5.00 5.00 3.00 5.00 4.00 1.00 4.00 1.00 61.00 1.00 0.00 0.00 5.00		4358.00 4363.00 4368.00 4371.00 4376.00 4380.00 4381.00 4385.00 4385.00 4386.00 4447.00 4448.00 4448.00	73.00 Bot	
Shut In Tool Hydraulic tool Iars Safety Joint Packer Packer Stubb Perforations Change Over Sub Drill Pipe Change Over Sub Recorder Recorder Recorder	5.00 5.00 3.00 5.00 4.00 1.00 4.00 1.00 61.00 1.00 0.00 0.00 5.00		4358.00 4363.00 4368.00 4371.00 4376.00 4380.00 4381.00 4385.00 4385.00 4386.00 4447.00 4448.00 4448.00	73.00 Bot	

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RILOBITE	DRILL	STEM TEST REPOR	ХТ	FLUID S	UMMARY
	CMX Inc		Crist 31-1		•
ESTING, INC		Vaterfront Pkw y	31-20-33 Scott KS		•
	Bidg 300 STE Wichita KS 6	2B 7202	Job Ticket: 040615	DST#:1	
	ATTN: Leaf		Test Start: 2011.01.12	@ 11:30:15	
lud and Cushion Information					
lud Type: Gel Chém		Cushion Type:	Oil API;		0 deg APi
lud Weight: 9.00 lb/gai		Cushion Length:	ft Water Sa	linity: .	0 ppm
iscosity: 50.00 sec/qt Vater Loss: 17.92 in³	· .	Cushion Volume: Gas Cushion Type:	bbl		
Vater Loss: 17.92 in ^a esistivity: 0.00 ohm.m		Gas Cushion Pressure:	psig		
alinity: 3800.00 ppm ilter Cake: 2.00 inches				· . ·	
Recovery Information	<u> </u>			· · ·	
		Recovery Table	· .		
Leng	ith	Description	Volume bbl		
	5.00 m 10	00%	0.025		
Total Length:	5.00 ft	Total Volume: 0.025 b	bi	· •	۰,
Num Fluid Sam Laboratory Nar Recovery Com	me:	Num Gas Bombs: 0 Laboratory Location:	Serial#:		. :
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. Temperature - 105 - 100 - 85 80 - 75 80 8 22 -80 -8 ម្ល 00 10 1 DST Test Number: 1 6669 Temperature Final Hydro-static ≣nd Shut-In(2) 7 Open Sbuffdre(2) End Shut-In(1) ЗРМ 31-20-33 Scott KS Pressure vs. Time Time (Hours) Dif-tin(1) Initial Hydrd-static **Dpen To Flow(1)** 6669 Pressure] Outside CMX inc 12PM 12 Wed Jan 2011 Serial #: 6669 2000 -1500 -Pressure 200 ò

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Ref. No: 040615

Trilobite Testing, Inc



DRILL STEM TEST REPORT

Prepared For: CMX Inc

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1700 North Waterfront Pkwy Bldg 300 STE B Wichita KS 67202

ATTN: Leah Kasten

31-20-33 Scott KS

Crist 31-1

 Start Date:
 2011.01.13 @ 21:08:15

 End Date:
 2011.01.14 @ 02:23:00

 Job Ticket # 040616
 DST #: 2

Trilobite Testing, Inc PO Box 1733 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

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DST # 2

CMX Inc

Crist 31-1

	DRILL STEM TES	ST REPORT
RILOBITE	CMX Inc	Crist 31-1
ESTING , INC	1700 North Waterfront Pkw y Bldg 300 STE B Wichita KS 67202 ATTN: Leah Kasten	31-20-33 Scott KS Job Ticket: 040616 DST#: 2 Test Start: 2011.01.13 @ 21:08:15
GENERAL INFORMATION:		
Formation: Cherokee Deviated: No Whipstock: Time Tool Opened: 23:14:15 Time Test Ended: 02:23:00 Interval: 4524.00 ft (KB) To 46	ft (KB) 03 00 ft (KB) (TVD)	Test Type: Conventional Bottom Hole Tester: Mike Roberts Unit No: 48 Reference Elevations: 2966.00 ft (KB)
Total Depth: 4603.00 ft (KB) (TV Hole Diameter: 7.88 inchesHole	/D)	2957.00 ft (CF) KB to GR/CF: 9.00 ft
Serial #: 6669 Outside Press@RunDepth: 25.02 psig Start Date: 2011.01.13 Start Time: 21:08:15 TEST COMMENT: IF:Weak surface IS:No return blow FS:No return blow	End Date: End Time: blow	Capacity: 8000.00 psig 2011.01.14 Last Calib.: 2011.01.14 02:23:00 Time On Btm: 2011.01.13 @ 23:14:00 Time Off Btm: 2011.01.14 @ 00:47:00
Pressues vs. Ti	me	PRESSURE SUMMARY
250 250 400 400 400 400 400 400 400 4	110 110 110 110 100 100 100 100	Time (Min.) Pressure (psig) Temp (deg F) Annotation 0 2301.86 106.00 Initial Hydro-static 1 23.09 105.49 Open To Flow (1) 33 24.45 106.58 Shut-In(1) 63 44.57 107.60 End Shut-In(1) 63 23.81 107.59 Open To Flow (2) 77 25.02 107.99 Shut-In(2) 93 29.49 108.43 End Shut-In(2) 93 2368.79 108.85 Final Hydro-static
Recovery		Gas Rates
Length (ft) Description 5.00 m 100% mud	Volume (bbi) 0.02	Choke (Inches) Pressure (psig) Gas Rate (Mct/d)
Trilobite Testing, Inc	Ref. No: 040616	Printed: 2011.01.21 @ 10:25:53 Page 2

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RILOB		DRI	LL STE	MTEST	REPO	RT	TOOL DIAGRA
No. 2		CMX In	c			Crist 31-1	· · · · · · · · · · · · · · · · · · ·
EST.	ING , INC	17 00 10	orth Waterfro	nt Pkw y		31-20-33 Scott KS	i
			10 STE B KS 67202			Job Ticket: 040616	DST#:2
			Leah Kaster	1		Test Start: 2011.01.13	3@21:08:15
Tool Information	!				,		
	3937.00 ft	Diameter:	280 in	ches Volume:	29.98 bbi	Tool Weight:	1500.00 lb
Heavy Wt. Pipe: Length:		Diameter:		ches Volume:			
Drill Collar: Length;	589.00 ft			ches Volume:		•	
-			•	Total Volume:		-	0.00 ft
Drill Pipe Above KB:	30.00 ft					String Weight: Initia	al 52000.00 lb
• •	4524.00 ft ft					Fina	i 52000.00 lb
Depth to Bottom Packer: Interval between Packers:	π 79.00 ft						
Tool Length:	79.00 ft						
Number of Packers:	. 2	Diameter:	6.75 in	ches			
Tool Comments:	- 4		0.10 m				
ioor commenter							
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer		5.00 5.00 5.00 3.00 5.00 4.00			4502.00 4507.00 4512.00 4515.00 4520.00 4524.00	28.00	Bottom Of Top Packer
Stubb		1.00			4525.00		
Perforations		9.00			4534.00		
Change Over Sub		1.00			4535.00		
Drill Pipe		62.00			4597.00		
Change Over Sub		1.00			4598.00		
Recorder		0.00	8358	Outside	4598.00		
Recorder		0.00	6669	Outside	4598.00		
Bulhose		5.00			4603.00	79.00	Bottom Packers & Anchor
Total Tool	Length:	107.00				· · ·	
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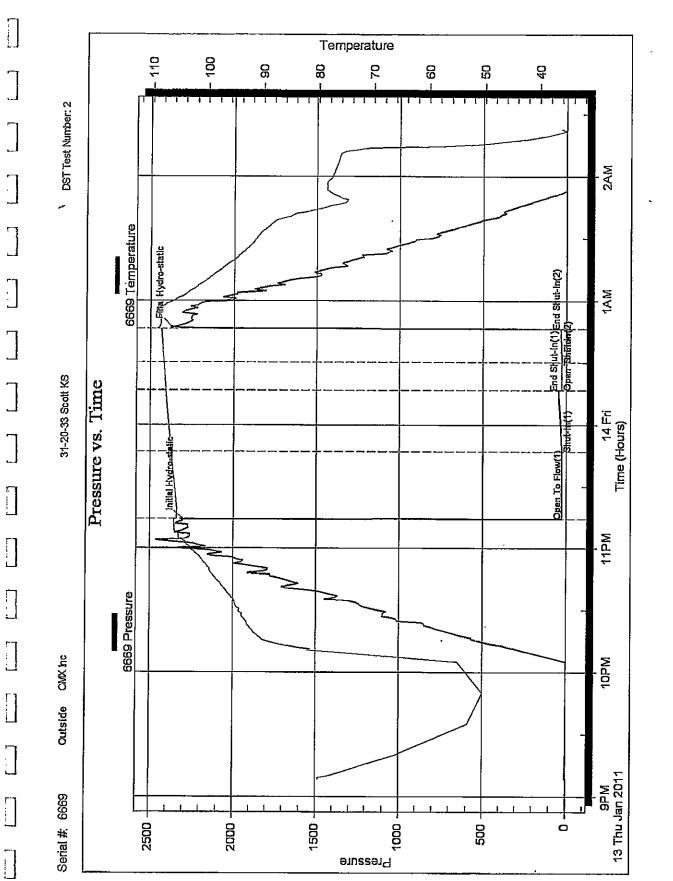
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ACT T		DRILL	STEM TEST RE	PORT			FLUID	SUMMAR
NEW L	RILOBITE	CIVIX Inc		··	Crist 31-1		<u> </u>	
	ESTING , INC	1700 North V	Naterfront Pkw y		31-20-33 \$	Scoff KS		•
		Bidg 300 STI	EB		Job Ťicket: (DST#::	2
		Wichita KS 6 ATTN: Leal				2011.01.13@		-
			, , , , , , , , , , , , , , , , , , ,				g 21.00.10	
	ion Information							
Mud Type: Gel C		•	Cushion Type:	•		Oil API:	-,	0 deg API
Mud Welght: Viscosity:	9.00 lb/gal 72.00 sec/qt		Cushion Length: Cushion Volume:		ft obl	Water Salin	ity:	0 ppm
Water Loss:	11.57 in ³		Gas Cushion Type:		וסכ			
Resistivity:	0.00 ohmm	. · ·	Gas Cushion Pressure:	1	osig			ı
	4700.00 ppm				5519	•		
Filter Cake:	2.00 inches	<u> </u>				<u>.</u>		
Recovery Infor	mation							
			Recovery Table			7		•
	Lengti ft	h	Description	1	Volume bbi			
		5.00 m 10	00% muđ		0.02	5		
	Total Length:	5.00ft	Total Volume: (0.025 bbl 🗧				
	Num Fluid Sampl Laboratory Nam		Num Gas Bombs: 0 Laboratory Location:		Serial #	ŧ		
	Manage and A the state							
	Recovery Comm							
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Printed: 2011.01.21 @ 10:25:55 Page 5

Ref. No: 040616

Trilobite Testing, Inc



PO	BOX	31	Russell,	KS	67665
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Voice: (785) 483-3887

Fax: (785) 483-5566

ONLY IF PAID ON OR BEFORE

CMX, Inc. 1700 N Waterfront Parkway Bldg 300, Suite B Wichita, KS 67206	Bill To:	
	1700 N Waterfront I Bldg 300, Suite B	Parkway

INVOICE

Invoice Number: 125898 Invoice Date: Jan 10, 2011 Page: 1

Federal Tax I.D.#: 20-5975804

Customer.ID	Well Name # or Customer P.O.	Payme	nt Terms
CMX ·	Crist #1-31	Net 3	0 Days
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Jan 10, 2011	2/9/11

Quantity	Item	250308 ²⁸ 0.2	Description	Unit Price	
162.00	MAT	Class A (15.45	2,502.90
108.00	MAT	Pozmix		8.00	864.00
9.00	MAT	Gel		20.80	187.20
68.00	MAT	Flo Seal		2.50	170.00
282.00	SER	Handling		2.40	676.80
65.00	SER	Mileage	282 sx @.10 per sk per mi	28.20	1,833.00
1.00	SER	Plug to A	bandon	1,017.00	
65.00	SER	Pump tru	ick Mileage	7.00	455.00
			Subtotol		7,705.90
ALL PRICES	ALL PRICES ARE NET, PAYABLE		Subtotal		
30 DAYS FO	30 DAYS FOLLOWING DATE OF		Sales Tax	562.53	
	1 1/2% CHARGE ER. IF ACCOUNT		Total Invoice Amount	8,268.43	
	TAKE DISCOUNT		Payment/Credit Applied		A DATE OF A
\$ 154			TOTAL	8,268.43	



PO BOX 31 Russell, KS 67665



Invoice Number: 125812 Invoice Date: Jan 6, 2011 Page: 1

Voice: (785) 483-3887 Fax: (785) 483-5566

BILTO

CMX, Inc. 1700 N Waterfront Parkway Bldg 300, Suite B Wichita, KS 67206 Federal Tax I.D.#: 20-5975804

CMX Crist #1-31 Net 30 Days Job Location Camp Location Service Date KS1-01 Oakley Iap 6, 2011 2/5/11	Translater Customer ID	Well Name/# or Customer P.O.	Paymen	t Terms : the state of the second
	CMX	Crist #1-31	Net 30	Days
KS1-01 Oakley Jap 6 2011 2/5/11	Job Location	Camp Location	Service Date	Due Date
	KS1-01	Oakley	Jan 6, 2011	2/5/11

Quantity	item .		Description	Unit Price	Amount- +
225.00		Class A	Common	15.45	3,476.25
	MAT	Gel		20.80	83.20
1	MAT	Chloride		58.20	465.60
237.00		Handling	-	2.40	568.80
65,00			237 sx @.10 per sk per mi	23.70	1,540.50
	SER	Surface		1,018.00	1,018.00
65.00			uck Mileage	7.00	455.00
1.00	EQP	8.5/8 Plu	ıg	68.00	68.00
			Subtotal		7,675.35
	ALL PRICES ARE NET, PAYABLE				
	LLOWING DATE 1 1/2% CHARGEI		Sales Tax	298.79	
	ER. IF ACCOUNT		Total Invoice Amount	7,974.14	
	AKE DISCOUNT		Payment/Credit Applied		and independent Control of the Super-structure and super-st
\$ 7535	2		TOTAL	7,974.14	

ONLY IF PAID ON OR BEFORE

ALLIED CEMENTING CO., LLC. 040804 Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31

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SERVICE POINT:

i - 6 - i Φ SEC. TWP. RANGE				4
			CALLE	4
DATE 31 20 33	CALLED OUT	ON LOCATION	JOB START	
LEASE WELL# 1-31 LOCATION FILE	N 6 14 w-			STATE
OLD OR AEW (Circle one)		<u></u>	2.2.4	<u> </u>
CONTRACTOR Duke +4	OWNER	•••	-	
TYPE OF JOB SUN Swa	UWNER	·		
HOLE SIZE (244 T.D. 340'	CEMENT			
CASING SIZE 18 81 18 28 DEPTH 380	AMOUNT OR	DERED 23	SEPS C	<u>on 35% r</u>
TUBING SIZE DEPTH	- 25an	l .		
DRILL PIPE DEPTH				
TOOL DEPTH	-	·	45	?
PRES. MAX MINIMUM	_ COMMON	225	_@1545	- 3416
MEAS. LINE SHOE JOINT	_ POZMIX		- [@]	
$\frac{\text{CEMENT LEFT IN CSG.}}{\text{PERFS.}} \qquad 1 \leq \frac{1}{2}$	_ GEL		@ <u>20</u> %	83.
DISPLACEMENT 22.7	_ CHLORIDE _		@ 58 29	265
	ASC		_@	
EQUIPMENT	·		_@	
		·	- <u>,</u>	
PUMPTRUCK CEMENTER		·		· · ···.
# 422 HELPER trayne				· · · · · ·
BULK TRUCK				-
# <u>Serb</u> DRIVER W. Ubes			@	
# DRIVER			@C	
	- HANDLING		<u>@</u> 2	568
	MILEAGE	10+5K+m	1.6	1540 3
REMARKS:			TOTAL	61343
coment ded circulate				
<u>• • · · · · · · · · · · · · · · · · · ·</u>	• ·	SERVI	СК	
	- 			
Plug Downe G: 70pm	DEPTH OF JO	в	3	<u>30</u>
	PUMP TRUCK	CHARGE		10180
·····	EXTRA FOOT		_@ <u>_1 85_</u>	NIC
Thanks First Levous	. MILEAGE	.65	@	4559
Thanks hirsly kerow	 MANIFOLD	..	_@	
	 .	· · · · · · · · · · · · · · · · · · ·	_@:	
			@	
CHARGE TO:	. .			U ~~ ~~ ~~
STREET	· ·		TOTAL	1473
STATĘZIP	· · · · · ·			
· · ·		PLUG & FLOAT	EQUIPMEN	Т
· ·	1-8718	S olya	@	<u> </u>
		- 123-	`@	0.0
To Allied Computing Co. LLC		=	_@	· · · · · ·
To Allied Cementing Co., LLC.	•	· - · · · ·	@	
You are hereby requested to next new outline and interest.			@	
You are hereby requested to rent cementing equipment				
and furnish cementer and helper(s) to assist owner or				~~~~
and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was				68 00
and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or		·	TOTAL	68 00
and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL	SALES TAX (I	f Any)		68 00
and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or		•		68 02
and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL FERMS AND CONDITIONS" listed on the reverse side.		f Any) GES		68 09
and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL FERMS AND CONDITIONS" listed on the reverse side.	TOTAL CHAR	•	TOTAL	· .
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