

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1054922

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: State: Zip:+	Feet from Cast / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.): If Workover/Re-entry: Old Well Info as follows:	Amount of Surface Pipe Set and Cemented at: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: feet depth to: w/ sx cmt.
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 Conv. to GSW Plug Back: Plug Back Total Depth Commingled Permit #: Permit #: Dual Completion Permit #: Permit #: SWD Permit #: Permit #: ENHR Permit #: Permit #:	Chloride content: ppm Fluid volume: bbls Dewatering method used: bbls Location of fluid disposal if hauled offsite: Operator Name: Lease Name: Quarter Sec. S. R
GSW Permit #:	County: Permit #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date 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

	Side Two	1054922
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 Formatio	on (Top), Depth an	d Datum Top	Sample
Samples Sent to Geolog	gical Survey	Yes No		ame		юр	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASI	NG RECORD	New Used			
		Report all strings s	set-conductor, surface,	intermediate, produc	tion, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	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			e			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
DISPOSITION OF GAS:				METHOD	OF COMPLE	TION:		PRODUCTION INT	ERVAL:	
Vented Sold Used 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 McGinness I CMX, Inc. 1700 N WATERFRONT PKWY Bldg 300B WICHITA, KS 67206

Re: ACO1 API 15-145-21628-00-00 POWERS 1 SW/4 Sec.15-21S-19W Pawnee 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 McGinness I



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	INVOICE NUMB	ER
1 of 1	1000793	01/25/2011
PAGE	CUST NO	INVOICE DATE

1718 - 90508723

в	Pratt CMX INC	(620) 672-12	01 J 0 B	LEASE NAME LOCATION	Powers 1		
I L L T		TERFRONT PKWY STE 150 67206	S I T E	COUNTY STATE JOB DESCRIPTION JOB CONTACT	Pawnee KS Cement-New	Well	Casing/Pi

JOB #	EQUIPMENT #	PURCHASE	ORDER NO.		TERMS	DUE DATE
40277386	20920				Net - 30 days	02/24/2011
<i>For Service Dates</i> 0040277386	: 01/22/2011 to 0	1/22/2011	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
P.T.A.	ent-New Well Casing/F	Pi 01/22/2011				4 770 00 0
Heavy Equipment N	+	\$	200.00 344.00 85.00 170.00	ea Hr Mi	8.88 0.19 3.15 5.18	63.64 1 267.33 880.60
Proppant and Bulk 1 Depth Charge; 100 Blending & Mixing 5 Supervisor	1-2000'		731.00 1.00 200.00 1.00	HR MI	1.18 1,110.00 1.04 129.50	1,110.00 207.20
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AND SERVICE ER AND RECEIVED BY: (WELL OWNER OPERATOR CONTRACTOR OR AGENT)

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TOTAL

FIELD SERVICE ORDER NO.

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BASIC energy services, LR

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TREATMENT REPORT

Customer	CMX	•••	<u> </u>	ease No	,			<u>.</u>		Date	<u> </u>			
Lease	~ ~	NERS		Vell #	1	·····				01-22-11				
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10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

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DRILL STEM TEST REPORT

Prepared For: C

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CMX Inc.

1700 N.Waterfront Pkwy. Bldg.300 ,Ste.B. Wichita KS 67206

ATTN: Doug McGinness

15-21s-19w Pawnee Ks

Powers#1

 Start Date:
 2011.01.21 @ 00:06:12

 End Date:
 2011.01.21 @ 06:51:57

 Job Ticket #:
 041603
 DST #: 1

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

Printed: 2011.01.26 @ 19:23:21 Page 1

CMX Inc.

Powers#1

15-21s-19w Pawnee Ks

DST # 1

Cherokee

2011.01.21

ACEN		DRILL STEM T	ΈS	T REP	ORT				
	RILOBITE	CMX Inc.			Po	owers#1			
	ESTING , INC	1700 N.Waterfront Pkwy.			15	-21c-19u	r Pawnee	Ke	
		Bldg.300 ,Sie.B.				o Ticket: 0		DST#:	
		Wichita KS 67206 ATTN: Doug McGinness							
						st start: z	011.01.21 @	00:06:12	
GENERAL	L INFORMATION:	1							
Formation: Deviated:	Cherokee No Whipstock:		•						
	No Wnipstock: pened: 02:56:27	ft (KB)					Conventional		ole
-	nded: 06:51:57						Gary Pevote: 39	aux	
Interval:	4200.00 ft (KB) To 42	30.00 ft (KB) (TVD)			 Ref	ference El	evations:	2139.00) ft (KB)
Total Depth:	4230.00 ft (KB) (T\	/D)) ft (CF)
Hole Diamete	er: 7.88 inchesHole	Condition: Poor				KB	o GR/CF:	13.00) ft
Serial #:	8167 Inside		-		· ·				
Press@Runi					Capacity	<i>r</i> :		8000.00) psig
Start Date: Start Time:	2011.01.21	End Date:		2011.01.21	Last Cal			2011.01.21	
Start Time;	00:06:17	End Time:		06:51:56	Time On Time Off		2011.01.21 @	-	
					nne On	BUIL	2011.01:21 @	2 03:37:42	
TEST CON	MENT: IF:Strong blow . E								
	ISI:Weak blow . 1/	2 - 1".							
			•:						
	Pressure vs. Tr	me			·				
220	Stor Pressue	8107 Temperatu		Time	Pressure		RE SUMMA Annotation		
	16 A Kalman		- 133	. (Min.)	(psig)	(deg F)	Annotation		
Ē			- 110	0	2005.90		Initial Hydro		
1750 - F			- 10	2	333.22 684.95		Open To Fic	w(1)	
₩ <u></u>			. w	42	1253.18	123.47	Shut-In(1) End Shut-In	m	
			, 8 Retriet	44	1972.33	117.68			
1000			ralura (deg F) R S						
m[lr			ឆភ្ល						
		<u> </u>	æ						
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		$\overline{\langle \cdot \rangle}$	30						
"[20						
2174 12019	3466 32me(1900)	CAN .							
	Recovery					Ga	Rates		
Length (ff)	Description	Volume (bbi)				Choke (ii		(psig) G	as Rate (Mct
875.00	GCW/w afew o specs 3%	6g 97%w 10.63		J 		· · ·	l		
320.00	SO&GCMW 2%0 5%g 109	6m83%w 4.49							
125.00	GCWM/w o specs 5%g 1	7%w 78%m 1.75							
Trilobite Te	estina Inc							<u> </u>	
THOULE IE	cound, inc	Ref. No: 041603				Printed:	2011.01.26 @	<u>)</u> 19:23:21	Page

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Heavy Wt. Pipe:Length:0.00 fDrill Collar:Length:180.00 fDrill Pipe Above KB:4.00 fDepth to Top Packer:4200.00 f	ft Diameter: t Diameter: t Diameter: t Diameter: t Diameter: t t t t	5 67206 oug McGini 3.80 ind 0.00 ind 2.25 ind	-	56.05 bbl 0.00 bbl 0.89 bbl 56.94 bbl	Powers#1 15-21s-19w Pawnee Job Ticket: 041603 Test Start: 2011.01.21 @ Tool Weight: Weight set on Packer Weight to Pull Loose: Tool Chased String Weight: Initial Final	DST#:1 24000.00 lb : 20000.00 lb
Tool Information Drill Fipe: Length: 3996.00 f Heavy Wt. Pipe: Length: 0.00 f Drill Collar: Length: 180.00 f Drill Pipe Above KB: 4.00 f Depth to Top Packer: 4200.00 f Depth to Bottom Packer: f Interval betw een Packers: 30.00 f Tool Length: 58.00 f Number of Packers: 2	it Diameter: it Diameter: it Diameter: it Diameter: it Diameter: it t	Ste.B. 5 67206 oug McGini 3.80 inc 0.00 inc 2.25 inc	ness ches Volume: ches Volume: ches Volume:	0.00 bbl 0.89 bbl	Job Ticket: 041603 Test Start: 2011.01.21 (Tool Weight: Weight set on Packer Weight to Pull Loose: Tool Chased String Weight: Initial	DST#:1 24000.00 lb 20000.00 lb 87000.00 lb 0.00 ft
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Depth to Top Packer:4200.00 fDepth to Bottom Packer:fInterval betw een Packers:30.00 fTool Length:58.00 fNumber of Packers:2	t t t		Total Volume:	56.94 bbl	String Weight: Initial	
Depth to Top Packer:4200.00 fDepth to Bottom Packer:fInterval betw een Packers:30.00 fTool Length:58.00 fNumber of Packers:2	t t t	6.75 inc				64000.00 ib
Depth to Bottom Packer: f Interval betw een Packers: 30.00 f Tool Length: 58.00 f Number of Packers: 2	it It	6.75 inc			Final	
Tool Length: 58.00 f Number of Packers: 2	t	6.75 inc				70500,00 lb
Number of Packers; 2		6.75 inc				
	Diameter:	6.75 inc				
Tool Comments:			hes:			
Shut in tool	5.00			4173.00 4178.00		
HMV	5.00			4183,00		
Jars	5.00			4188.00		
Safety Joint	3.00			4191.00		
Packer	4.00			4195.00	28.00	Bottom Of Top Packer
Packer	5.00			4200,00		
Stubb	1.00			4201.00		
Recorder Recorder	0.00	8167	Inside	4201.00		
Perforations	0.00	8370	Outside	4201.00		
Bulinose	24.00 5.00			4225.00		
Total Tool Length:	58.00			4230.00	30.00 Bo	ttom Packers & Anchor

Trilobite Testing, Inc

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RILOBITE	DR	LL STEM TEST	REPOR	 Г	FLI	JID SUMMARY	
Nu The South Statement		IC.		Powers#1			
ESTING	Bidg.3 Wichita	LWaterfront Pkw y. 00 ,Ste.B. a KS 67206 Doug McGinness		15-215-19w Pawnee Ks Job Ticket: 041603 DST#:1 Test Start: 2011.01.21 @ 00:06:12			
	A TIN			lest Start: 2	.017.01.21 @ 00:06	.12	
Mud and Cushion Informa	ation						
Mud Type:Gel ChemMud Weight:9.00 lb/galViscosity:58.00 sec/qWater Loss:9.57 in³Resistivity:0.00 ohm.nSalinity:3800.00 ppmFilter Cake:0.20 inches	n	Cushion Type: Cushion Lengih: Cushion Volume: Gas Cushion Type: Gas Cushion Pressur	e:	ft bbl psig	Oil API: Water Salinity:	deg API 53000 ppm	
Recovery Information							
		Recovery Table					
	Length ft	Description		Volume bbl]		
	875.00 320.00	GCW/w afew o specs 3%g SO&GCMW 2%0 5%g 10%m		10.634	4		
	125.00	GCVM/w o specs 5%g 17%		4.489	7	*	
Total Le	ngth: 1320	.00 ft Total Volume:	16.876 bbl	-	-		
Laborate	id Samples: 0 ory Name: ry Comments: Rv	Num Gas Bombs: Laboratory Locati v .26ohms@ 40 deg	0 on:	Serial#			
Trilobite Testing, Inc	R	vef. No: 041603	·	Printed	: 2011.01.26 @ 19:	23:21 Page 4	

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Temperature (deg F) - 120 - 110 - 100 8 80,-27 8 - 40 20 8 - 20 DST Test Number: 1 .] 6AM 8167 Temperature : 15-21s-19w Pawnee Ks Pressure vs. Time End Shut-In(1) 3AM Time (Hours) Initial Hydro-static dpen †o Flow()) Shut-In() Final Hydro-static . 8167 Pressure : CMX Inc. [] Inside 21 Fri Serial #: 8167 Jan 2011 (pisq) anzearq 2250 2000 1750 1500 ò 500 750 250

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Page 5 Printed: 2011.01.26 @ 19:23:21

Ref. No: 041603

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