# CONFIDENTIAL KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION WELL COMPLETION FORM

Form ACO-1 October 2008

### **WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # 33539 KCC	API No. 15 - 205-27730-0000
Name: Cherokee Wells, LLC	Spot Description: W2-SW-SW
Address 1: P.O. Box 296	. W2 SW SW Son 6 Turn 28 S D 15 T East West
Address 1: 1.0. Box 230  Address 2: 1033 Fillmore CONFIDE	North / South Line of Section
City: Fredonia State: KS Zip: 66736 +	
Contact Person: Emily Lybarger	
Phone: ( 620 ) 378-3650	NE □NW □SE ☑SW
CONTRACTOR: License # 33072	County: Wilson
Name: Well Refined Drilling REC	CEIVEDease Name: Lewis Well #: A-1
Wellsite Geologist: N/A SEP	1 Ann Field Name: Cherokee Basin Coal Gas Area
Purchaser: Southeastern Kansas Pipeline	Producing Formation: Officiowit
Designate Type of Completion:	VIC HERNATION: Ground: 857' est. Kelly Bushing: N/A
New Well Re-Entry Workover	Total Depth: 1280' Plug Back Total Depth: N/A
Oil SWD SIOW	Amount of Surface Pipe Set and Cemented at: 43' Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used?
CM (Coal Bed Methane) Temp. Abd.	If yes, show depth set: Feet
Dry Other(Core, WSW, Expl., Cathodic, etc.)	If Alternate II completion, cement circulated from: bottom casing
If Workover/Re-entry: Old Well Info as follows:	feet depth to: surface w/ 130 sx cmt.
Operator:	Drilling Fluid Management Plan AM IN 1079-09 (Data must be collected from the Reserve Pit)
Well Name:	(Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	Chloride content: ppm Fluid volume: bbls
Deepening Re-perf Conv. to Enhr Conv. to S	
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Docket No.:	
Dual Completion Docket No.:	
Other (SWD or Enhr.?) Docket No.:	Quarter Sec. Twp. S. R. East West
7/2/09         7/7/09         N/A           Spud Date or         Date Reached TD         Completion Date or	County: Docket No.:
Spud Date or Date Reached TD Completion Date or Recompletion Date	County Docket No
Kansas 67202, within 120 days of the spud date, recompletion, workow of side two of this form will be held confidential for a period of 12 month	ed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, er or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information is if requested in writing and submitted with the form (see rule 82-3-107 for confidengist well report shall be attached with this form. ALL CEMENTING TICKETS MUST 111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regare complete and correct to the best of my knowledge.	gulate the oil and gas industry have been fully complied with and the statements herein
Signature: Smily Sybray	KCC Office Use ONLY
Title: Administrative Assistant Date: 9/3/09	Letter of Confidentiality Received
Subscribed and sworn to before me this day of	If Denied, Yes Date:
20 09	Wireline Log Received
Netar Bublis MACAA MAURA A TRAC	CY MILLER Geologist Report Received
Notary Public.	lic - State of Kansas UIC Distribution
Date Commission Expires: My Appt. Expires	12/1/2010)

#### Side Two

Operator Name: Che	erokee Wells, LLC		Lease	Name: L	ewis		_Well #: _A-1	
Sec. 6 Twp. 2			t County	,: Wilso	n			
<b>INSTRUCTIONS:</b> Stime tool open and clarecovery, and flow rat surveyed. Attach final	osed, flowing and shu	ut-in pressures, whe est, along with final o	ther shut-in pres	sure read	hed static level	, hydrostatic press	sures, bottom I	hole temperature, fluid
Drill Stem Tests Take		☐ Yes ☑ N	No .	<b></b> ✓Lo	og Formatio	on (Top), Depth ar	nd Datum	Sample
Samples Sent to Geo	ological Survey	☐ Yes 🗹 N	٧o	Name Driller	e 's Log - Enclos	ed	Тор	Datum
Cores Taken Electric Log Run (Submit Copy)		☐ Yes ☑ N						KCC EP 0 3 2009
List All E. Logs Run:					RECEIV	ED	SI	EP 0 3 2009
	on Log, High R d Density/Neu		closed		SEP 14	2009	CC	NFIDENTIAL
·			SING RECORD		CEUMIC ermediate, produc			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Wei		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	N/A		43'	Class A Cemen	t 50	
Longstring	6 3/4"	4 1/2"	N/A		1269'	Thickset	130	
		ADDITI	ONAL CEMENTI	NG / SQU	EEZE RECORD	)		
Purpose:  Perforate Protect Casing	Depth Top Bottom	Type of Cement #Sa		s Used Type and Perce			Percent Additives	
Plug Back TD Plug Off Zone								
	PERFORATI	ION RECORD - Bridg	e Plugs Set/Type		Acid Fra	acture, Shot, Cemen	t Squeeze Recor	rd
Shots Per Foot		Footage of Each Interv			(A	Amount and Kind of Ma		Depth
N/A	N/A				N/A	· .		N/A
				.,, -				
TUBING RECORD:	Size:	Set At:	Packer A	At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or Er	nhr. Producir	ng Method:	Flowing	g Pump	ing Gas Li	ft Oth	ner (Explain)
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf	Wate	er E	3bls.	Gas-Oil Ratio	Gravity
	ION OF CAS		AACTUODO	COMP.	TION		PROPUCTI	ON INTERVAL.
DISPOSIT	ION OF GAS: d Used on Lease	Open Hole	METHOD OF			ommingled	PRODUCII	ON INTERVAL:
	ubmit ACO-18.)	Other (Spe						

#### Well Refined Drilling Co., Inc.

4230 Douglas Road Thayer, KS 66776 Contractor License # 33072 620-839-5581/ Office; 620-432-6170/Jeff Kephart Cell; 620-839-5582/FAX

KCC SEP 0 3 2009 CONFIDENTIAL RECEIVED SEP 1 4 2009 KCC WICHITA

Rig #:	3		Lic # 33	539	AND REAL PROPERTY.	S6	T28S	R15E
API #:	15-205-	27730-0000			Rio.#/32	Location:		W2,SW,SW
perato	or: Chero	kee Wells, LLC			A THEST OF .	County:		Wilson
	4916	Camp Bowie Blvd			TI DI			
	Fort V	Vorth, TX 76107				GasiTes	sts <b>Table</b>	
Vell #:	A-1	Lease Name:	Lewis		Depth	Inches	Orfice	flow_MCF
ocation:		FSL	Line		305		Trace	
	330	FWL	Line	X.	405		Trace	
pud Date	e:	7/2/2009			505	6	1/2"	15.4
ate Com	pleted:	7/7/2009	TD:	1280'	605	12	1"	89.8
riller:		Louis Heck			705	4	1 1/4"	87.8
asing F		Surface	Product		730		Check S	
lole Siz		12 1/4"		6 3/4"	780	6	1 1/4"	87.8
Casing	Size	8 5/8"			805	7	1 1/4"	116
Veight					855	6	1 1/4"	107
Setting		43'	<u> </u>		905	5	1 1/4"	98.1
Cement	t Type	Portland		•	955		Check S	
acks		Consolidated	<u></u>		980	7	1 1/4"	116
eet of	Casing				1030		Check S	
					1105	Gas	Check S	ame
		3-021-Lewis A-1-C						
" or also	IN THE			Well L	og	Тор		
" Talk	Bottom	Formation		Well L Bottom		Top 799		Formation 25
Тор	Bottom 3	Formation overburden	<b>∎</b> Тор∎	Well L Bottom	OG Formation sand	Тор	<b>∦</b> Bottom	Formation Killime
Top <u>⊌</u> 0	Bottom 3 16	Formation overburden	<b>■</b> Top <b>■</b>	Well L Bottom 510 527	OG Formation sand	Top 799	Bottom∎ 801 802	Formation
Top <u>a</u> 0 3	Bottom 3 16 21	Formation overburden	Top∎ 489 510	Well L Bottom 510 527	Formation sand lime shale	799 801	Bottom∎ 801 802	Formation lime coal shale
Top 0 3 16	Bottom 3 16 21 26	Formation overburden clay gravel	■Top■ 489 510 527	Well L Bottom 510 527 535	Formation sand lime shale	799 801 802	801 802 806 826	Formation lime coal shale
Top₃ 0 3 16 21	Bottom 3 16 21 26 31	Formation overburden clay gravel lime	■Top■ 489 510 527	Well L Bottom 510 527 535 547	og sand lime shale lime	799 801 802 806	801 802 806 826 827 829	Formation  lime coal shale lime shale green shale
Top 3 0 3 16 21 26	Bottom 3 16 21 26 31 79	Formation overburden clay gravel lime shale	489 510 527 535	Well L Bottom 510 527 535 547	Formation sand lime shale lime more water blk shale	799 801 802 806 826	801 802 806 826 827 829 847	Formation  lime coal shale lime shale green shale shale
Top 3 0 3 16 21 26 31	Bottom 3 16 21 26 31 79	Formation overburden clay gravel lime shale lime shale	489 510 527 535	Well L Bottom 510 527 535 547 549 602	Formation sand lime shale lime more water blk shale lime oil show	799 801 802 806 826 827 829	801 802 806 826 827 829 847 851	Formation  lime coal shale lime shale green shale shale sand
Top 0 3 16 21 26 31 79 177 293	Bottom 3 16 21 26 31 79 177 293 308	Formation overburden clay gravel lime shale lime shale lime shale	\$100 \$489 \$110 \$527 \$535 \$547 \$549 \$602	Well L Bottom 510 527 535 547 549 602	Formation sand lime shale lime more water blk shale lime oil show shale	799 801 802 806 826 827 829 847	801 802 806 826 827 829 847 851 853	Formation  lime coal shale lime shale green shale shale sand sandy shale
0 3 16 21 26 31 79 177	Bottom 3 16 21 26 31 79 177 293 308	Formation overburden clay gravel lime shale lime shale lime shale	489 510 527 535 547 549 602 632	Well L Bottom 510 527 535 547 549 602 632 633	Formation sand lime shale lime more water blk shale lime oil show shale coal	799 801 802 806 826 827 829 847 851 853	**Bottom** 801 802 806 826 827 829 847 851 853	Formation  lime coal shale lime shale green shale shale sand sandy shale shale
© 0 3 16 21 26 31 79 177 293 308 310	Bottom 3 16 21 26 31 79 177 293 308 310 322	Formation overburden clay gravel lime shale lime shale lime shale coal shale	\$100 \$489 \$110 \$527 \$535 \$47 \$549 \$602 \$632 \$633	Well L Bottom 510 527 535 547 549 602 632 633 692	Formation sand lime shale lime more water blk shale lime oil show shale coal shale	799 801 802 806 826 827 829 847 851 853	801 802 806 826 827 829 847 851 853 859	Formation  lime coal shale lime shale green shale shale sand sandy shale shale shale coal
Top 0 3 16 21 26 31 79 177 293 308 310 322	Bottom  3  16  21  26  31  79  177  293  308  310  322  351	Formation overburden clay gravel lime shale lime shale lime shale coal	489 510 527 535 547 549 602 632 633 692	Well L Bottom 510 527 535 547 549 602 632 633 692 702	Formation sand lime shale lime more water blk shale lime oil show shale coal shale lime	799 801 802 806 826 827 829 847 851 853 859	**Bottom**	Formation  lime coal shale lime shale green shale shale sand sandy shale shale coal lime
Top 0 3 16 21 26 31 79 177 293 308 310 322 351	Bottom  3 16 21 26 31 79 177 293 308 310 322 351 354	Formation overburden clay gravel lime shale lime shale lime shale shale shale sand sandy shale	489 510 527 535 547 549 602 632 633 692 702	Well L Bottom 510 527 535 547 549 602 632 633 692 702 726	Formation sand lime shale lime more water blk shale lime oil show shale coal shale lime shale lime	799 801 802 806 826 827 829 847 851 853 859 860	**Bottom**	Formation  lime coal shale lime shale green shale shale sand sandy shale shale coal lime blk shale
Top 0 3 16 21 26 31 79 177 293 308 310 322	Bottom  3 16 21 26 31 79 177 293 308 310 322 351 354	Formation overburden clay gravel lime shale lime shale lime shale shale shale sand sandy shale	\$\begin{align*} 489 & 510 & 527 & 535 & 547 & 549 & 602 & 632 & 633 & 692 & 702 & 726 & 726 & \end{align*}	Well L Bottom 510 527 535 547 549 602 632 633 692 702 726 737	Formation sand lime shale lime more water blk shale lime oil show shale coal shale lime shale sand	799 801 802 806 826 827 829 847 851 853 859 860 877	**Bottom**	Formation  lime coal shale lime shale green shale shale sand sandy shale shale coal lime
Top 0 3 16 21 26 31 79 177 293 308 310 322 351	Bottom  3 16 21 26 31 79 177 293 308 310 322 351 354 476	Formation overburden clay gravel lime shale lime shale lime shale shale shale sand sandy shale	\$\begin{align*} 489 \\ 510 \\ 527 \\ 535 \\ 547 \\ 549 \\ 602 \\ 632 \\ 633 \\ 692 \\ 702 \\ 726 \\ 737	510 527 535 547 549 602 632 633 692 702 726 737 739	Formation sand lime shale lime more water blk shale lime oil show shale coal shale lime shale sand shale sand	799 801 802 806 826 827 829 847 851 853 859 860 877 879	801 802 806 826 827 829 847 851 853 859 860 877 879	Formation  lime coal shale lime shale green shale shale sand sandy shale shale coal lime blk shale lime stopped for day
Top 0 3 16 21 26 31 79 177 293 308 310 322 351 354	Bottom  3 16 21 26 31 79 177 293 308 310 322 351 354 476	Formation overburden clay gravel lime shale lime shale lime shale shale coal shale sand sandy shale lime	\$100	Section 510 527 535 547 549 602 632 633 692 726 737 739 740	Formation sand lime shale lime more water blk shale lime oil show shale coal shale lime shale sand shale coal	799 801 802 806 826 827 829 847 851 853 859 860 877 879 880	801 802 806 826 827 829 847 851 853 859 860 877 879	Formation  lime  coal  shale  lime  shale  green shale  shale  sand  sandy shale  shale  coal  lime  blk shale  lime  stopped for day  coal
21 26 31 79 177 293 308 310 322 351 354 410	Bottom  3 16 21 26 31 79 177 293 308 310 322 351 354 476	Formation overburden clay gravel lime shale lime shale lime shale coal shale sand sandy shale lime added water	\$100	Section 10	Formation sand lime shale lime more water blk shale lime oil show shale coal shale lime shale coal shale lime shale coal shale sand shale sand shale coal shale	799 801 802 806 826 827 829 847 851 853 859 860 877 879 880 891	**Bottom**	Formation  lime  coal  shale  lime  shale  green shale  shale  sand  sandy shale  shale  coal  lime  blk shale  lime  stopped for day  coal  shale
27op ≥ 0 3 16 21 26 31 79 177 293 308 310 322 351 354 410 476	Bottom  3 16 21 26 31 79 177 293 308 310 322 351 354 476 478 481 485	Formation overburden clay gravel lime shale lime shale lime shale lime shale lime shale coal shale sand sandy shale lime added water shale bk shale	\$100	Well L Bottom 510 527 535 547 549 602 632 633 692 702 726 737 739 740 747	Formation sand lime shale lime more water blk shale lime oil show shale coal shale lime shale sand shale coal	799 801 802 806 826 827 829 847 851 853 859 860 877 879 880	**Bottom**	Formation  lime coal shale lime shale green shale shale sand sandy shale shale coal lime blk shale lime stopped for day coal

# **KCC** SEP 0 3 2009

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		and the second s				Well#			
<b>■</b> Top <b>■</b>	Bottom	Formation	■Top∎	Bottom	Formation	Тор	<b>∎</b> Bottom]	Formation	
956	957	coal							
957	974	shale							
974	975								
975	995	sand						,	PEOP.
		oil odor							RECEIVED
995	1010				<u> </u>				1 4 2009 C WICHITA
1010	1011								1 4 2009
1011	1041							<b>V</b> 0	~
1041	1042								C WICHITA
1042	1067		ļ						MINIA
1067		blk shale							
1069			ļ						
1070			<u> </u>						
1099									
1100	1166		<u> </u>						
1166			<u> </u>	<u> </u>	<del></del>				
1167		sandy shale	<del> </del>	<u> </u>					
1178			<del> </del>					<u> </u>	
1185			<del> </del>						
1193		shale				<del> </del>			
1194 1207	1207					T			
1207		shale		<u> </u>					
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1226		shale	+						
1228			<del> </del>						
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Notes:

09LG-070709:R3-021:Lewis A-1:CWLLC-CW-249





23429 TICKET NUMBER LOCATION Euce Ka FOREMAN STEVE Mead

PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

#### FIELD TICKET & TREATMENT REPORT CEMENT

701 OF 10	<b>0.</b> 000 10. 001	•		OPINE!				
DATE	CUSTOMER#	WEL	L NAME & NUM	IBER	SECTION	TOWNSHIP	RANGE	COUNTY
7.8.09	2890	Lowis A-1						Wilson
CUSTOMER								
Domesti	ESS ESS	Partners	A Property of the State of the		TRUCK #	DRIVER	TRUCK#	, DRIVER
MAILING ADDR	ESS			]	485	Alan		NOC
4916 0	ama Bawio	514.200			4615	Chris	CF	D U 3 5000
CITY	amp Bawie	STATE	ZIP CODE				0	
FORTWO	.*\	7%	76167	Ì			CO	NFIDENT
JOB TYPE			6 34	 _ HOLE DEPTI	1880'	CASING SIZE & V	VEIGHT 4%	9.54
		DRILL PIPE		TUBING			OTHER #	
SI HODY WEIGH				WATER galls	k	CEMENT LEFT in	CASING 6	
					Jump Play			
							. (~)	26 111.
KEMARNS: 5	arry Wes	ونيهم نيهمنا	up To 4	2 Casing	ZIPOAK	Circulation	<u> </u>	23.705
Fresh wo	Joe Pun	200+	G-S/Y/GS	h. 300/s	Water Sp	acer, 16hz	15 //Ve W	AVer
All XIL	isti Thick	Set Cam	eat w/S	- Ksl-Sea	Lock H. A	7 /36 Pay	d, aras	7 GAL
Puman	Lines Ral	ease Place	a Disa	laca lui	<u>75 886</u>	Lough Wa	ict Fin	a! Pumpley
Pressure 6	os F. B	umo plus	Mod *	. halt	2 min &	Pelense Pheis	ure Flas	Theld.
Good Ce	meni ReTo	utas rose	er face	19/1/1	Stucky To,	P.T.		
		b Complete	Rigde	<u> </u>	•			
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ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401		PUMP CHARGE	870.00	870.00
5406	40	MILEAGE	3,45	138.00
11264	/30sks	Thick Sei Someri		2080.00
4011	6502	Kolseal 5th parisk	.39	253.50
111813	300*	Gelflish	.16	48.00
5407		Tonmikuse Bulk Truck	mx	296.00
ННОН		4% Top Rubber Plug	43.00	43.00
			Leterduz	3725.50
		6.3%	SALES TAX	15274
Ravin 3737	Hug Baenen	∂30363 ••••••••••••••••••••••••••••••••••	ESTIMATED TOTAL DATE 7	3881.24





23402 TICKET NUMBER LOCATION FUREKA FOREMAN RICK CON GOLD

4.12 M

PO Box 884, Chanute, KS 68720 620-431-9210 or 800-467-8676

## FIELD TICKET & TREATMENT REPORT

DATE	CHOTOLIC		CEMEN	IT			
7.2-09	CUSTOMER#	THE TOTAL OF THE		SECTION	TOWNSHIP	RANGE	COUNTY
CUSTOMED		C.W. lewis A	.1				Wilson
$\mathcal{L}$	ameszie En	eray fortners					14011300
MAILING ADDRE	ESS	C 69 E 64 1/62 3	<del></del> [	TRUCK#	DRIVER	TRUCK#	DRIVER
49/	le Cano	Barna a sta am	1	463	Shennen		KCC
CITY		STATE ZIP CODE		441	J.P.		1100
- fret	Lbrth	Tx Two	1 1		<b></b>	S	EP 0 3 2009
JOB TYPE_Suc		HOLE SIZE //"	 	24.04			MEIDENTIAL
CASING DEPTH_		DRILL PIPE	TUBING	98-	CASING SIZE & W	EIGHT RS	<del>MIDENTIAL</del>
SLURRY WEIGH	T_15#	SLURRY VOL	ONIG			OTHER	
DISPLACEMENT	24	DISPLACEMENT PSI	MIX PSI		CEMENT LEFT In C	ASING	
REMARKS: 5	afety most	mar Dia in di			RATE	*	RECEIVED
Cyculate	d pel-wal	ing Rig up to de	wog rig.	Clixed 1	250° gel in	to pit.	- TEOPIAPD
85h" cas			<u></u>	<i>)                                    </i>	A. # //-		SEP 1 4 2009
Casing.	Dixed O	up to 85h" casing	Direk Zi	eculation	/ gel-veter	weshdan	
Displace	L/ 27 81	La Sach color of	MAT 1/2	The CORULE &	27a gal Q 1	len.	KCC WICHIT
surface	Tob Carelo	SKS class A'ce of the short short	a carros	is u/ god	comet retu	ros to	
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ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	7074
54015	1	PUMP CHARGE	CHITPRICE	TOTAL
5406	40	MILEAGE	680.00	680.00
5609	345		3.45	138.00
	383	mise, pemp	188.00	564.00
11045	50 ses	class A coment	10.0	+
1102	_ 75 · *	2% CACLE	12.70	635.00
11180	25	270 91	21_	67.45
			.16	15.20
SYO		ton-nileage bulk tox	1/4	2 % .00
11180	1750#	premium gel		
		7	.16	280.00
				<b></b>
			suptotal	2675.65
in 3737		6.3%	SALES TAX	
#1 <i>0101</i>	M. Q.	ଚିଞ୍ଚ ଚର୍ଚ୍ଚ ।	ESTIMATED	2238 51