CONFIDENTIAL

ORIGINAL KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION WELL COMPLETION

Form ACO-1 October 2008 Form Must Be Typed 12/10/10

WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15 - 205-27715-0000
Name: Cherokee Wells, LLC	Spot Description: W2-SW
Address 1: _P.O. Box 296	W2 _sw Sec. 24 _ Twp. 27 _s. R. 13 _ ▼ East □ West
Address 2: 1033 Fillmore	
City: Fredonia State: KS Zip: 66736 +	Feet from East / West Line of Section
Contact Roman: Emily Lyberger	Footages Calculated from Nearest Outside Section Corner:
Phone: (620) 378-3650	□NE □NW □SE ☑SW
Phone: (620) 378-3650 CONTRACTOR: License # 5675 Name: McPherson Drilling	County: Wilson
Name: McPherson Drilling	Lease Name: H. Eck Well #: A-6
Wellsite Geologist: N/A	Field Name: Cherokee Basin Coal Gas Area
Purchaser: _Southeastern Kansas Pipeline	Producing Formation: Unknown
Designate Type of Completion:	Elevation: Ground: 1019' Kelly Bushing: N/A
New Well Re-EntryWorkover	Total Depth: 1515' Plug Back Total Depth: N/A
OilSWDSIOW	Amount of Surface Pipe Set and Cemented at: 43' Feet
SWD SIOW Gas ENHR SIGW	Multiple Stage Cementing Collar Used? Yes No
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/ 165 sx cmt.
Operator:	Drilling Fluid ⊮anagement Plan
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 SWD	Dewatering method used:
Plug Back:Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Docket No.:	
Dual Completion Docket No.:	Operator Name:
Other (SWD or Enhr.?) Docket No.:	Lease Name: License No.:
11/24/08 11/28/08	QuarterSecTwpS. R East West
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	County: Docket No.:
INSTRUCTIONS: An original and two copies of this form shall be filed with Kansas 67202, within 120 days of the spud date, recompletion, workover or co of side two of this form will be held confidential for a period of 12 months if requiality in excess of 12 months). One copy of all wireline logs and geologist well BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 for	nversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information uested in writing and submitted with the form (see rule 82-3-107 for confident report shall be attached with this form. ALL CEMENTING TICKETS MUST m with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regulate the complete and correct to the best of my knowledge.	
Signature: 10/10/10	KCC Office Use ONLY
Title: Administrative Assistant Date: 12/10/08	Letter of Confidentiality Received
Subscribed and sworn to before me this 10 day of 1000 day	If Denied, Yes Date:
20 <u>08</u>	ARY Wireline Log Received RECEIVED
has I de la militaria PUE	
Date Commission Expires: 12 121/2017 2/21	### DEC 1 2 2008
	KARS REGISTER CONSERVATION DIVISION WICHITA, KS
- 0000	10

Side Two

Operator Name: Cher	okee Wells, LLC			Lease I	Name: _	H. Eck		Well #: _A-6	
Sec. 24 Twp. 27	S. R. <u>13</u>	✓ East			, Wilso		. 1977		
NSTRUCTIONS: Sho me tool open and clos ecovery, and flow rates urveyed. Attach final	sed, flowing and shu s if gas to surface to	it-in press est, along	ures, whether s	hut-in pres	sure read	ched static level	l, hydrostatic pres	ssures, bottom h	nole temperature, fluid
Orill Stem Tests Taken (Attach Additional SI	heets)	Y	es 📝 No		 ✓L	og Formatio	on (Top), Depth a	nd Datum	☐ Sample
Samples Sent to Geolo	ogical Survey	□ Y	es 🗹 No		Nam Drille	e rs Log - Enclos	ed	Тор	Datum
ores Taken lectric Log Run (Submit Copy)	\	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \							KCC
ist All E. Logs Run:								DEC	: 1 0 2003
High Resolution Log, Dual Indu	•	ated De	ensity/Neu	tron				COX	LAITHEOTH
				RECORD	✓ Ne				M4-7979044014
Purpose of String	Size Hole	Siz	ze Casing	Weig	ght	ermediate, produc Setting	Type of	# Sacks	Type and Percent
Surface	Drilled	8 5/8"	t (In O.D.)	20#	/ Ft.	Depth 43'	Portland	Used 8	Additives
Longstring	6 3/4"	4 1/2"		10.5#		1505'	Thickset	165	
			ADDITIONAL	CEMENTI	NG / SQL	JEEZE RECORD)		J
Purpose: —— Perforate —— Protect Casing	Depth Top Bottom	Type of Cement		#Sacks	Used	Used Type and P			
—— Plug Back TD —— Plug Off Zone									
Shots Per Foot			RD - Bridge Plug Each Interval Perf				acture, Shot, Ceme Amount and Kind of N		rd Depth
N/A	N/A					N/A	······································		N/A
								KANS	RECEIVED— SAS CORPORATION COM
									DEC 1 2 2008
TUBING RECORD:	Size:	Set At:		Packer At	t:	Liner Run:	Yes No	0	CONSERVATION DIVISI
Date of First, Resumed P	roduction, SWD or En	hr.	Producing Meth	nod:	Flowing	g 🔲 Pumpi	ing Gas L	ift Othe	er (Explain)
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate		Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION	N OF GAS:		N	METHOD OF	COMPLE	ETION:		PRODUCTION	ON INTERVAL:
Vented Sold	Used on Lease		Open Hole [Perf.		_	mmingled		

McPherson Drilling LLC Drillers Log

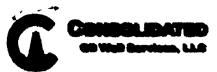
Rig Number: 1	8. 240	T. 27	R. 13E
API No. 15- 205-27715	County:	WILSON	
Elev. 1019	Location:	W2 SW	

Operator. CHEROKEE WELLS LLC **#33539** Address: P.O. BOX 298 FREDONIA KS 66738 Well No: A-6 Lease Name: H. ECK Footage Location: 1320 ft. from the SOUTH Line 660 ft. from the WEST Line Drilling Contractor: McPherson Drilling LLC Spud date: .11/24/2008 Geologist: Date Completed: -11/28/2008 Total Depth: 1515

Casing Record			Rig Time:		
	Surface	Production	1.25	HR(S) GAS TEST	
Size Hole:	11"	6 3/4 ⁿ	1.00	DAY BOOSTER	
Size Casing:	8 5/8"	}	1.50	WATER HAUL TRUCK	
Weight:	20#		0.50	GAL SUPERSWEET	
Setting Depth:	43	CHEROKEE	e a		
Type Cement:	Portland				
Sacks:	8	MCPHERSON	DRILLER:	ANDY COATS	

Gen Teets: 1055	0.00	MCF
1065	0.00	MCF
1250	2.76	MCF
1350	2.76	MCF
1425	2.76	MCF
	EC 102 WFIDE	
Start Injecting	@	

				Wall Log		
Formation	Тор	Stm.	Formation	Тор	8tm.	Formation Top Stm
soit .	0	3	shale	1094	1127	
sand	3	18	lime	1127	1142	
shale	18	23	summit	1142	1150	}
sand	23	47	lime	1150	1158	
shale	47	142	mulky	1156	1160	İ
eand	142	161	lime	1160	1184	
sand shale	161	182	shale	1164	1229	
red shale	182	187	coaí	1229	1231	
shaie	187	342	shale	1231	1317]
lime	342	392	(oil) sand	1317	1335	
shale	392	481	sandy shale	1335	1340	
llme	481	492	shale	1340	1345	
shale	492	5 6 9	coal	1345	1346	(
(wet) lime	569	612	shale	1346	1382	
(wet) shale	612	617	red shale	1382	1396	}
ime	617	647	shale	1396	1409	1
shale	647	879	coal	1409	1410	
ime	67 9	690	sh ale	1410	1420	\$
shale	690	694	wet sand	1420	1429	
lime	694	870	sandy shale	1429	1467	RECEIVED
sand shale	870	921	lime	1467	1474	KANSAS CORPORATION COMMISSION
wet sand	921	1061	sand shale	1474	1482	}
shale	1081	1065	lime	1482	1507	DEC 1 2 2008
pink lime	1065	1094	Mississippi	1507	1615	CONSERVATION DIVISION



CUSTOMER#



WELL NAME & NUMBER

TICKET NUMBER	20451
LOCATION EUC	
ECDEMAN CTALL	4.0

RANGE

COUNTY

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

DATE

FIELD TICKET & TREATMENT REPORT CEMENT

SECTION

TOWNSHIP

		A 4				
//-26-08	\$2870 H.	CK #A-6				Luitano
1	Tic Gners y Pa	rtners	TRUCK#	DRIVER	TRUCK	DANER
MAILING ADDR	RESS		485	Alan		
49160	Camp Bawle SuiT	2 700	441	5.8.		
CITY	STATE	ZIP CODE				
FORT W		76107				
JOB TYPE_	ACTING HOLE SIZE	6 34 HOLE DEP	TH 1315	CASING SIZE &	WEIGHT	10.5
CASING DEPTH	1/505 DRILL PIPE	TUBING			OTHER	
SLURRY WEIGH	HT_23.6 SLURRY VO		i/sk	CEMENT LEFT	n CASING	
DISPLACEMEN	TANKS DISPLACEM	ENT P81 <u>800⁷⁷</u> MIX P81 <u>84</u>	impplie 1300	F RATE		
REMARKS: 5	afry Meeting: Rig	up To 4/6 casing	LUITH DEL	each bead	Mash	20 '
Casing To	Derram Mix	Igo # Gel Flush	5 bbls he	Ter Space	ec les	Le Done
WOTER	Ric up Camer	Thout Break	Cicculati	w. 60's	166 sks 7	Asea
Set Cene	ATMS NOT SEGI BUT	est AT 1711 Page	al Final	Lumaine	Presente	SQ OF
Burg 81	w. 50/300 C	nit & min Roll	ease Pressur	Plus	red G	a-d
Cement	Returns 10 Surfo	cr. 64645 S/4	CONTO Pi	7		KCC -
	ا طه ک	complete Rig	dewn			
					0,50	10203
		Thankson	<u>a</u>			FIDENTIA
ACCOUNT		T			7	
CODE	QUANITY or UNITS	DESCRIPTION	of SERVICES or PF	RODUCT	UNIT PRICE	TOTAL
SNO	1	PUMP CHARGE			226.00	97600
5406	N	MILEAGE			0	0
1186 A	166565	ThickerSet			1209	250600
1110A	\$25 [#]	Kaliseal S	Par/sk		.4.7	346.50
					<u> </u>	
5407A	9.0 Tons	40 miles But	KTruck		1.20	472.00
					ļ	
HHOM	1	4's Rubber	Plus	- wow.	45.00	45.00
<u> </u>						
				RECEIVED		
		<u> </u>	KANSAS CO	REPORATION COMMI	SBION	
	<u> </u>			20 1 7 9670 0	<u> </u>	~ ~ ~
				EC 1 Z 2008	 	
	 		COX	SERVATION	 	
			3011	15 84 .	1 1 1 1 1 1 1 1 1 1	Lauren = -
				·····		466360
Ravtn 9737	<u> </u>	<u>~~</u>	اللار		SALES TAX	
	A -	<i>∂∂.</i> //	r 41		TOTAL	4754.89
AUTHORIZTION	Called by Tyles	TITLE Co	. R 20.		DATE	