

## KANSAS CORPORATION COMMISSION GIVEN GIVEN A LOUIS & GAS CONSERVATION DIVISION

September 1999 Form Must Be Typed

CONSERVATION DIVISION WICHITA, KS

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

Operator: License # 33539	API No. 15 - 205-27634-0000
Name: Cherokee Wells, LLC	County: Wilson
Address: P.O. Box 296	S2 _N2 _ NW _ NW Sec. 24 _ Twp. 27 _ S. R. 14 _ V East _ West
City/State/Zip: Fredonia, KS 66736	500 feet from S (N) (circle one) Line of Section
Purchaser: Southeastern Kansas Pipeline -	660 feet from E (W) (circle one) Line of Section
Operator Contact Person: Emily Lybarger	Footages Calculated from Nearest Outside Section Corner:
Phone: (620 ) 378-3650	(circle one) NE SE (NW) SW
Contractor: Name: McPherson Drilling.	Lease Name: Duckworth Well #: A-5
, ,	Field Name: Cherokee Basin Coal Gas Area
License: 5675	Producing Formation: Unknown
Wellsite Geologist: N/A	Elevation: Ground: WAS77 Kelly Bushing: N/A
Designate Type of Completion: CONFIDENTIAL	Total Depth: 380° Plug Back Total Depth: N/A
New Well Re-Entry Workover NUV _2 5 2008 SIOW Temp. Abd.	
•	Amount of Surface Pipe Set and Cemented at 40' 2" Feet
Gas ENHR SIGW KCC	Multiple Stage Cementing Collar Used?
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFeet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from surface
Operator:	feet depth to bottom casing w/ 150 sx cmt.
Well Name:	Drilling Fluid Management Plan AH TH NY 02509
Original Comp. Date: Original Total Depth:	(Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride contentppm Fluid volumebbls
Plug BackPlug Back Total Depth	Dewatering method used
Commingled Docket No	Location of fluid disposal if hauled offsite:
Dual Completion Docket No	
Other (SWD or Enhr.?) Docket No	Operator Name:
10/30/08 11/3/08	Lease Name: License No.:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Recompletion Date Recompletion Date	County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, worko Information of side two of this form will be held confidential for a period of	th the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, wer or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. If 12 months if requested in writing and submitted with the form (see rule 82-3-gs and geologist well report shall be attached with this form. ALL CEMENTING Is. Submit CP-111 form with all temporarily abandoned wells.
	ulate the oil and gas industry have been fully complied with and the statements
herein are complete and correct to the best of my knowledge.	
Signature: AMWW Awdu	KCC Office Use ONLY
Administrative Assistant 11/21/09 -3315538	Letter of Confidentiality Received
OI Davido State	Letter of Confidentiality Received
Subscribed and sworn to before me this A day of NOT	ARY Wireline Log Received
20 <u>08</u> T PUE	PECEIVED
Notary Public: Thin Subway My Apr	DIL Exp.  UIC Distribution  Geologist Report Received KANSAS CORPORATION COMMIS
TOURS OF THE	DEC 0 1 2008
Date Commission Expires:	KAN CITET
Thum,	CONSERVATION DIVISION WICHITA, KS

perator Name: Che	rokee Wells, LLC		Lease	Name:_	Duckworth		Well #: _A-5	
•	7S. R. <u>14</u>			Wilson			<del></del>	
sted, time tool oper mperature, fluid red	n and closed, flowing covery, and flow rate	and base of formations of gand shut-in pressures if gas to surface test, inal geological well site	, whether sh along with fi	ut-in pre	ssure reached	l static level, hydr	ostatic pressure	s, bottom hole
rill Stem Tests Take		Yes V No		<b>V</b> L	og Format	tion (Top), Depth	and Datum	Sample
amples Sent to Geo		Nam Drille	e rs Log - Enclos	sed	Тор	Datum		
ores Taken		☐ Yes 🗸 No			J			
ectric Log Run (Submit Copy)		✓ Yes   ☐ No				CONF	IDENTIA	<b>L</b>
st All E. Logs Run:						NOV	<b>2 5</b> 2008	
High Resolution Log, Dual Indu	•	ted Density/Neu	itron				Kec	
		CASING Report all strings set	G RECORD	✓ Ne	_	ction, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weig Lbs.	ght	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	11"	8 5/8"			40' 2"	Portland	N/A	
Longstring	6 3/4"	4 1/2"	10.5#		1370'	Thickset	150	
		ADDITIONA	AL CEMENTII	NG / SQL	JEEZE RECOR	rD .		
Purpose: Perforate	Depth Top Bottom	Type of Cement	s Used Type and Percent Additives					
Protect Casing Plug Back TD Plug Off Zone	CAT DOMESTICS TO SEC						- <del>-</del>	
Shots Per Foot		ION RECORD - Bridge PI				acture, Shot, Ceme		
<del>, ,,,,, , ,</del>	<u> </u>	Footage of Each Interval P	erforated		· · · · · · · · · · · · · · · · · · ·	Amount and Kind of N	Material Used)	Depth
N/A	N/A				N/A			N/A
							KAN	RECEIVED SAS CORPORATION COMM
***************************************								DEC 0 1 2008
								CONSERVATION DIVISION
TUBING RECORD	Size	Set At	Packer A	At	Liner Run	Yes N	0	WICHITA, KS
Date of First, Resume	rd Production, SWD or f	Enhr. Producing M	ethod [	Flowin	g Pump	ping Gas L	ift Othe	er (Explain)
Estimated Production Per 24 Hours	Oil	Bbis. Gas	Mcf	Wat	er	Bbls.	Gas-Oil Ratio	Gravity
Disposition of Gas	METHOD OF	COMPLETION			Production Inte	erval		
Vented Sold	Used on Lease	Open Hole		. 📋	Dually Comp.	Commingled		

## McPherson Drilling LLC Drillers Log

 Rig Number:
 3
 S. 24
 T. 27
 R. 14E

 API No.
 15 205-27634
 County:
 WILSON

 Elev.
 877
 Location:
 S2 N2 NW NW

Operator: CHEROKEE WELLS LLC #33539 Address: P.O. BOX 296 FREDONIA KS 66738 Well No: A-5 Lease Name: **DUCKWORTH** Footage Location: 500 ft. from the NORTH Line 660 ft. from the WEST Line Drilling Contractor: McPherson Drilling LLC Spud date: .10/30/2008 Geologist: Date Completed: Total Depth: 1380 .11/03/2008

Casing Record			Rig Time:				
	Surface	Production	2.75	HR(S) GAS TEST	1		
Size Hole:	11"	6 3/4"	1.00	DAY BOOSTER	N		
Size Casing:	8 5/8"		1.50	WATER HAUL TRUCK	l		
Weight:	20#				l		
Setting Depth:	40'2"	CHEROKEE			1		
Type Cement:	Portland				1		
Sacks:		CONSOLIDATED	DRILLER:	DEVIN WINDSOR			

Gas Tests:		-							
468	0.00	MCF							
555	0.00	MCF							
585	2.76	MCF							
659	8.74	MCF							
878	2.76	MCF							
890	8.74	MCF							
916	8.59	MCF							
948	9.18	MCF							
964	12.1	MCF							
1052	2.76	MCF							
1380	2.76	MCF							
Comments:	Comments:								
CONF	IDEN	<b>TIAL</b>							

CONFIDENTIAL
NOV 2 5 2008
VCC
Start injecting @CC

Well Log									
Formation	Тор	Btm.	Formation	Тор	Btm.	Formation	Тор	Btm.	
clay	0	17	shale	670	725	sand	1071	1077	
shale	17	40	lime	725	748	shale	1077	1169	
lime	40	43	shale	748	770	lime	1169	1174	
shale	43 97	97	lime	770	778	shale	1174	1330	
lime	97	107	sand	, 778	793	Mississippi	1330	1380	
shale	107	125	sandy shale	793	806		**************************************		
lime	125	161	shale	806	854				
shale	161	239	lime	854	868				
lime	239	267	coal	868	870				
shale	267	317	lime	870	887				
lime	317	465	coal	887	889				
black shale	465	468	lime	889	894				
lime	468	549	black shale	894	914		D=0		
black shale	549	553	sandy shale	914	919	KANSA	RECEINAS CORPORATIONS		
lime	553	557	shale	919	928		. •		
shale	557	575	lime	928	940		DEC 0 1	2008	
sand	575	581	black shale	940	946		CONSERVATION	I San danimi.	
coal	581	583	shale	946	950	· ·	WICHITA	NOIVISION KS	
lime	583	609	lime	950	956				
shale	609	616	black shale	956	960				
lime	616	655	shale	960	1045				
black shale	655	658	coal	1045	1048				
shale	658	668	shale	1048	1057	Note: A lot of	water @ 23	feet.	
lime	668	670	sandy shale	1057	1071	No river grave	l		

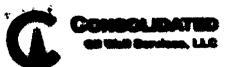
Drillers Log

McPherson Drilling LLC

	12.55 (16.75 (16.75 (16.75 (16.75 (16.75 (16.75 (16.75 (16.75 (16.75 (16.75 (16.75 (16.75 (16.75 (16.75 (16.75	- NO. 20. A.
Rig Number: 3	S. Q 7 11 27 R. 14	Gas Tests:
API No. 15-205 27634	County: いいらう	468-0
Elev. 87	Location: Fredoria	5 5 C
		585 - 200 276
Operator: < horoxan masells	LLC	1059 - 8 74
Address: p.o. Rox 296	N.	878- 2.76
		390 - 3.74
Well No: A-5	Lease Name: Duckwath	916.859
Footage Location:	500 ft. from the (N) (S) Line	948-9.18
	(a) ft. from the (E) (E) Line	5/04-121
Drilling Contractor: McPherso	n Drilling LLC	1052-2.76
Spud date: 10/30/68 // 3	congist:	1380-274
Date Completed: 1/13/08	Total Depth: /380	
and the second s		
Casing Record	Rig Time:	
Surface Production		PARTICIPENTIAL
Size Hole: // (e3/4	1/2 water Truck	CONFIDENTIAL
Size Casing: 85/8	2.15 Ans 165t	NOV 2 5 2008
Weight: 80年		
Setting Depth: 40'2		KCC
Type Cement: Rrt	4 1	374 Reliand Down Hole Homon
Sacks:   Consilidated		
Alot of wester @	23' No River Gravel	

	1.4				Well Log	)					
ormation .	Top	Btm.		Formation	Тор	Btm.		Formation	Тор	Btm.	
Clay	0	17	×	Shale	.670	725		Seach	1071	1077	
shalle	1.7	40		Line	725	2087	48	Shall	1017	1169	
Line	40	43	·	Shale	800748	לאס	3	ine since	116	1174	
shale	43	97		Tine	770	778		Shale	1174	1330	
Lone.	97	107		Sond .	<b>5</b> 778	793	ì	Miss	1830	1580	
hale .	107	125		Sondy Shale	793	806					
ine	125	ital		State	806	254			er (* Elektris) S		
shalv	166	এঃগ		Line	854	868				1.	
Line	व्यव	260	43	Coch	868	870					
shur	ale ?	3/7		Une	870	887					
ine	317	465		Corl	887	889	8.		1		
SIV Shale	465	468		line	885	દુધ				A S	
Silvini	4100	549		BIKShalo	४९५	914	3	Sec.	5 16		
11 Shortel	549	553		Sand Shall	914.	919	]		RECEIVE		
ine	553	75 7 ×	7	Frade	919	928	}	KANSAS	ORBORATION	COMMISSI	
have	557	575		Lime.	728	740	A Sile	Acres 1		1	
Sand	515	581 .		1811 Shale	940	946			EC 0 1 2	UUS	
Coal	581	583		Shall	946	950		60	SERVATION I	VISiO	
Line	583	609		Line	950	956°			WICHITA K		
Shale	609	(016°	* .***	BIK Shore	956	Fileo		AND THE STORY	<b>62</b>	di Sha	
ime	lello	655		Marle	960	1645			***	AND A STATE OF	
SIK Shall	653	658		governo Coa		1048					
hali	1.056	(268		Shale	1048	1057			<b>美</b> 斯 大 九 二	6	
ine	608	leso	1	Sarioly	1057	1071	1	2000		*	

See Mathe





TICKET NUM	BER 20410
LOCATION_	Euceta
FORFMAN	Tou Ctrietter

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

## FIELD TICKET & TREATMENT REPORT

620-431-9210 c	or 800-467-8676			CEMI					
DATE	CUSTOMER#	WELL	NAME & NUM	BER	S	ECTION	TOWNSHIP	RANGE	COUNTY
11-07-08	2890	Duckwar	th A-5	·					Wiles
CUSTOMER	w. E	A	- •		T	RUCK#	DRIVER	TRUCKS	DAWER
MAILING ADDRE	tic Energies	gy factives	J	1	<u> </u>	20	cliff	7.7	
_		vie Suite	700	1		141	Phillip		
4916 CITY	Camp Ko	STATE	ZIP CODE	1		· · /			And the state of t
Ft. W	orth.	TX	76107						
JOB TYPE		<u> </u>	63/40	THOLE DE	PTH	380'	CASING SIZE & W	EIGHT 44.	10.4
CASING DEPTH		DRILL PIPE		_ _TUBING_				OTHER	
SLURRY WEIGH	K	SLURRY VOL	4581	WATER (		8	CEMENT LEFT in	CASING <u>@</u>	designate adjustment and the contraction
DISPLACEMENT	21.884	DISPLACEMENT	PSI 600	MIX PSI_	1100B	pfy	RATE		and the state of t
REMARKS:	a fety Mee	trues Rig	w to	454	<u>Asing</u>	. Bre	ck Crawleta	_ # 6484	d Avon
40' to	4189		Rup 6.		e 1- Fl		ORLI water		//4/
Dyc ma	Kr. Mi.			Thick	Set_	Como		BEE	<u>/ e</u>
13.4 0 /00	1. week		hop 4	lines.			Ply. Acopt		21.884
hato.	Finel	Anpy	Practive		PIT	Rup	Phy TO	100	trait_
204	felore	Archive.	Flor	et H	e K	God	Canad	to see	
7861	shy t	c Pit.			<del></del> -				
	<i></i>	7	35 Carpl	of s					gianagara, Andrick Start in 1994 - Andrick Called Control
					C(	NFID	ENTIAL		manufacture de la company
ACCOUNT	<del>                                     </del>					viČES\or2	£_202¢	منتشب مينيو	TOTAL
CODE	QUANIT	f or UNITS	D:	ESCRIPTIC	IN of SER	viCES <sup>v</sup> or4Pl	KODWØJ	UNIT PRICE	TOTAL
5401	1		PUMP CHAR	GE		KO	<u> </u>	94600	925.W
5406	4	0	MILEAGE					ME	N/c
					-			4==	200-
1126A	157	os /cr	Thick	- Set	Come			/7.40	2550.00
11104	7.50	*	Kol-54	re/ 5	de	CON	FIDENTIAL	.42*	\$15.00
					<u></u> -				
SYOTA	8.2	5	Jan 1	nileg	<u> </u>	JVI	OV 25 2008	1.20	376.00
				· · · · · · · · · · · · · · · · · · ·			KOC	<b></b>	
1118A	30	20 #	Ge/-1	THE			1 10/100	./7	5/.00
4404	1		457	700	Rubba	Phy		465.000	45.00
							RECEIVED ORPORATION COMMISS	SION	ingganggang ing type (tour time minimized distribution)
							OKPORA		
							DEC 0 1 2008	<u> </u>	
							Direc .	×	
					<del>, 12</del>		CONSERVATION DIVISION WICHITA, KS	<u> </u>	
				The	VZ,		Minn		
				<u> </u>				SH MA	4212.00
								SALES TAX	186.54
Ravin 9737				අදා	1331			TOTAL	4468.54
	. 11 4	1 71		_	(	11		DATE	