KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION WELL COMPLETION

Form ACO-1
October 2008
SE
| 2|0|0

WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33539	API No. 15 - 205-27705-0000
Name: Cherokee Wells, LLC	Spot Description: S2-SW-SW
Address 1: P.O. Box 296	S2 _sw _sw Sec. <u>13 _ Twp. 29 _s. R. 13 _ </u> East _ West
Address 2: 1033 Fillmore	330 Feet from North / South Line of Section
City: Fredonia State: KS Zip: 66736 +	
Contact Person: Emily Lybarger	Footages Calculated from Nearest Outside Section Corner:
Phone: (620_) 378-3650	□ NE □ NW □ SE ☑ SW
CONTRACTOR: License #_33072	County: Wilson
Name: Well Refined Drilling DEC 1 0 2008	Lease Name: C. Spohn Well #: A-1
Wellsite Geologist: N/A Purchaser: Southeastern Kansas Pipeline CONFIDENT	Producing Formation: Unknown
	Elevation: Ground: 949' Kelly Bushing: N/A
Designate Type of Completion:	Total Depth: Plug Back Total Depth: N/A
New Well Re-EntryWorkover	Amount of Surface Pipe Set and Cemented at: 42' 8" Feet
Oil SIOW	1
Gas SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
CM (Coal Bed Methane) Temp. Abd Dry Other	If yes, show depth set: Feet
(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/ 160 sx cmt.
Operator:	Drilling Fluid Management 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.:
12/1/08 12/3/08	Quarter Sec TwpS. R East West
Spud Date or Recompletion Date Date Reached TD Recompletion Date Completion Date or Recompletion Date	County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, workover or of side two of this form will be held confidential for a period of 12 months if re	th the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information equested in writing and submitted with the form (see rule 82-3-107 for confidence) report shall be attached with this form. ALL CEMENTING TICKETS MUST form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regulate are complete and prect to the best of my knowledge.	the oil and gas industry have been fully complied with and the statements herein
Signature: Shanner Shull	KCC Office Use ONLY
Title: Administrative Assistant Date: 12/10/08	LYB
Subscribed and sworn to before me this day of Described	If Denied, Yes Date:
÷ in St. NO	
	IBLIC RECEIVED Geologist Report Received NSAS CORPORATION COMMISS
	Wireline Log Received PECEIVED Geologist Report Received RECEIVED UIC Distribution DEC 1 2 2008

Side Two

Operator Name: Che	erokee Wells, LLC			Lease N	Name: _	C. Spohn		Well #: A-1	<u>.:</u>	
Sec. <u>13</u> Twp. <u>2</u>	9 S. R. 13	✓ East	West	County:	Wilso	on				
INSTRUCTIONS: Statement of the statement	now important tops ar osed, flowing and shu es if gas to surface to al geological well site	nd base of ut-in pressu est, along v	formations pen ıres, whether s	hut-in press	sure read	ched static leve	l, hydrostatic p	pressures, bottom h	iole tempera	ature, fluid
Drill Stem Tests Taken					V Lo	og Formati	on (Top), Dept	h and Datum	Datum Sample	
					Name Drillers Log - Enclosed			Тор	Top Datum	
Cores Taken Electric Log Run (Submit Copy)	\	V						nr.	KCC 1 0 2008	
List All E. Logs Run:								UEL	1 0 2008	}
High Resolut Log, Dual Inc	ion Compensa duction Log	ated De	ensity/Neu	tron				CONF	IDENT	IAL
		Repo		RECORD conductor, su	✓ Ne	w Used	tion, etc.			
Purpose of String	Size Hole Drilled	Siz	re Casing t (In O.D.)	Weig Lbs./	ght	Setting Depth	Type of Cemen			d Percent litives
Surface	12 1/4"	8 5/8"		20#		42' 8"	Portland	10		
Longstring	6 3/4"	4 1/2"		10.5#		1470'	Thickset	160		
		<u> </u>							<u> </u>	
		Τ	ADDITIONAL	CEMENTIN	NG / SQL	JEEZE RECORI)	.,		
Purpose: —— Perforate —— Protect Casing	Depth Top Bottom	Туре	Type of Cement		Used		Туре	and Percent Additives		
Plug Back TD Plug Off Zone										
Shots Per Foot			RD - Bridge Plug					ement Squeeze Recor	d	Depth
N/A	N/A	Footage of	Each Interval Per	torated		N/A	Amount and Kind	or waterial Oseu)	1	V/A
								8	ECEIVE	
				······································				KANSAS COR	PORATION	COMMISSIO:
								DE	C 1 2 20	0880
TUBING RECORD:	Size:	Set At:		Packer At	t:	Liner Run:	Yes [No CONSE	RVATION DIV VICHITA, KS	'ISION
Date of First, Resumed	d Production, SWD or En	nhr.	Producing Met	hod:	Flowing	g Pump	oing 🔲 G		er (Explain)	
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat	er	Bbls.	Gas-Oil Ratio		Gravity
DISPOSIT	ION OF GAS:		<u> </u>	METHOD OF	COMPLE	ETION:		PRODUCTION	ON INTERVA	
Vented Sol	_		_	Perf.		_	ommingled			
(If vented, Su	ıbmit ACO-18.)		Other (Specify) _							

Well Refined Drilling Co., Inc.

3

ř

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

KCC DEC 1 0 2008 CONFIDENTIAL

	2	 ********************************	Lic # 33	520	VER	S13	T29S	R13E	1
Rig #:	3 45 205 1		LIC # 33	JJ5		Location:	1230	S2,SW,SW	1
	L	27705-0000			Kig#5				1
Operato		kee Wells, LLC			Zan Maria	County:		Wilson	1
		Camp Bowie Blvd						7	
	Fort Worth, TX 76107					Gas Tes		0. 1405	4
Well #:		Lease Name:	C Spohn		Depth	Inches	Orfice	flow - MCF	4
Location:		FSL	Line		525		No Blow	F 05	1
		FWL	Line		705	2	3/8"	5.05	-
	Spud Date: 12/1/2008		730		Check S		4		
Date Con	npleted:	12/3/2008	טון:	1480'	755 905	Gas Check Same Gas Check Same			1
Driller:		Joe Chaloupek	Dec des				3/8"	7.98	┪
Casing F		Surface	Product		955 980	5 10	3/8"	11.3	1
Hole Siz		12 1/4"		6 3/4"	1030		Check S		1
Casing		8 5/8"			1055		Check S		1
Weight		20# 42' 8"			1105		Check S		1
Setting		Portland			1155	Jas	No Blow		1
Cemen Sacks	стуре	10	 		1180	1	No Blow		1
	Casing	10			1230	-	No Blow		1
i eet oi	Casing				1405		No Blow		1
					1430		No Blow		1
				-					1
									1
	· · · · · · · · · · · · · · · · · · ·								1
0011 11									
UOLL- 14	20308-R3	3-075-C Spohn A-1	-CWLLC	-CW-21	7				1
UOLL-12	20308-R	3-075-C Spohn A-1	-CWLLC						
		3-075-C Spohn A-1 Formation		Well L Bottom		Тор	Bottom	Formation	
Тор	Bottom	Formation	Тор	Well L Bottom	Og Formation	. Top			
	Bottom 1	Formation overburden		Well L Bottom	O g Formation shale			sand	
Top 0	Bottom 1 5	Formation	Top 431	Well L Bottom 435 437 472	Formation shale lime shale	698 711 712	711 712 714	sand coal shale	
Top 0	Bottom 1 5 1 20	Formation overburden clay sand lime	Top 431 435	Well L Bottom 435 437 472 478	Formation shale lime shale lime	698 711 712 714	711 712 714 728	sand coal shale lime	
Top 0 1 5 14 20	Bottom 1 5 1 4 20 6 60	Formation overburden clay sand lime sand	Top 431 435 437 472 478	Well L Bottom 435 437 472 478 484	Formation shale lime shale lime shale	698 711 712 714 728	711 712 714 728 732	sand coal shate lime shale	
Top 0 1 5 14 20 60	Bottom 1 5 14 20 60 70	Formation overburden clay sand lime sand sand	Top 431 435 437 472 478 484	Well L Bottom 435 437 472 478 484 484	Formation shale lime shale lime shale lime shale	698 711 712 714 728 732	711 712 714 728 732 740	sand coal shale lime shale lime	
Top 0 1 5 14 20 60 70	Bottom 1 5 1 20 60 70 128	Formation overburden clay sand lime sand sand sand	Top 431 435 437 472 478 484 484	Well L Bottom 435 437 472 478 484 487 491	Formation shale lime shale lime shale lime shale lime shale	698 711 712 714 728 732 740	711 712 714 728 732 740 745	sand coal shale lime shale lime shale	
Top 0 1 5 14 20 60 70 128	Bottom 1 5 14 20 60 70 128 290	Formation overburden clay sand lime sand sand sand sand shale	Top 431 435 437 472 478 484 487 491	Well L Bottom 435 437 472 478 484 487 491 500	Formation shale lime shale lime shale lime shale lime shale shale	698 711 712 714 728 732 740 745	711 712 714 728 732 740 745	sand coal shale lime shale lime shale blk shale	
Top 0 1 1 5 5 1 4 4 20 6 6 0 7 0 1 2 8 2 9 0	Bottom 1 5 14 20 60 70 128 290 292	Formation overburden clay sand lime sand sand sand sand shale blk shale	Top 431 435 437 472 478 484 487 491 500	Well L Bottom 435 437 472 478 484 487 491 500 510	Formation shale lime shale lime shale lime shale shale shale sand shale	698 711 712 714 728 732 740 745	711 712 714 728 732 740 745 747 806	sand coal shale lime shale lime shale lime shale blk shale lime	
Top 0 1 1 5 5 1 4 4 20 6 6 0 7 2 8 2 9 0 2 9 2 9 2	Bottom 1 5 14 20 60 70 128 290 292 314	Formation overburden clay sand lime sand sand sand sand shale blk shale shale	Top 431 435 437 472 478 484 487 491 500 510	Well L Bottom 435 437 472 478 484 487 491 500 510	Formation shale lime shale lime shale lime shale shale shale sand shale swand	698 711 712 714 728 732 740 745 747 806	711 712 714 728 732 740 745 747 806 812	sand coal shale lime shale lime shale lime shale blk shale lime shale	
Top 0 1 1 5 5 1 4 4 20 60 70 1 28 290 292 314	Bottom 1 5 14 20 60 70 128 290 292 314 318	Formation overburden clay sand lime sand sand sand shale blk shale shale lime	Top 431 435 437 472 478 484 487 491 500 510	Well L Bottom 435 437 472 478 484 487 491 500 510 524 525	Formation shale lime shale lime shale lime shale shale shale sand shale swand coal	698 711 712 714 728 732 740 745 747 806 812	711 712 714 728 732 740 745 747 806 812 814	sand coal shale lime shale lime shale lime shale blk shale lime shale lime	
Top 0 1 5 14 20 60 70 128 290 292 314 318	Bottom 1 5 14 20 60 70 128 290 292 314 318 369	Formation overburden clay sand lime sand sand sand shale blk shale shale lime shale	Top 431 435 437 472 478 484 487 491 500 510 524 525	Well L Bottom 435 437 472 478 484 487 491 500 510 524 525 547	Formation shale lime shale lime shale lime shale shale shale sand shale sand shale swand coal	698 711 712 714 728 732 740 745 747 806 812 814	711 712 714 728 732 740 745 747 806 812 814	sand coal shate lime shale lime shale blk shale lime shale lime shale lime shale	
Top 0 11 55 144 200 600 70 128 290 292 314 318 369	Bottom 1 5 14 20 60 70 128 290 292 314 318 369 381	Formation overburden clay sand lime sand sand sand shale blk shale lime shale shale shale shale shale	Top 431 435 437 472 478 484 487 491 500 510 524 525	Well L Bottom 435 437 472 478 484 487 491 500 510 524 525 547 549	Formation shale lime shale lime shale lime shale shale shale sand shale swand coal sand lime	698 711 712 714 728 732 740 745 747 806 812 814	711 712 714 728 732 740 745 747 806 812 814 852	sand coal shate lime shale lime shate blk shale lime shale lime shale lime shale lime shale	
Top 0 11 55 144 200 600 70 128 290 292 314 318 369 381	Bottom 1 5 14 20 60 70 128 290 292 314 318 369 381 386	Formation overburden clay sand lime sand sand sand shale bik shale shale lime shale sand sand	Top 431 435 437 472 478 484 487 491 500 510 524 525 547	Well L Bottom 435 437 472 478 484 487 491 500 510 524 525 547 549	Formation shale lime shale lime shale lime shale lime shale shale sand shale swand coal sand lime shale	698 711 712 714 728 732 740 745 747 806 812 814 852	711 712 714 728 732 740 745 747 806 812 814 852 872	sand coal shale lime shale lime shale blk shale lime shale lime shale lime shale lime shale	
Top 0 11 55 144 200 600 70 128 290 292 314 318 369 381 386	Bottom 1 5 14 20 60 70 128 290 292 314 318 369 381 386 402	Formation overburden clay sand lime sand sand sand shale blk shale shale lime shale sand sand	Top 431 435 437 472 478 484 487 491 500 510 524 525 547 549	Well L Bottom 435 437 472 478 484 487 491 500 510 524 525 547 549 566	Formation shale lime shale lime shale lime shale shale sand shale swand coal sand lime shale	698 711 712 714 728 732 740 745 747 806 812 814 852 872	711 712 714 728 732 740 745 747 806 812 814 852 872 875	sand coal shale lime shale lime shale blk shale lime shale lime shale lime shale lime shale lime shale lime	
Top 0 1 1 5 5 1 4 4 20 6 6 0 7 0 1 2 8 2 9 0 2 9 2 3 1 4 3 1 8 3 6 9 3 8 1 3 8 6 4 0 2	Bottom 1 5 14 20 60 70 128 290 292 314 318 369 381 386 402 416	Formation overburden clay sand lime sand sand sand shale blk shale shale lime shale sand sand	Top 431 435 437 472 478 484 487 491 500 510 524 525 547 549 566 582	Well L Bottom 435 437 472 478 484 487 491 500 510 524 525 547 549 566 682	Formation shale lime shale lime shale lime shale shale sand shale swand coal sand lime shale lime	698 711 712 714 728 732 740 745 747 806 812 814 852 872 875	711 712 714 728 732 740 745 747 806 812 814 852 875 876	sand coal shale lime shale	
Top 0 11 55 144 200 600 70 128 290 292 314 318 369 381 386 402 416	Bottom 1 5 14 20 60 70 128 290 292 314 318 369 381 386 402 416 427	Formation overburden clay sand lime sand sand sand shale blk shale shale lime shale lime shale sime shale sime shale sime shale lime shale lime	Top 431 435 437 472 478 484 487 491 500 510 524 525 547 549 566 582 682	Well L Bottom 435 437 472 478 484 487 491 500 510 524 525 547 549 566 682	Formation shale lime shale lime shale lime shale shale sand shale swand coal sand lime shale lime	698 711 712 714 728 732 740 745 747 806 812 814 852 875 876	711 712 714 728 732 740 745 747 806 812 814 852 872 875 876	sand coal shale lime shale lime shale blk shale lime	
Top 0 1 1 5 5 1 4 4 20 6 6 0 7 0 1 2 8 2 9 0 2 9 2 3 1 4 3 1 8 3 6 9 3 8 1 3 8 6 4 0 2	Bottom 1 5 14 20 60 70 128 290 292 314 318 369 381 386 402 416 427 429	Formation overburden clay sand lime sand sand sand shale blk shale shale lime shale sand sand	Top 431 435 437 472 478 484 487 491 500 510 524 525 547 549 566 582	Well L Bottom 435 437 472 478 484 487 491 500 510 524 525 547 549 566 682	Formation shale lime shale lime shale lime shale shale sand shale swand coal sand lime shale lime shale	698 711 712 714 728 732 740 745 747 806 812 814 852 872 875	711 712 714 728 732 740 745 747 806 812 814 852 872 875 876 883	sand coal shale lime shale lime shale blk shale lime shale	

Operator:	Cherokee	Wells LLC	Lease Na		C Spohn	Well#	A-1	page 2	
Top	Bottom	Formation	Тор	Bottom	Formation	Тор	Bottom	Formation	
903	940	sand	1272	1290					ł
940	941	coal	1290	1312					ì
941	979	sand	1312	1390					1
979	980	coal	1390	1391	coal	1			1
980	996	shale	1391	1411	1000	J			ì
996	1008	lime	1411	1412		<u> </u>			ı
1008		1	1412	1417					3/3
1009			1417	1423				N'	CC
1031		blk shale	1423	1480	lime			DEC 1	2008
1033			1480		Total Depth				
1034								CONFI	JENTIAL
1037	1041							00111 11	, amo 1 w 7 "
1041	1049								į
1049									l
1065									
1082						ļ			
1083		blk shale				1			
1085									
1090									
1099		blk shale							
1101									
1102									
1108		shale							
1116						1			
1128		shale				ļ			i
1137		shale							ı
1172						<u> </u>			
1174		sand							
1187		shale							i
1208									
1210		shale							
1216									
1236		shale			,				
1245		sand					<u> </u>		
1260	1272	laminated sand							

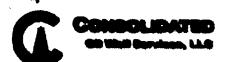
Notes:

08LL-120308-R3-075-C Spohn A-1-CWLLC-CW-217

RECEIVED KANSAS CORPORATION COMMISSION

DEC 1 2 2008





ENTERED DEC 1 0 2003 CKET NUMBER CONFIDENTICATION_

FOREMAN

20674

PO Box 884, Chanute, KS 66720

FIELD TICKET & TREATMENT REPORT

620-431-9210 or 800-467-8676 CEMENT DATE **CUSTOMER #** WELL NAME & NUMBER SECTION TOWNSHIP RANGE COUNTY 12-4-08 C. Sooha A-1 CUSTOMER <u>Nomertic</u> MAILING ADDRESS TRUCK# DRIVER TRUCKS DRIVER CI:H 520 4916 Camp Rovie Suite 200 SOZ ZIP CODE TX 76107 Ft. Worth JOB TYPE_ L/S HOLE SIZE HOLE DEPTH /480' CASING SIZE & WEIGHT 44 * CASING DEPTH_1470' DRILL PIPE TUBING OTHER WATER gal/sk_ 8" SLURRY VOL 48.70 CEMENT LEFT in CASING_Q' MIX PSI 1100 And Ar DISPLACEMENT PSI 600 REMARKS: Safety Meeting: Rig wy to 44 Gring. Break Circulation w/ 25 all master. 10211 Weter spaces. 13RU Ove unter Mived 140005 Thick Set Coment w/ 5" Kol-Seel @ 13.4 " Ash wash out pung + lines Plug. Displace of 23.4 Ru water Final Pumping france 600 RIE. Gunt Ale To 1100 Pet mait 2 mine Release FLOAT Pressure. Held. Good = 6BH slum to Ait. 706 Complete.

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PINCE	TOTAL
5401		PUMP CHARGE	925.00	92500
2406	40	MILEAGE	3.45	145.00
1126A	160sts	Thick Set Coment	17.00	2720.00
1110 A	800 ♥	Kol-Sal State	.42	336.00
IIIRA	_700 [#]	Gel-Flad	-17	51.00
געסז	8.4	Ton-Miloya	mk	315.00
4404		45 Top Ruller Ay	47,00	45.00
		RECEIVED KANSAS CORPORATION COMMIS	SION	The state of the s
		DEC 1 2 2008		
		CONSERVATION DIVISION WICHTA K		
		ANDREAM	SLLES TAX	45.00 C
An 3737		201818	ESTIMATED	178.58

AUTHORIZTION Called by Tylor Webl TITLE Co-Pap

4736.58