CONFIDENTIAL

KANSAS CORPORATION COMMISSION BINAL CONSERVATION DIVISION 4/10/10

Form ACO-1 September 1999 Form Must Be Typed

WELL COMPLETION FORM — WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33539	API No. 15 - 073-24074-0000
Name: Cherokee Wells, LLC	County: Greenwood
Address: P.O. Box 296	C -W/2-NW-SW Sec./8 Twp. 28 S. R. 13 ▼ East West
City/State/Zip: Fredonia, KS 66736	2230 feet from S / N (circle one) Line of Section
Purchaser: Southeastern Kansas Pipeline	350 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)
Controller Name Well Refined Drilling	Lease Name: Duling Well #: A-1
License: 33072 CONFIDENTIAL	Field Name: Cherokee Basin Coal Gas Area
Wellsite Geologist: N/A APR 1 2008	Producing Formation: N/A
Designate Type of Completion:	Elevation: Ground: 949' Kelly Bushing: N/A
New Well Re-Entry Workover ₩CC	Total Depth: 1555' Plug Back Total Depth: N/A
Oil SWD SIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 40' Feet
Gas ENHR SIGW	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 bottom casing
Operator:	feet depth to_surfacew/_155sx cmt.
Well Name:	Delling Fluid Management Plan
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride content ppm Fluid volume bbls
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:
3/13/08 4/3/08	Lease Name: License No.:
Spud Date or Date Reached TD Completion Date or Recompletion Date	Quarter Sec. Twp. S. R. East West County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, workove Information of side two of this form will be held confidential for a period of 1 107 for confidentiality in excess of 12 months). One copy of all wireline logs TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells.	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. 2 months if requested in writing and submitted with the form (see rule 82-3-and geologist well report shall be attached with this form. ALL CEMENTING. Submit CP-111 form with all temporarily abandoned wells.
nerein are complete and correct to the best of my knowledge. Signature:	KCC Office Use ONLY
Administrative Appletont	
10 Day I sun!	Letter of Confidentiality Received
Subscribed and sworn to before me this day of April 1811 1811 1811 1811 1811 1811 1811 18	Letter of Confidentiality Received if Denied, Yes Date: Wireline Log Received RECEIVED
0.08	Geologist Report Received RECEIVED
Notary Public: ALDITON CONDET 90	UBLIC : # WO Bisharibanian
Date Commission Expires 721/9012 2	Appt. Exp
	OF KANALITATION DIVISION WICHITA, KS
MAIL	Million of the Contract of the



perator Name: Che	erokee Wells, LLC		Leas	e Name:.	Duling		_ Well #: _A-1	
ec. 8 Twp. 2	²⁸ S. R. ¹³	✓ East	, Count	ty: Green	wood			· · · · · · · · · · · · · · · · · · ·
ested, time tool ope emperature, fluid re	en and closed, flowing covery, and flow rate	and base of formations p g and shut-in pressures, s if gas to surface test, a final geological well site	whether salong with	hut-in pr	essure reached :	static level, hydro	ostatic pressur	es, bottom hole
rill Stem Tests Take		☐ Yes 📝 No		Įι	.og Formatio	on (Top), Depth a	and Datum	Sample
amples Sent to Ge	•	☐ Yes 🗸 No		Nam	ne		Тор	Datum
ores Taken lectric Log Run (Submit Copy)	• ,	☐ Yes ☑ No ☑ Yes ☐ No			ers Log Enclosed			
st All E. Logs Run:				CON	FIDENTIAL	•		
High Resoluti ∟og, Dual Ind	•	ted Density/Neut	ron		R 10 2008 KCC			
		CASING Report all strings set-o	RECORD	✓ No		ion atc		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	We	ight / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	26#		40'	Portland	N/A	7,44,17,00
Longstring PROD	6 3/4"	4 1/2"	N/A	100	N/A	Thickset	155	
		ADDITIONAL	. CEMENTI	ING / SQL	JEEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement	#Sacks Used					
Protect Casing Plug Back TD Plug Off Zone		-						
Shots Per Foot		ON RECORD - Bridge Plug Footage of Each Interval Per				ture, Shot, Cement		d Depth
I/A	N/A	ootage of East Microry Cr	- Contract		N/A N/A			
UBING RECORD	Size	Set At	De al		Lines D			
- Dina HEOOND	UIZU	JOLAL	Packer A		Liner Run	Yes No		
ate of First, Resumer	d Production, SWD or E	nhr. Producing Meth	nod [Flowing	g Pumpin	g 🔲 Gas Lif	t Othe	r (Explain)
stimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf	Wate	er Bb	ls. G	as-Oil Ratio	Gravity
isposition of Gas	METHOD OF C	OMPLETION			Production Interv	al	KANGAG	RECEIVED
Vented Sold	Used on Lease	Open Hole Other (Specia	Perf	. 🗆 🗆	ually Comp.	Commingled	- IVANOAS	APR 1 1 2008

				7	•		
CONSOLIDATED OIL	. WELL SERVIÇES	عداه	A		TICKET NUME	BER -	13818
P.O. BOX 884, CHAN		ا آنی	LOCATION Euroka				
620-431-9210 OR 800)- 467-86 76				FOREMAN S		1
	Т	REATMEN	TREPORT &	FIELD TIC			·
DATE CUSTO	MER# W	ELL NAME & NU		SECTION	TOWNSHIP	RANGE	COUNTY
4.4.98 280	10 Dulin	- A-1					Economical .
CUSTOMER	0 -		نند				
MAILING ADDRESS	ALTA HALLING	25		TRUCK #	DRIVER	TRUCK#	DRIVER
1.6.1.6			-	485	Alan		
4916 Camp	STATE	ZIP CODE		<u> 575 </u>	Jerrid	ļ	
	,			32/763	Jim		
Faci Werth	<u> </u>	76/07			<u> </u>	L	
JOB TYPE Ang STE	•	134	HOLE DEPTH		CASING SIZE & W	EIGHT 4	
CASING DEPTH	DRILL PIPE_		TUBING	 		OTHER	
SLURRY WEIGHT	SLURRY VOI		WATER gal/sk		CEMENT LEFT in	CASING	
DISPLACEMENT	DISPLACEME		MIX PSI		RATE		
REMARKS: SAPTUL	mercy Ais on	a To 44	Casing Ri	th bash	had we	sh Cass	down
hend & Mantil			bick sor c			-71.3 M.P.	LAMOS E
Had Labble , down . Walt	***		_	To Placed	ping Pours Tub Co	mplete	Shui Rip down
			APR	10 2008			
			N	KCC			
ACCOUNT CODE	UANTITY or UNITS		DESCRIPTION of SE	RVICES or PRO	DDUCT	UNIT PRICE	TOTAL
5401 1		PUMP CHAR	RGE			874.00	£74.60
		MILEAGE	NIC 24	vell.		_	
1124A 15	Ssk2	Thick	k SaT Cemen	`		11.20	2511.00
	5 sks		Seal 5º Parls		<u>J</u>	.40	210.00
				6			
1118A 30	o *	GRIF	Jush	((.12	48.00
					50	,	
5407 8.5	376m	Tonmi.	leage Balk.	7ruck	4	MC	300.00
55015	38ns	Water	Transpert			204	3/2:00
	enellag 000		water			13.30	72.80

RECEIVED COMMISSION 200 4's Top Subbar Plug 444 42.00 APR 1 1 2008 CONSERVATION DIVISION WICHITA, KS Sub Period SALES TAX 991101 ESTIMATED TOTAL 466.22 TITLE Co. Rep DATE

AUTHORIZATION Calledby Tyler

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

WE Do Took Inde										
Rig #:	3 Lic # 33539		SAL WO			R13E				
API#:	15-073-24074-0000			Rig#3	Location: C-W2-NW-SW					
Operator: Cherokee Wells, LLC			2 3	County: Greenwood						
4916 Camp Bowie Blvd					Rig #3 County: Greenwood					
		orth, TX 76107			Gas Tests					
Well #:			Duling		Depth	Inches	Orfice	flow - MCF		
Location:	2230		Line		830	2	1/4"	2.37		
Location.	350		Line		880	3	1/4"	2.92		
Spud Date		Unknown	<u></u>		930	10	1/4"	5.32		
Date Comp		4/3/2008	TD:	1555'	980	3	1/4"	9.92		
Driller:		Shaun Beach	····		1130	5	1/4"	3.71		
Casing R	ecord	Surface	Producti	ion	1155	15	1/4"	6.55		
Hole Siz		12 1/4"		6 3/4"	1184	13	3/8"	12.9		
Casing S		8 5/8"			1205	6	3/8'	8.74		
Weight		26#			1280	5	3/8'	7.48		
Setting [Depth	40'			1505	30	3/8"	19.5		
Cement		Portland				- THE REAL				
Sacks		Unknown			388	DENTIFE				
Feet of (Casing				CONT					
08LD-04	0308-R	3-016-Duling A-1-C			AP					
				Well L	og '					
Top	Bottom	Formation	Тор	Bottom	Formation	Y TOP	Bottom	Formation		
		No surface information	416	421		785		oil smell		
40	75	sand	421		shale	807		shale		
75	150	shale	428	463		810		blk shale		
150	152	lime	463		shale	815				
152	183	shale	466		lime	820		sand		
156		add water	484		shale	840		lime		
183	185		486		lime	845		shale lime		
185		sand	495		shale	846 863		shale		
194		laminated sand	627		laminated sand	865		blk shale		
196		sand	642		lime	868		lime		
206		shale	647		shale lime	874		shale		
221		sandy shale	648 651		sandy shale	875		lime		
258		shaole	660		shale	910		oil smell		
265 287		sandy shale shale	663		sandy shale	913		shale		
342		lime	668		shale	926		blk shale		
367		shale	674		lime	927		shale		
375		lime	676		shale	978		coal		
407		shale	700		lime	979		shale		

RECEIVED KANSAS CORPORATION COMMISSION

Operator:	Cherokee	Wells LLC	Lease Na	me:	Duling	Well#	A-1 ,	page 2
Тор	Bottom		Тор	Bottom	Formation	Тор	Bottom	Formation
982	993		1329	1339	shale			
993			1339	1340	sandy shale			
1012	1023		1340	1345	sandy shale			
1023	1026		1345	1351				
1026		Weiser sand	1351	1353	sandy shale		<u> </u>	
1041	1060	shale	1353	1366	shale			
1060	1067	sand	1366		sandy shale			
1067	1070	laminated sand	1369	1380	Red Bed			
1070	1081	sandy shale	1380	1417			<u> </u>	
1081	1111	shale	1417		Red Bed		ļ	
1111	1112	Mulberry coal	1431	1442				
1112	1114		1442		sandy shale	ļ		<u> </u>
1114	1136	Pink lime	1450		laminated sand		 	
1136	1137	shale	1455	1499			<u> </u>	
1137	1139	Lexington blk shale	1499		Mississippi chat		 	
1139	1152	shale	1505	1555	Mississippi lime		ļ	
1152	1157	Peru sand	1555		Total Depth	<u> </u>	 	
1157	1161	shale						
1161	1177	Oswego lime						.,
1177	1179	shale				<u> </u>	++	
1179		Summit blk shale	<u> </u>		ļ		 	
1182	1185	shale		<u> </u>				
1185			<u> </u>	<u> </u>			 	
1194		shale				ļ	+	
1195		Mulky blk shale				 	 	
1196			1				+	
1197		shale	<u> </u>		a en con	Kallel A no	 	
1199		lime		 	COMP	A CARRED	 	
1203		Squirrel sand	 _	<u> </u>	794	1 3	+	
1232		shale	_	 	6.60	KCC	 	
1266		coal		ļ				
1267		shale				 	++	
1269		Cattleman sand				 		
1287		5 shale		 	<u> </u>		+	
1316	1329	Red Bed	<u></u>		<u> </u>			

Notes:

08LD-040308-R3-016-Duling A-1-CWLLC-CW-160

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APR 1 1 2008