Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1078696

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33539
Name: Cherokee Wells LLC
Address 1: 4916 CP BOWIE BLVD
Address 2: STE 204
City: FT WORTH State: TX Zip: 76107 + 4181
Contact Person: Emily Browning
Phone: (817) 626-9898
CONTRACTOR: License # 5675
Name: McPherson, Ron dba McPherson Drilling
Wellsite Geologist: N/A
Purchaser: Southeastern Kansas Pipeline

Designate Type of Completion:
☐ New Well ☐ Re-Entry ☑ Workover
☐ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☑ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:
Operator: Cherokee Wells, LLC
Well Name: Duckworth A-3
Original Comp. Date: 8/20/2008 Original Total Depth: 1350
☐ Deepening ☑ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☑ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

1/17/2012		1/20/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-205-27577-00-01
Spot Description: C NWSW
__ - __ - NW - SW Sec. 13 Twp. 27 S. R. 14 ☑ East ☐ West
1980 Feet from ☐ North / ☑ South Line of Section
660 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
GPS Location: Lat: ____ *(e.g. xx.xxxxx)*, Long: ____ *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Wilson
Lease Name: DUCKWORTH Well #: A-3
Field Name: Cherokee Basin Coal Gas Area
Producing Formation: Unknown
Elevation: Ground: 870 Kelly Bushing: 870
Total Vertical Depth: 1350 Plug Back Total Depth: 1339
Amount of Surface Pipe Set and Cemented at: 40 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: ____ Feet
If Alternate II completion, cement circulated from:
feet depth to: ____ w/ ____ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: ____ ppm Fluid volume: ____ bbls
Dewatering method used:
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter ____ Sec. ____ Twp. ____ S. R. ____ ☐ East ☐ West
County: Permit #:

AFFIDAVIT
I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY
☑ **Confidentiality Requested**
Date: 04/12/2012
☑ **Confidential Release Date:** 04/12/2014
☐ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 04/12/2012

1078696

Operator Name: Cherokee Wells LLC Lease Name: DUCKWORTH Well #: A-3

Sec. 13 Twp. 27 S. R. 14 ☑ East ☐ West County: Wilson

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

High Resolution Compensated Density/Neutron Log-Previously Submitted
Dual Induction Log-Previously Submitted
Cement Bond Log

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Drillers Log-Previously Submitted		

CASING RECORD ☑ New ☐ Used
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	11	8.63	18	40	Portland	8	
Longstring	6.75	4.5	10.5	1340	Thickset	140	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
____ Perforate ____ Protect Casing ____ Plug Back TD ____ Plug Off Zone	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☐ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
9	1100.5'-1102.5'	3 1/8" Slick Tag Gun Shots	

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 1/20/2012

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		0	20		

DISPOSITION OF GAS: ☐ Vented ☑ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION: ☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

April 12, 2012

Emily Browning
Cherokee Wells LLC
4916 CP BOWIE BLVD
STE 204
FT WORTH, TX 76107-4181

Re: ACO1
API 15-205-27577-00-00
DUCKWORTH A-3
SW/4 Sec.13-27S-14E
Wilson County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Emily Browning

Company: CONOCOPHILLIPS ALASKA, INC.
Contractor: NABORS DRILLING USA
Rig Name: NABORS 245E
Spud Date: 10/12/2011
Total Depth: 10/20/2011
Drilling Fluid: Water Based Mud

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Formation

CHANNEL TOOL

Series	Stage	Formation	Description	Lith	Ch	Ch Lith
			Gravel Sand Silt Clay		1-7	1-50
TUAP	10-50					
ALAPAH	10-50					
ALAPAH	10-50					
ALAPAH	10-50				7-8	50-60
			Gravel Sand Silt Clay		8-17	60-170
					17-18	170-180
			Clay, Trace Silt, Trace Sand, Trace Gravel, Trace Lignite, Trace Pyrite		18-19	180-190
					19-20	190-200
			Clay, Trace Silt, Trace Sand, Trace Lignite		20-21	200-210
					21-22	210-220
			Clay, Trace Silt, Trace Sand, Trace Lignite		22-23	220-230
					23-24	230-240
			Clay, Trace Silt, Trace Sand, Trace Lignite		24-25	240-250
					25-26	250-260
			Clay, Trace Silt, Trace Sand, Trace Lignite		26-27	260-270
					27-28	270-280
			Clay, Trace Silt, Trace Sand, Trace Lignite		28-29	280-290
					29-30	290-300
			Clay, Trace Silt, Trace Sand, Trace Lignite		30-31	300-310
					31-32	310-320
			Clay, Trace Silt, Trace Sand, Trace Lignite		32-33	320-330
					33-34	330-340
			Clay, Trace Silt, Trace Sand, Trace Lignite		34-35	340-350
					35-36	350-360
			Clay, Trace Silt, Trace Sand, Trace Lignite		36-37	360-370
					37-38	370-380
			Clay, Trace Silt, Trace Sand, Trace Lignite		38-39	380-390
					39-40	390-400
			Clay, Trace Silt, Trace Sand, Trace Lignite		40-41	400-410
					41-42	410-420
			Clay, Trace Silt, Trace Sand, Trace Lignite		42-43	420-430
					43-44	430-440
			Clay, Trace Silt, Trace Sand, Trace Lignite		44-45	440-450
					45-46	450-460
			Clay, Trace Silt, Trace Sand, Trace Lignite		46-47	460-470
					47-48	470-480
			Clay, Trace Silt, Trace Sand, Trace Lignite		48-49	480-490
					49-50	490-500
			Clay, Trace Silt, Trace Sand, Trace Lignite		50-51	500-510
					51-52	510-520
			Clay, Trace Silt, Trace Sand, Trace Lignite		52-53	520-530
					53-54	530-540
			Clay, Trace Silt, Trace Sand, Trace Lignite		54-55	540-550
					55-56	550-560
			Clay, Trace Silt, Trace Sand, Trace Lignite		56-57	560-570
					57-58	570-580
			Clay, Trace Silt, Trace Sand, Trace Lignite		58-59	580-590
					59-60	590-600
			Clay, Trace Silt, Trace Sand, Trace Lignite		60-61	600-610
					61-62	610-620
			Clay, Trace Silt, Trace Sand, Trace Lignite		62-63	620-630
					63-64	630-640
			Clay, Trace Silt, Trace Sand, Trace Lignite		64-65	640-650
					65-66	650-660
			Clay, Trace Silt, Trace Sand, Trace Lignite		66-67	660-670
					67-68	670-680
			Clay, Trace Silt, Trace Sand, Trace Lignite		68-69	680-690
					69-70	690-700
			Clay, Trace Silt, Trace Sand, Trace Lignite		70-71	700-710
					71-72	710-720
			Clay, Trace Silt, Trace Sand, Trace Lignite		72-73	720-730
					73-74	730-740
			Clay, Trace Silt, Trace Sand, Trace Lignite		74-75	740-750
					75-76	750-760
			Clay, Trace Silt, Trace Sand, Trace Lignite		76-77	760-770
					77-78	770-780
			Clay, Trace Silt, Trace Sand, Trace Lignite		78-79	780-790
					79-80	790-800
			Clay, Trace Silt, Trace Sand, Trace Lignite		80-81	800-810
					81-82	810-820
			Clay, Trace Silt, Trace Sand, Trace Lignite		82-83	820-830
					83-84	830-840
			Clay, Trace Silt, Trace Sand, Trace Lignite		84-85	840-850
					85-86	850-860
			Clay, Trace Silt, Trace Sand, Trace Lignite		86-87	860-870
					87-88	870-880
			Clay, Trace Silt, Trace Sand, Trace Lignite		88-89	880-890
					89-90	890-900
			Clay, Trace Silt, Trace Sand, Trace Lignite		90-91	900-