CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

12/17/11

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33539
Name: Cherokee Wells, LLC
Address 1: P.O. Box 296
Address 2: 1033 Fillmore
City: Fredonia State: KS Zip: 66736 + ____
Contact Person: Emily Browning
Phone: (620) 378-3650
CONTRACTOR: License # 33072
Name: Well Refined Drilling
Wellsite Geologist: N/A
Purchaser: Southeastern Kansas Pipeline

Designate Type of Completion:
✓ New Well ____ Re-Entry ____ Workover
____ Oil ____ SWD ____ SIOW
✓ Gas ____ ENHR ____ SIGW
____ CM (Coal Bed Methane) ____ Temp. Abd.
____ Dry ____ Other ____
(Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-entry: Old Well Info as follows:
Operator: ____
Well Name: ____
Original Comp. Date: ____ Original Total Depth: ____
____ Deepening ____ Re-perf. ____ Conv. to Enhr. ____ Conv. to SWD
____ Plug Back: ____ Plug Back Total Depth
____ Commingled Docket No.: ____
____ Dual Completion Docket No.: ____
____ Other (SWD or Enhr.?) Docket No.: ____

9/3/09 (Spud Date or Recompletion Date) | 9/17/09 (Date Reached TD) | ____ (Completion Date or Recompletion Date)

API No. 15 - 205-27789-0000
Spot Description: NE-SW-NE-SW
NE - SW - NE - SW Sec. 21 Twp. 27 S. R. 15 ☑ East ☐ West
1682 Feet from ☐ North / ☑ South Line of Section
1857 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
County: Wilson
Lease Name: Burnt Hills Ranch Well #: P-4
Field Name: Cherokee Basin Coal Gas Area
Producing Formation: Unknown
Elevation: Ground: 1049' est. Kelly Bushing: N/A
Total Depth: 1455' Plug Back Total Depth: N/A
Amount of Surface Pipe Set and Cemented at: 46' Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: ____ Feet
If Alternate II completion, cement circulated from: bottom casing
feet depth to: surface w/ 155 sx cmt.

Drilling Fluid Management Plan AH II NS 1-810
(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 No.: ____
Quarter ____ Sec. ____ Twp. ____ S. R. ____ ☐ East ☐ West
County: ____ Docket No.: ____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Stacy Miller
Title: Administrative Assistant Date: 12/17/09
Subscribed and sworn to before me this 17 day of December, 2009.
Notary Public: Emily Browning
Date Commission Expires: 2/21/2012

EMILY S. BROWNING
Notary Public - State of Kansas
My Appt. Expires 2/21/2012

KCC Office Use ONLY
✓ Letter of Confidentiality Received
✓ If Denied, Yes ☐ Date: ____
____ Wireline Log Received
____ Geologist Report Received
____ UIC Distribution

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Side Two

Operator Name: Cherokee Wells, LLC Lease Name: Burnt Hills Ranch Well #: P-4

Sec. 21 Twp. 27 S. R. 15 ☑ East ☐ West County: Wilson

INSTRUCTIONS: Show important tops and base 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. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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
(Submit Copy)

List All E. Logs Run:

High Resolution Compensated Density/Neutron Log, Dual Induction Log

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

Name Top Datum

Drillers Log Enclosed

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	12 1/4"	8 5/8"	N/A	46'	Portland	10	
Longstring	6 3/4"	4 1/2"	10.5#	1445'	Thickset	155	

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

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
N/A	N/A	N/A	N/A

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

Date of First, Resumed Production, SWD or Enhr. Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

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

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

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled ☐ Other *(Specify)* _____

PRODUCTION INTERVAL: _____

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

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

Rig #:	3		Lic # 33539	
API #:	15-205-27789-0000			
Operator:	Cherokee Wells, LLC			
	4916 Camp Bowie Blvd			
	Fort Worth, TX 76107			
Well #:	P4	Lease Name:	Burnt Hills Ranch	
Location:	1682	FSL	Line	
	1857	FWL	Line	
Spud Date:	9/3/2009			
Date Completed:	9/17/2009	TD:	1455	
Driller:	Louis Heck			

HAVE RIG Rig # 3 WILL DIG!

S21	T27S	R15E
Location:		NE,SW,NE,SW
County:		Wilson

Casing Record	Surface	Production
Hole Size	12 1/4"	6 3/4"
Casing Size	8 5/8"	
Weight		
Setting Depth	46'	
Cement Type	Portland	
Sacks	10	
Feet of Casing		

Gas Tests

Depth	Inches	Orfice	flow - MCF
405		No Flow	
455		No Flow	
505		No Flow	
705		No Flow	
805		No Flow	
855	1	3/8"	3.56
905	2	3/8"	5.05
980	Gas Check Same		
1030	4	3/8"	7.14
1055	8	1"	73.1
1230	9	1 1/2"	209
1255	11	1 1/2"	231
1305	Gas Check Same		
1405	Gas Check Same		
1455	10	1 1/2"	220

09LI-091709-R3-032-Burnt Hills Ranch P4-CWLLC-CW-260

Well Log

Top	Bottom	Formation	Top	Bottom	Formation	Top	Bottom	Formation
0	1	overburden	735	785	shale	992	1007	lime
1	12	clay	785	787	coal	1007	1011	blk shale
12	63	sand	787	834	shale	1011	1014	shale
63	193	shale	834	850	lime	1014	1020	lime
193	246	lime	850	853	shale	1020	1023	blk shale
246	322	shale	853	855	lime	1023	1025	coal
322	445	lime	855	869	sand	1025	1028	shale
445	469	shale	869	883	shale	1028	1038	sand
469	470	coal	883	884	coal	1038	1040	shale
470	494	shale	884	887	shale	1040	1060	sand
494	496	coal	887	891	laminated sand	1060	1088	sandy shale
496	510	shale	891	933	sand	1088	1120	shale
510	635	lime	933	937	lime	1120	1127	sand
635	654	sand	937	939	coal	1127	1160	shale
654	688	lime	939	953	lime	1160	1161	coal
688	690	blk shale	953	957	shale	1161	1177	shale
690	727	lime	957	962	lime	1177	1209	sandy shale
727	733	shale	962	964	blk shale	1209	1218	shale
733	735	blk shale	964	992	shale	1218	1282	sand

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Operator: Cherokee Wells LLC Lease Name: Burnt Hills Ranch Well # P4 page 2

Top	Bottom	Formation	Top	Bottom	Formation	Top	Bottom	Formation
1218	1282	oil odor and oil show						
1282	1284	shale						
1284	1340	sand						
1340	1367	shale						
1367	1370	sand						
1370	1375	shale						
1375	1389	sandy shale						
1389	1391	coal						
1391	1400	shale						
1400	1402	coal						
1402	1415	chat						
1415	1455	lime						
1455		Total Depth						

Notes:

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CONSOLIDATED
Oil Well Services, LLC

ENTERED

TICKET NUMBER 23599
LOCATION Eureka
FOREMAN Rick Ledford

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-18-09	8990	Bluestem Hills Ranch B-4				Wilson

CUSTOMER: Domestic Energy Partners
MAILING ADDRESS: 4916 Camp Bowie
CITY: Fort Worth | STATE: Tx | ZIP CODE: 76107

Co. Tools

TRUCK #	DRIVER	TRUCK #	DRIVER
463	Shannon		
515	Chris		

JOB TYPE Longstring | HOLE SIZE 6 3/4" | HOLE DEPTH 1455' | CASING SIZE & WEIGHT 4 1/2" 10.5#
CASING DEPTH 1445' | DRILL PIPE | TUBING | OTHER
SLURRY WEIGHT 13.4# | SLURRY VOL 46 Bbl | WATER gal/sk 8.0 | CEMENT LEFT in CASING 0'
DISPLACEMENT 23 Bbl | DISPLACEMENT PSI 900 | Bump PSI 1200 | RATE

REMARKS: Safety meeting. Rig up to 4½" casing. Break circulation w/ 35 Bbl fresh water. Pump 6 sks gel-flush, 15 Bbl water spacer 14 Bbl dye water. Mixed 155 sks thickset cement w/ 5# Kol-seal per sk @ 13.4# per gal. yield 1.68 washout pump & lines, shut down, release plug. Displace w/ 23 Bbl fresh water. Final pump pressure 900 PSI. Bump plug to 1200 PSI. Wait 2 minutes, release pressure, float held. Good cement returns to surface = 2 Bbl slurry to pit. Job complete. Rig down.

"Thank You"

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	870.00	870.00
5406	40	MILEAGE	3.45	138.00
1126A	155 sks	thickset cement	16.00	2480.00
1110A	725#	5# Kol-seal per sk	.39	302.25
1119A	300#	gel-flush	.16	48.00
5407	8.53	ton mileage bulk trk	m/c	296.00
4404	1	4½" top rubber plug	43.00	43.00
			Sub total	4177.25
		6.3%	SALES TAX	181.01
			ESTIMATED TOTAL	4358.26

Raven 3737

AUTHORIZTION Jim Welch | TITLE 831894 | DATE

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