## KANSAS CORPORATION COMMISSION URIGINAL OIL & GAS CONSERVATION DIVISION

Form ACO-1 September 1999 Form Must Be Typed

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

Operator: License # 33344	API No. 15 - 125-31997-0000
Name: Quest Cherokee, LLC	County: MONTGOMERY
Address: 211 W. 14th Street	<u>SESESec15Twp31SR17</u>
City/State/Zip: Chanute, KS 66720	660 feet from(S) / N (circle one) Line of Section
Purchaser: Bluestem Pipeline, LLC	660 feet from (E) W (circle one) Line of Section
Operator Contact Person: Jennifer R. Smith	Footages Calculated from Nearest Outside Section Corner:
Phone: ( 620 ) 431-9500	(circle one) NE SE NW SW
Contractor: Name: LAMAMCO DRILLING	Lease Name: BEACHNER BROS Well #: 15-31-17-1
License: 34103	Field Name: Cherokee Basin CBM
Wellsite Geologist: Ken Recoy	Producing Formation: MULTIPLE
Designate Type of Completion:	Elevation: Ground: 886 Kelly Bushing: n/a
✓ New Well Re-Entry Workover	Total Depth: 1132 Plug Back Total Depth: 1132
OilSWDSIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 20.8 Feet
✓ Gas ENHR SIGW	Multiple Stage Cementing Collar Used?   ☐ Yes ✓ No
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 1132
Operator:	feet depth to_surfacew/_170sx cmt.
Well Name:	Tool dopin to
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan
Deepening Re-perf Conv. to Enhr./SWD	(Data must be collected from the Reserve Pit)
Plug Back Plug Back Total Depth	Chloride content ppm Fluid volume bbls
Commingled Docket No.	Dewatering method used
·	Location of fluid disposal if hauled offsite:
Dual Completion Docket No.	Operator Name:
Other (SWD or Enhr.?) Docket No.	Lease Name: License No.:
7/20/10 7/21/10 7/22/10	Quarter Sec TwpS. R 🗆 East 🗆 West
Spud Date or Recompletion Date  Date Reached TD  Completion Date or Recompletion Date	County: Docket No.:
	Bookst No.:
Kansas 67202, within 120 days of the spud date, recompletion, workov Information of side two of this form will be held confidential for a period of 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 All requirements of the statutes, rules and regulations promulgated to regul	h the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, ver or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. 12 months if requested in writing and submitted with the form (see rule 82-3-s and geologist well report shall be attached with this form. ALL CEMENTING s. Submit CP-111 form with all temporarily abandoned wells.
herein are complete and correct to the best of my knowledge.	
Signature: Commission L. Smith	KCC Office Use ONLY
Title: New Well Development Coordinator Date: 11/17/10	Letter of Confidentiality Received
with con	If Denied, Yes Date:
	Wireline Log Received
20 10.	Geologist Report Received
Notary Public: Devra Klauman	UIC Distribution RECEIVED
Date Commission Expires.	TERRA KLAUMAN AHA-DG-11 22 10 NOV 1 8 2010
My Appt.	KCC WICHITA

and of the late of the case

Operator Name: Qu	est Cherokee, LL	<u>C</u>	Lease	Name:_	BEACHNER BR	os	Well #:15-3	1-17-1	
Sec. 15 Twp. 3					GOMERY				
tested, time tool ope temperature, fluid re	n and closed, flowing covery, and flow rates	nd base of formations pe g and shut-in pressures, s if gas to surface test, a inal geological well site r	whether sh long with fi	ut-in pre	ssure reached s	static level, hydro	static pressure	es, bottom hole	
Drill Stem Tests Take		☐ Yes 📝 No		<b>√</b> L	og Formatic	on (Top), Depth a	nd Datum	Sample	
Samples Sent to Ge	ological Survey	☐ Yes 🗹 No		Nam See	e attached		Тор	Datum	
Cores Taken Electric Log Run (Submit Copy)		☐ Yes ☑ No ☑ Yes ☐ No		;					
List All E. Logs Run:									
Compensated Dual Induction	d Density Neut n Log	ron Log							
		CASING Report all strings set-c	RECORD	Ne		ion etc			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weig	ght	Setting Depth	. Type of Cement	# Sacks Used	Type and Percent Additives	
Surface	12-1/4	8-5/8"	22		20.8	"A"	4		
Production	7-7/8	5-1/2	14.5		1132	"A"	170		
		ADDITIONAL	CEMENTIN	NG / SOL	JEEZE RECORD			<u> </u>	
Purpose: Perforate	Purpose: Depth Type of Cement			#Sacks Used Type and Percent Additives					
Protect Casing Plug Back TD Plug Off Zone									
Shota Bar Fact	PERFORATI	ON RECORD - Bridge Plug	s Set/Type		Acid, Frac	cture, Shot, Cement	Squeeze Recor	d	
Shots Per Foot		Footage of Each Interval Per			(Amount and Kind of Material Used) Depth				
4	984-986/952-954				300gal 15%HCLw/ 56bbls 2%kd water, 532bbls water w/ 2% KCL, Blockle, 9200# 20/40 sand 984-986/952-954				
4	793-795/710-712/6	65-667/652-655/620-62	2		400gal 15%HCLw/ 63bbls	2%kd water, 530bbls water w			
4	591-595/565-569					665-667 652-655/620-622  300gal 15%HCLw/ 27bbls 2%kd water, 529bbls water w/ 2% KCL, Blockle, 12700# 20/40 sand 591-595/565-569			
TUBING RECORD	Size	Set At	Packer A	<b>N</b> t	Liner Run	Yes No			
Date of First, Resume 8/26/10	rd Production, SWD or E	Enhr. Producing Met	_	Flowin	g 🕢 Pumpii	ng Gas Lif	t Othe	er (Explain)	
Estimated Production Per 24 Hours	Oil N/A	Bbls. Gas	Mcf	Wate	er B	bls. G	as-Oil Ratio	Gravity	
Disposition of Gas	METHOD OF C		,L		Production Inter	val			
Vented ✓ Sold	Used on Lease	Open Hole	✓ Perf.	. 🗆 :	Dually Comp.	Commingled _			

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**211 W. 14TH STREET,** CHANUTE, KS 66720 620-431-9500

AFE D10019

TICKET NUMBER

6945

FIELD TICKET REF # \_\_\_\_\_

231

FOREMAN Joe Blanchard

SSI \_\_\_\_

TREATMENT REPORT

15- 125-31997

46,				TICKET CEMEN	IT ÀP	15-12	<u>5 - 31997</u>
DATE		WE	LL NAME & NUMBE		SECTION	TOWNSHIP   RAI	NGE   COUNTY
7-22-10	Beach	er Bi	-os 15 -	31-17-1	15	31 1	7 Montgmen
FOREMAN / OPERATOR	TIME	TIME	LESS LUNCH	TRUCK #	TRAILER #-	TRUCK	EMPLOYEE SIGNATURE
Jus Black	1	6:45		904850		5.75	Jon Blacked
Derrect Chan		C:45	5	903255		5.75	Day My
Chas Middlet	1:00	630	)	963600		5.5	Rejustelle
Curt Collins	5 -7.00	6:15	5	931505	931507	11.25	Cent ally
Bobby Rice	3:00	6:30	<u>)                                    </u>	983414	931395	3.50	My I flier
				1			
JOB TYPE Louge	STURS HOLE S	SIZE	<u>778 - 1</u>	HOLE DEPTH/_	32 casin	NG SIZE & WEIGHT	5/2 16#
CASING DEPTH	32 DRILLI	PIPE	T	TUBING			
SLURRY WEIGHT _	4.5 SLURR	Y VOL	v	WATER gal/sk	CEME	NT LEFT in CASIN	g <u>Ö</u>
DISPLACEMENT	16.78 DISPLA	CEMENT I	PSI N	MIX PŠI	RATE	_46pm	
REMARKS:					٨	,	
Washed	10 Ft 0	Busi	ng in ha	le. Install	ed Comers	- head RA	- 4 5K5 gel
of 18 bbj	due &			ment to s			
Pump wip	er Plus to	- bott	om & set	Flora shoe.	<u>Ria 1</u>	rad to be	1d Corns
Guches a				t due to	Cosina	Bung tol	lied wrong.
Casing was talled with threads on. 2Ft Casing out Of hole.							
need but off of weld on Collar welded on. 51/2 weld on Collar sitting by							
Wall NOUSe Coment to Surface.							
ACCOUNT CODE	QUANTITY or U	INITS		DESCRIPTION OF SE	RVICES OR PRODUC	Т	TOTAL AMOUNT
904850	5. 75	h.c.	Foreman Pickup				
903255	5.75	_bc	Cement Pump Truck	k		· · · · · · · · · · · · · · · · · · ·	
903600	5.5	<u>hr</u>	Bulk Truck				<u> </u>
931505	11.25	<u> </u>	Transport Truck				
931507	11.25	_hc	Transport Trailer			<u> </u>	-
			80 Vac		····		
	//32	<u> </u>	Casing			*	<u> </u>
		6	Float Shoe		<del> </del>		
		, , ,		······································	•		
1	<del> </del>	<del></del>	WIDAT PIUO				
<u> </u>			Wiper Plug Frac Baffles 4	1 Small 1=	. \ _		
	145	1 1		' Small h	ale	<del></del>	
	145	1 5x	Frac Baffles 4'	' Small by	ale		
	145	SIC	Frac Baffles 4' Portland Cement	' Small h	ale		
	36 /	SIC	Frac Baffles 4' Portland Cement Gilsonite	' Small h	ale		
		SIC	Frac Baffles 4' Portland Cement Gilsonite Flo-Seal	' Small h	ale		RECEIVED
	36 / /2	SIC SK	Frac Baffles 4' Portland Cement Gilsonite Flo-Seal Premium Gel	' Small h	ale		RECEIVED
	36 / /2	51K 5K 5K	Frac Baffles 4' Portland Cement Gilsonite Flo-Seal Premium Gel Cal Chloride	' Small h	s/e		RECEIVED NOV 1 8 2010
403414	36 / /2 7	SIC SK	Frac Baffles 4' Portland Cement Gilsonite Flo-Seal Premium Gel Cal Chloride KCL	' Small h	ale		



Geology Brief - Data taken from Driller's Log & Compensated Density Log

DATE: 09/02/2010

**LAMAMCO Drilling** 

WELL NAME:	Beachner Bros	SECTION:	15	REPORT #:		SPUD DATE	7/20/2010	-	
WELL#:	15-31-17-1	TWP:	31S	DEPTH:	1132				
FIELD:	Cherokee Basin	RANGE:	17E	PBTD:					
COUNTY:	Montgomery	ELEVATION:	886 Estimated	FOOTAGE:	660	FTFROM	South	SECTION LINE	
STATE:	Kansas	API#:	15-125-31997-0000		660	FTFROM	East	SECTION LINE	
		<del></del>		*		•	02.02		

Fireside

## **ACTIVITY DESCRIPTION:**

LAMAMCO Drilling, Lowell Attichison, drilled to TD 1132 ft. on Wednesday, 07/21/2010 at 1600 hours.

Note: 10 foot rock samples collected for the Kansas Geological Survey (KGS) Rock Library, as required by the State of Kansas.

Surface Casing @ 20.8 ft., 4 sacks cement.

Surface Casing Size: 8 5/8"

GAS SHOWS:	Gas Measured	E-Log	COMMENTS: Wet @ 370 ft.
Bandera Shale	5 mcf/day @	318-320 FT.	5 mcf/day from this area. Gas test at 435 ft.
Mulberry Coal	6 mcf/day @	450-452 FT.	1 mcf/day from this area. Gas test at 465 ft.
Lexington Shale and Coal	26 mcf/day @	481-485 FT.	20 mcf/day from Lexington. Gas test at 510 ft.
Summit Shale & Coal	45 mcf/day @	565-569 FT.	19 mcf/day from Summit. Gas test at 575 ft.
Mulky Shale & Coal	63 mcf/day @	591-595 FT.	18 mcf/day fromMulky. Gas test at 600 ft.
Bevier Coal	63 mcf/day @	620-622 FT.	No Upper Baffle Set - not enough room.
Verdigris Limestone	63 mcf/day @	649-652 FT.	
Upper Croweburg Coal & Shale	63 mcf/day @	652-655 FT.	
Lower Croweburg Coal & Shale	63 mcf/day @	665-667 FT.	
Fleming Coal	63 mcf/day @	710-712 FT.	Gas test at 730 ft.
Weir Coal	63 mcf/day @	793-795 FT.	
Bartlesville Sandstone	63 mcf/day @	Poorly developed FT.	Gas test at 835 ft. & 906 ft.
Rowe Coal	63 mcf/day @	952-954 FT.	Lower Baffle Set at 889.14 ft. Small Hole.
Neutral Coal	52 mcf/day @	Absent FT.	Gas test at 981 ft.
Riverton Coal	52 mcf/day @	984-986 FT.	
Mississippi Chat/Limestone	73 mcf/day @	Top at 992 FT.	10 mcf/day from this area. Gas test at 994 ft.
TD: 1132 ft.	73 mcf/day @		Gas test same at 1006 ft. & TD.

Note: Water coming into the hole from zones drilled affects Drilling & Gas Tests. These Wells may require a booster to reach target TD.

This water pressure may cause the Gas coming into the hole to be sporadic and/or appear non-existent, giving false readings of initial Gas measured.

Bottom of Production Pipe Tally Sheet: 1118.28 ft. Production Casing Set by PostRock.

Bottom Logger: 1127.50 ft. Driller TD: 1132 ft.

Shoe & Centralizer Set on bottom joint & Centralizers Set every 5 joints to surface.

## OTHER COMMENTS:

Information in this report was taken directly from the Drillers hand written notes, Geologists examination of rock samples with a hand lens & the Compensated Density Log only. Gas Tests reflect what the driller wrote down during drilling activities. All zones are picked on site with minimal log correlation. Detailed work with logs may provide more accurate data for reservoir analysis. Below Zones fyi only.

Pawnee LS / Pink	452-481
Oswego Limestone - thin	552-565
Mineral Coal	732-734
Tebo Coal - poor	782-788

CASING RECOMMENDATIONS:	Run 5.5 inch casing / Cement to surface

On Site Supervisor/Representative:	Ken Recoy, Senior Geologist, AAPG CPG #5927	Cell: 620-305-9900	krecoy@grcp.net
End of this Report. Thank You!			

RECEIVED
NOV 1 8 2010