KANSAS CORPORATION COMMISSION ORIGINAL 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 - 205-26554 - 60 - 60
Name: Quest Cherokee, LLC	County: Wilson
Address: 211 W. 14th Street	<u>ne</u> -nw Sec. 21 Twp. 28 S. R. 16
City/State/Zin: Chanute, KS 66720	660 feet from S (N) (circle one) Line of Section
Purchaser: Bluestem Pipeline, LLC Operator Contact Person: Jennifer R. Ammann	1980 feet from E / (W)(circle one) Line of Section
Operator Contact Person: Jennifer R. Ammann	Footages Calculated from Nearest Outside Section Corner:
Operator Contact Person: Jennifer R. Ammann Phone: (620) 431-9500 Contractor: Name: MOKAT Drilling License: 5831	(circle one) NE SE NW SW
Contractor: Name: MOKAT Drilling	Lease Name: Wing Living Trust Well #: 21-1
License: 5831	Field Name: Cherokee Basin CBM
Ken Recov 🔞 🔛 🗷 🛱	Producing Formation: Multiple
	Elevation: Ground: 1020 Kelly Bushing: n/a
Designate Type of Completion:	Total Depth: 1356 Plug Back Total Depth: 1345.24
o de la companya de l	
OilSWDSIOWTemp. Ab d.	Amount of Surface Pipe Set and Cemented at 21 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 1345.24
Operator:	feet depth to surface w/ 140 sx cmt.
Well Name:	Drilling Fluid Management Plan
Original Comp. Date: Original Total Depth:	(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:
5/4/06 5/9/06 5/19/06	Lease Name: License No.:
Spud Date or Date Reached TD Completion Date or Recompletion Date	Quarter Sec TwpS. R
recompletion Date	County: Docket No.:
INSTRUCTIONS: An original and two copies of this form shall be filed with 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 12 107 for confidentiality in excess of 12 months). One copy of all wireline logs a TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells.	r 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
All requirements of the statutes, rules and regulations promulgated to regulate nerein are complete and correct to the best of my knowledge.	te the oil and gas industry have been fully complied with and the statements
Signature: Junifor K. Amman	KCC Office Use ONLY
Fitle: New Well Development Coordinator Date: 8/31/06	Letter of Confidentiality Received
Subscribed and sworn to before me this 3/8th day of Cugunt	If Denied, Yes Date:
20 OC.	, Wireline Log Received
	Geologist Report Received
Notary Public: Down Klauman	UIC Distribution
Date Commission Expires: 8-4-9010	RRA KLAUMAN yPublic-State of Kansas
Notar)	ires 8-4-2010

Operator Name: Qu	est Cherokee, LL	C	Lease Nar	me: Wing Living	Trust	Well #: 21-1 *			
Sec. 21 Twp. 2		✓ East	County:	Vilson					
tested, time tool ope temperature, fluid red	n and closed, flowing covery, and flow rate	and base of formations g and shut-in pressures s if gas to surface test, final geological well site	, whether shut-in along with final	n pressure reached	static level, hyd	rostatic pressure	es, bottom hole		
Drill Stem Tests Take (Attach Additional		☐ Yes 📝 No		✓ Log Forma	tion (Top), Depth		Sample		
Samples Sent to Ge	ological Survey	☐ Yes 🗹 No		Name See attached		Тор	Datum		
Cores Taken		☐ Yes 🗸 No							
Electric Log Run (Submit Copy)		✓ Yes No							
List All E. Logs Run:									
Comp. Density Gamma Ray N	_								
			RECORD [New Used	ction, 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"	20#	21	"A"	4			
Production	6-3/4	4-1/2	10.5#	1345.24	"A"	140			
		ADDITIONA	L CEMENTING /	SQUEEZE RECOR	D				
Purpose: —— Perforate —— Protect Casing —— Plug Back TD —— Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Use	ed .	Type and	Percent Additives			
Shots Per Foot		ION RECORD - Bridge Pli Footage of Each Interval P			acture, Shot, Ceme		rd Depth		
4	1019-1021/961-			,	bis 2%kci water, 581bbis wate		0# 20/40 sand 1019-1021/961-964		
							945-947		
4	875-879/862-86	6		300gal 15%HCLw/ 36 b	bis 2%kci water, 742bbis wate	er w/ 2% KCL, Blocide, 13500	0# 20/40 sand 634-638/621-625		
TUBING RECORD	Size	Set At	Packer At	Liner Run					
	3/8"	1036.8 Producing M	n/a		Yes 7				
7/27/06	d Production, SWD or I	_min. r roducing w	_	lowing 🔽 Pump	oing Gas	Lift Oth	er (Explain)		
Estimated Production Per 24 Hours	oil n/a	Bbls. Gas 10.2mcf	Mcf 8	Water 5.3bbls	Bbls.	Gas-Oil Ratio	Gravity		
Disposition of Gas	METHOD OF			Production Inte	erval				
Vented ✓ Sold (If vented, So	Used on Lease	Open Hole		Dually Comp.	Commingled				



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

TICKET NUMBER 149	6
FIELD TICKET REF #	
FOREMAN	

RANGE

COUNTY

TREATMENT REPORT & FIELD TICKET CEMENT

SECTION

TOWNSHIP

DATE		WELL	NAME & NUMBER			SECTION	COUNTY					
5-17-06	Belund	av in	TRUST	21-1		21	28	16	121			
FOREMAN / OPERATOR	TIME	TIME	LESS LUNCH	TRUCK #		TRAILER #	TRUC		EMPLOYEE SIGNATURE			
Joe . 3	2:00	100 6:45 903388					4.7	5	poe Blo chard			
wes. T	1	5:15		903197			3.25	5 6	Vei how			
RUSSENI A		5:15	903 103				3.25	<u> </u>	fu of			
david. C		5:45		903139	9	32452	3.75		avy Change			
Jerry. H		6:15		903106	4.25				ary J gall			
Maria de D	17	\$H:15		\	<u></u>		2.2		Mar Miles			
JOB TYPE <u>لمسمح</u>	OB TYPE Langstring HOLE SIZE 63/4 HOLE DEPTH 1356 CASING SIZE & WEIGHT 41/2 10.5											
CASING DEPTH	345.24 DRILL	PIPE	Т	UBING		OTH	ER					
SLURRY WEIGHT	4.5SLURE	Y VOL	W	VATER gal/sk		CEM	IENT LEFT in	CASING_	0			
DISPLACEMENT 21	.45 DISPLA	ACEMENT P	SI M	MIX PSI		RATI	E <u>8 3</u>	<u>2008.</u>				
DEMARKO.												
INSTAlle	1 cenen	+ hea	d RAN	2 sks pre	M	gel of	14 6	<u>616</u>	Pum? wipe			
150 5	KS of c	em ent	To got	due to sus	s F_a	sie. F.	lush pur	mp .	Pum? wipe			
Plus da 1	pottom "	+ Set	Flort Sho	<u>e</u>			<u> </u>		' نفر ———————			
						**						
		5.24	F1. 11/2	<i>y</i>								
	1343) · Ø4										
		6		izers								
6937310	$\frac{2}{3}$			ractor								
607240		hr	Cosing.	+1/21/01					TOTAL			
ACCOUNT CODE	QUANTITY or	UNITS		DESCRIPTION OF SI	ERVI	CES OR PRODI	JCT		TOTAL AMOUNT			
903388	H	75 hr	Foreman Pickup				-					
903197		25 hr	Cement Pump Truc	:k								
903103	3.:	25 25	Bulk Truck									
1104	1:	405K	Portland Cement									
1124	4		50/50 POZ Blend 0			······						
1126			OWC Blend Com	ent 111/2" t	2//	pir pluc	,)					
1110		<i>5 ≤</i> ∠	Gilsonite									
1107 .		53K	Flo-Seal					CEIVE	h .			
1118		2 5 K	Premium Gel			к	ANSAS CORP					
1215A	<u>lgol</u>		KCL		1 ^			0 1 20	<u> </u>			
1111B		<u>35K</u>	Sodium Silicate	Colchlori	<u>a e</u>		<u> JE</u> F		100			
1123	7000		City Water				CONSER	VATION DIV	ISION			
903139		3.75 hr	Transport Truck Transport Trailer				- Wi	CHITA, KS				
932452	<u> </u>	.75 hr	80 Vac									
903106 Ravin 4513		1.25 hr	 	Party I Was								
Davin 4515		1	11/0	1516ptersho	نو							



M.O.K.A.T. DRILLING Office Phone: (620) 879-5377



P.O. Box 590 Caney, KS 67333

O perator	QUEST CHEROKEE LLC.	Well No. 21-1		TRUST				1/4 1/4	1/4	\$ 1 6	21	Rge, 28 16		
		County		State		Type/Well		Depth	Hour	s Dat	e Started	Date C	ompleted	
		WIT	SON		KS			1356			5/4/06	:	5/9/06	
Job No.	Casing Used			Bit Record								oring Record		
	21'	8 5/8"	Bit No.	Туре	size	From	To	Bit No.	type	Size	From	То	% Rec.	
Driller	Cement Used									96	CEIVE			
T	OOTIE	4			6 3/4"			_	κÂ	BAR CORE	CEIVED DRATION C	OMMISSIO	1	
Driller	Rig No.	1							10.	ì	0 1 20			
riller	Hammer No.										VATION DIV			

Formation Record

From	To	Formation	From		Formation		То	Formation	From	To	Formation
0	2	OVERBURDEN			LIME	880		GAS TEST (SAME)			
2	15	LIME		660	SHALE	940		COAL (BEVIER)		•	
15	17	SAND			LIME			SHALE			
17	25	LIME			SHALE		959	LIME (VERDIGRIS)			
25	28	SHALE			LIME			COAL			
28	29	LIME			SHALE			SANDY SHALE			
29		SANDY SHALE/ SHALE			LIME			SAND			
35	140	SHALE	678		SAND			SANDY SHALE			
140	153	LIME	702	723	SANDY SHALE	1028		SHALE			
153	156	BLACK SHALE	723	740	SAND	1032	1033	COAL (MINERAL)			
156		SANDY SHALE	740	778	SANDY SHALE			SANDY SHALE		į	
237	249	LIME	778	781	LIME	1054		COAL			
249	346	SAND (WATER)			BLACK SHALE (MULBERRY)	1055	1057	SHALE			
		SIIALE	785		LIME	1057	1058	COAL (TEBO)	1		
		LIME	787		GAS TEST (NO GAS)			SHALE			
410	415	SHALE	803	808	BLACK SHALE	1060		GAS TEST (SAME)			
		LIME	808	814	LIME	1065	1067	COAL (WEIR)			
		SHALE	812		GAS TEST (NO GAS)	1067	1100	SHALE			
		SANDY SHALE	814	816	COAL (LEXINGTON)	1100	1115	SANDY SHALE (BARTLESVILLE)			
484	496	LIME				1115		SAND (WATER)			
496.	499	SHALE	819	828	SAND/SANDY SHALE	1200	1264	SHALE			
499 -	507	LIME	820		GAS TEST (LIGHT BLOW)	1264	1267	COAL (ROWE)			
		SHALE	828	830	LIME	1267	1276	SHALE			
509	543	LIME	830	842	SHALE	1276	1356	LIME (MISSISSIPPI)			
543		SHALE	842	860	LIME (OSWEGO)						
546	565	LIME	860	864	BLACK SHALE (SUMMIT)			T.D. 1356'			
		SHALE	864	871	LIME						
632	636	LIME	866		GAS TEST (SAME)						
636	638	BLACK SHALE / COAL			COAL (MULKEY)						
638		LIME			LIME						
639	648	SHALE	875	940	SHALE						