KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1 September 1999 Form Must Be Typed

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33344	API No. 15 - 133-26621~00-00
Name: Quest Cherokee, LLC	County: Neosho
Address: 211 W. 14th Street	swnw_Sec. 11 Twp. 28 S. R. 18 V East West
City/State/Zip: Chanute, KS 66720	1980 feet from S /(N) (circle one) Line of Section
Purchaser; Bluestern Pipeline, LLC	510 feet from E / W circle one) Line of Section
Operator Contact Person: Jennifer R. Ammann	Footages Calculated from Nearest Outside Section Corner:
Phone: (620) 431-9500	(circle one) NE SE NW SW
Contractor: Name: MOKAT	Lease Name: Lightwine, Harold Well #: 11-1
License: 5831	Field Name: Cherokee Basin CBM
Wellsite Geologist: Ken Recoy	Producing Formation: Multiple
Designate Type of Completion:	Elevation: Ground: 910 Kelly Bushing: n/a
New Well Re-Entry Workover	Total Depth: 1022 Plug Back Total Depth: 1013.35
Oil SWD SIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 20 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 1013.35
Operator:	feet depth to surface w/ 113 sx cmt.
Well Name:	
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride content ppm Fluid volume bbls
Plug Back Plug Back Total Depth	Dewatering method used
Commingled Docket No	·
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name:
5/10/06 5/12/06 5/24/06	Lease Name: License No.:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Recompletion Date Recompletion Date	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	the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, or 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.
All requirements of the statutes, rules and regulations promulgated to regulation are complete and correct to the best of my knowledge.	ate the oil and gas industry have been fully complied with and the statements
Signature: Junifor F. Junam	KCC Office Use ONLY
Title: New Vell Development Coordinator Date: 9/6/06	Letter of Confidentiality Received
Title.	
Subscribed and sworn to before me this	· · · · · · · · · · · · · · · · · · ·
20 06.	Geologist Report Received FECEIVED Geologist Report Received FECEIVED UIC Distribution KANSAS CORPORATION COMMISSION GEP 0 8 2006
Notary Public: Deva Klauman	UIC Distribution KANSAS CORPURA
	ERRA KLAUMAN OF Public - State of Kansas
My Appt. Ex	J. S.

ORIGINA Operator Name: Quest Cherokee, LLC Lightwine, Harold County: _Neosho Twp._²⁸ 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 **✓** Log Formation (Top), Depth and Datum Sample (Attach Additional Sheets) Name Тор Datum Samples Sent to Geological Survey **✓** No See attached **✓** No Cores Taken Yes Electric Log Run ✓ Yes ☐ No (Submit Copy) List All E. Logs Run: **Dual Induction Log** Compensated Density Neutron Log CASING RECORD New Report all strings set-conductor, surface, intermediate, production, etc. Size Hole Size Casing Weight Setting # Sacks Type and Percent Type of Purpose of String Set (in O.D.) Drilled Lbs. / Ft. Depth Used **Additives** Surface "A" 20 4 12-1/4 8-5/8" 20# Production 6-3/4 4-1/2 10.5# 1013.35 "A" 113 ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Type of Cement #Sacks Used Type and Percent Additives Top Bottom Perforate **Protect Casing** Plug Back TD Plug Off Zone PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record Shots Per Foot Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Depth 4 943-947/950-955 400cai 15%HCl w/ 25 bbis 2%kcl water. 472bbis water w/ 2% KCL. Biocide. 12000# 2040 943-947/950-955 764-766/689-691/706-708/651-654/628-630 651-654/628-630 706-708 544-548/533-537 400gal 15%HCLw/ 30 bbls 2%kd 544-548/533-537 **TUBING RECORD** Set At Packer At Liner Run Yes ✓ No 2-3/8" 1029.4 n/a Date of First, Resumerd Production, SWD or Enhr. **Producing Method** ✓ Pumping Gas Lift Other (Explain) Flowing 6/30/06 **Estimated Production** Oil Bbls. Gas Water **Bbls** Gas-Oil Ratio Per 24 Hours 63.5bbls 14.1mcf n/a Disposition of Gas METHOD OF COMPLETION Production Interval Dually Comp Vented ✓ Sold Used on Lease (If vented, Submit ACO-18.) ्रहात्यक्षकः । व



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

WELL NAME & NUMBER

		4	-	_
TICKET	NUMBER	1	5U	b

FIELD TICKET REF #

SECTION | TOWNSHIP

FOREMAN Jue

RANGE

COUNTY

TREATMENT REPORT & FIELD TICKET CEMENT

5.24.06	Light win	ie Ho	avold	11-1	11	28 18	, NO
FOREMAN / OPERATOR	TIME	TIME	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Joe .	11:15	2:00		903388		2.75	Ju Bann
TiM.) "	\		903255			Light
MANINCE I				903206			
DAVIÓ C	- 1			903139	932452		Down Glass
Jerry H Austin A		7		903106			for the
	1. V/			1 extra			HOW Side
				HOLE DEPTH _/A			41/2 10.5
	<i>x</i>	•.		TUBING			
SLURRY WEIGHT_	14.5/ SLURF	Y VOL		WATER gal/sk	CEME	ENT LEFT in CASINO	3 <u> </u>
DISPLACEMENT 1/6	16 DISPLA	CEMENT	PSI	MIX PSI	RATE	- Hbpm	, , , , , , , , , , , , , , , , , , ,
REMARKS:	4						
RAN 2 SK	is gal su	mp+_	lo Surface	Tristalled	1 Cement h	200 RAN 1	5 k gel
d 10 bhl	due 4	120	SKS ofc	ement to	at due to	Surfação.	Trushperp. P
wper	plug to	bon Hom	the to	Floot-Shire.			,
- V	(1)	\					1-
4-1-700m-1							
							·
	.,.,.,.,			•		4	
		26	T1 :411-	A .			
	1013	. 35	F1 41/2	(08/20)			
	-		Centralize				+:
93/300		5 h	Casing +				-
607240	1.5	h/	Casing	trailor			
ACCOUNT . CODE	QUANTITY or	JNITS		DESCRIPTION OF S	ERVICES OR PRODUC	СТ	TOTAL AMOUNT
903388) 74	5 KC	Foreman Pickup				
9-3255	2.74		Cement Pump Tru			37,	
503206	2,75		Bulk Truck				
1104	` ' '	3 3K	Portland Cement				
1124	2	. /	50/50 POZ Blend	COMENT BAFFID	5 312 H	3"	
1126	1		OWC - Blend Cen	1111.	ripor pluc		
1110		2 SK	Gilsonite		, P)	
1107	- i		Flo-Seal				-5
1118		3 5K	Premium Gel			REC	EIVED
1215A	- 1901		KCL			KANSAS CORPOR	EIVED RATION COMMISSION
1111B		2 SK	Sodium Silicate	ocichion	1100	CED	0 8 2006
1123	7000001		City Water				
903139	ع ر	75 hr	Transport Truck			CONSERV	ATION DIVISION
532452	2.	75 W	Transport Trailer				CHITA, KS
903106	2.7	5 hs	80 Vac				
Ravin 4513			LILA Floo	ots hoe			
	1		1 / •	~			1



DATE: 5/14/06						
		Data from Dril	ler's Log	MOKAT Drilling		
WELL NAME: Lightv	vine, Harold SECTION:	- 11	REPORT 6:	SPUD DATE: 5/10	2006	
VELL 5: 11-1	TWP:	28S	DEPTH:	1022		
	kee Basin RANGE:	18E	PBTD:			
OUNTY: Neosh		910	FOOTAGE:	1980 FT FROM North	LINE	
STATE: Kansa	s API 6 :	15-133-26621-0		510 FT FROM West		
				sw		
ACTIVITY DESCRIPTION:						
OKAT Drilling, Pete, drilled	to TD 1022 ft. on 5/12/06.	·				
SAS SHOWS:	Gas Measured		CO	MMENTS:		
fulberry Coal	Oas measured	mcf/day @	429-430 FT.	**************************************		
exington Shale and Coal	 0		468-470 FT.	,		
ummit Shale & Coal			526-529 FT.			
fulky Shale & Coal			539-542 FT.			
evier Coal	0		598-600 FT.	***************************************		
erdigris Limestone			615-617 FT.			
roweburg Coal & Shale	 		617-618 FT.			
leming Coal	 Q		635-637 FT.			
Veir Coal			722-724 FT.			
artiesville Sand	49			mcf/day from this area. Gas check at	765 ft.	
owe Coal	49		822-824 FT.			
eutral Coal	49			S. Gas check at 866 ft.		
iverton Coal	49		889-892 FT.		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
lississippi	49			S. Gas check at 919 ft.		
T): 1022 ft.	59		***************************************	mcf/day from this area. Gas check at	TD 1022 ft.	

Zone not identifiable from D	riller's handwritten notes.					
T	dia managan di Carin Baran di A					
Forms	tion Tops and Casing Recommenda	lion made without benefit of viewi	ing open-note logs tirst.			
urface Casing @ 19' 6"						
urface Casing Size: 8 5/8"						
OTHER COMMENTS:						
nformation in this report was	taken directly from the Drillers	hand written notes. All depths a	nd orifice checks reflect what th	he		
riller recorded during drillin	g activities. Below Zones fyi only	•				
awnee LS / Pink	430-468					
swego Limestone	504-526					
lineral Coal	652-653		, ,			
ray Shale / Coal	793-795					
rywood Coal	757-759					
ASING RECOMMENDATI	ONS:	Run casing / Cement to surface				
n Site Representative:		Geologist, CPG #4630	Thank you! C	Cell: (620) 305-9203 krec	oy@grcp.net	
nd of Drilling Report. Than	k You!					

RECEIVED KANSAS CORPORATION COMMISSION

MAR 1 2 2008