# KANSAS CORPORATION COMMISSION 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 - 133-26498 - 00 - 00
Name: Quest Cherokee, LLC	County: Neosho
<b>&gt;</b>	sw_ne Sec. 22 Twp. 29 S. R. 19 V East West
	1980 feet from S / (N) (circle one) Line of Section
St	2100
Operator Contact Person: Jennifer R. Ammann	Footages Calculated from Nearest Outside Section Corner:
Phone: (620 ) 431-9500	(circle one) NE SE NW SW
City/State/Zip: Chanute, KS 66/20  Purchaser: Bluestem Pipeline, LLC  Operator Contact Person: Jennifer R. Ammann  Phone: (620 ) 431-9500  Contractor: Name: Show Me Drilling	Lease Name: Houghton, Richard C. Well #: 22-2
Purchaser: Bluestem Pipeline, LLC  Operator Contact Person: Jennifer R. Ammann  Phone: (620 ) 431-9500  Contractor: Name: Show Me Drilling  License: 33746	Field Name: Cherokee Basin CBM
Wellsite Geologist: Ken Recoy	Producing Formation: Multiple
	Elevation: Ground: 946 Kelly Bushing: n/a
Designate Type of Completion:	Total Depth: 953 Plug Back Total Depth: 948.78
✓ New Well Re-Entry Workover	
Oil SWD SIOW Temp. Abd.	Amount of Surface Pipe Set and Cemented at 22 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 948.78
Operator:	feet depth to surface w/ 120 sx cmt.  AIF2 DIQ - III 125
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 Back Plug 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:
3/6/06 3/8/06 3/17/06	Lease Name: License No.:
Spud Date or Recompletion Date  Date Reached TD  Recompletion Date  Completion Date or Recompletion Date	Quarter Sec Twp S. R East West  County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, workon 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 log-TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged well:  All requirements of the statutes, rules and regulations promulgated to regulated.	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: Gunny R. Almmann	KCC Office Use ONLY
Title: New Well Development Coordinator Date: 6/30/06	Letter of Confidentiality Received
Subscribed and sworn to before me this 30 day of June	If Denied, Yes Date:
	, Wireline Log Received
20 06	Geologist Report Received
	UIC Distribution
	SSION EXPIRES 51 21, 2009

Operator Name: Quest Cherokee, LLC					Lease Name: Houghton, Richard C. Well #: 22-2					
Sec. 22 Twp.	29 S. R. 19	_ <b>  Ea</b> :	st 🗌 West	Cou	inty: Neos	sho				
tested, time tool op temperature, fluid re	Show important tops en and closed, flowir ecovery, and flow rate gs surveyed. Attach	g and shues if gas to	it-in pressures, surface test, a	whether along wit	r shut-in pr	essure reache	d static level, hyd	drostatic pressur	es, botton	n hole
Drill Stem Tests Tak			∕es 🗸 No		<u></u> ₹]t	.og Forma	tion (Tap), Depth	and Datum	_ s	Sample
Samples Sent to G	eological Survey		∕es 🗸 No		Nan See	ne Attached		Тор	D	atum
Cores Taken Electric Log Run (Submit Copy)		∑ )	∕es ☑ No ∕es ☐ No							
List All E. Logs Run	:									
Dual Induction Compensated Gamma Ray	Density/Neutro	on Log								
		Repo		RECOR	- Lan-1	ew 🔲 Used ermediate, produ	ction etc			
Purpose of String	Size Hole Drilled	Si	ze Casing et (In O.D.)	M	Veight os. / Ft.	Setting	Type of	# Sacks		nd Percent
Surface	12-1/4"	8-5/8"	et (III O.D.)	20#	JS. / Ft.	Depth 22	Cement "A"	Used 4	Ad	lditives
Production	6-3/4"	4-1/2		10.5#		948.78	"A"	120		
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Туре	ADDITIONAL of Cement	· i	TING / SQI	JEEZE RECOR		Percent Additives		
Shots Per Foot			RD - Bridge Plug Each Interval Per		 pe		acture, Shot, Ceme		d	Depth
4	843-846/789-79	· · · · · · · · · · · · · · · · · · ·	Laori interval i er	Toralea			obls 2% kd water, 486bbls wa		# 30/70 sand 8	43-846/789-791
4	577-579/549-55	1/544-54	6/522-524			400gal 15% HCL w/ 38 t	nbts 2% kd water, 600bbts wat	er w/ 2% KCL, Blockle 12000		77-579/549-551
4	428-432/416-41	9		· · · · · · · · · · · · · · · ·		400gal 15% HCL w/ 50 b	bis 2% kcl water, 531bbis wat	er w/ 2% KCL, Blockie 10500;	-	28-432/416-419
TUBING RECORD	Size	Set At		Packe	r At	Liner Run				
	-3/8" rd Production, SWD or E	900 inhr.	Producing Meti	n/a hod	Flowing	l	Yes ✓ N		er (Combain)	
Estimated Production Per 24 Hours	Oil	Bbis.		Mcf	Wate	er E		Gas-Oil Ratio	r (Explain)	Gravity
Disposition of Gas	n/a METHOD OF 0	OMPLETIC	6.3mcf		78.6t	Production Inte	rval		<del> </del>	
Vented ✓ Sold (If vented, S	Used on Lease		Open Hole Other (Special	[ <b>✓</b> Pe	erf.	Dually Comp.	Commingled .			



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

TICKET NUM	BER (	1429	
FIELD TICKE	TREF	#	100
FOREMAN_	J.,.	و	

SECTION TOWNSHIP

RANGE

COUNTY

### \*\*TREATMENT REPORT & FIELD TICKET CEMENT

WELL NAME & NUMBER

3-17-06	Hough	HON	Richaire	<u> </u>	77	27 19	NO
FOREMAN / OPERATOR	TIME	TIME	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
JOR . R	9:45	11:30	***	903388	π ,	1.75	you Ban (10)
TIM. A	1	1		903197		İ	In any
Pungall. A				903103		6	bon
AAU: A. C.		1 1			932452		1 la sello las
				931420	1,30,135	The state of	
MAC. M				extra.			Max or Doc
	viba HOLES	SIZE 63			S CASI	NG SIZE & WEIGHT	
ASING DEPTH 91	-						
						ENT LEFT in CASING	i_0
ISPLACEMENT 15				_			
CMADKO.					. *	Ų	
PAN 15	K DIEN GO	21 Sum	At to surfa	ci Install	ed coment	head PAN to get due Floot Sho	15K Drem
901 4	96	bl dye	d 130	SKS of	cement.	to get due	to sorfac
Flusho	uma. R	mp (4	LiDER Dlug	to better	m 9 5-4	Front Sho	- -
		7- 00	The Page	)			
	948	. 78	F+ 41/2"	Caking		ORPORATION COMM	ISSION
		7/	Central			JUL 0 5 2006	
931300	1. 25	hi	Casina	turch.r	CON	ISERVATION DIVISION	
753	1.25	٢٢	Cosing			WICHITA, KS	
ACCOUNT CODE	QUANTITY or I	UNITS		DESCRIPTION OF SE	ERVICES OR PRODUC	СТ	TOTAL AMOUNT
903388	1. 75	۲۲	Foreman Pickup				
903197	1.75	hr	Cement Pump Truck				
903103	1.75	hr.	Bulk Truck				
1104	1:	20 511	Portland Cement	Q			
1124			50/50 POZ Blend C	-	<u> </u>	)	
1126	1		-OWC - Blend Ceme	nt 4/2" wip.	in plus		\$
1110			Gilsonite				
1107	1. 5		Flo-Seal		ਂ 		
1118	<i>&amp;</i>	<u>7 ろド</u>	Premium Gel				487
1215A - Sh	1901		KCL				****
1111B /		3 <u>5k</u>		Calchbrid	<u>e</u>		
1123	700000l	<u> </u>	City Water				<del> </del>
532462	1.75		Transport Truck				<del> </del>
931420	1.75	<del></del>	Transport Trailer				
in 4513	1. 7	) hr	80 Vac	. 7			<del>                                     </del>
			11/12 P	-loat shoe	i.	* '	

# SHOW ME DRILLING COMPANY

LOG SHEET Houghton, Richard LOCATION #22-295-19E Weil No # 22-2

RECEIVED KANSAS CORPORATION COMMISSION

FROM.

TO

**NOTES** 

JUL 0 5 2006

·.	5	Clay	CONSERVATION DIVISION WICHITA, KS
5	3	wenthered Shale	····AIIIW' V2
8	140	Shale	£
140	147	Lime	
147 1	205	Shale	
205	240	Line	
240	242	COAL : Shale	
242	312	Shale	
312	317	hime	
317	319	Coal	
319	342	lime	
348	351	coal & Shale	
351	398	Shale	
388	415	lime	
415	418	coal & Shale	
418	422	Shale	
422	427	hime	
427.	432	conteshale	
432	516	Shale	
516	519	COAL	
519	535	Shale	
538	537	line	
537	54 <b>5</b>	COAL	
540	564	Shale	
5 . 4	570	COAL	
<u>570</u>	580	Shale	
580	584	COAL	
534	612	Shale	
(012	<i>le</i>   le	CORI	
(olle	658	Shale	
458	670	Line	

## SHOW ME DRILLING COMPANY

LOG SHEET Houghton, Richard LOCATION # 22-295-195 Well NO# 22-2

FROM TO		NOTES	GAS Chedz's		
670	673	COAL			
673	490	Shale			
1090	705	Sandy Shale A	· · · · · · · · · · · · · · · · · · ·		
765	7.23	Shale			
728	1731	Coal			
731	745	Shale			
745	750	CORL & Shale			
750	790	Shale			
730	734	Coal			
784	300	Shale			
7,00	804	COAL			
804	336	Shale			
836	840	Coal + Shale			
340	843	Shale			
243	246	Miss. Lime	26		
346	348	chat gas	Gas Checks		
848	953	miss Line	200-0		
TD	953		150-0		
			300-0		
			350-0		
			400-0		
			500 - 0		
î 1		ė.	450-0		
			700-0		
e di			750-0		
- <u> </u>		2	350-0		
			900-0		
			920-0		
ii.			940-0		
7		3/8 choke	943 - 76 165		
		3/8 choke	953 7616		



DATE: 3/9/06

			Data from D	riller's Log		SI	ow Me Dril	ling
WELL NAME:	Houghton, Ric	SECTION:	22	REPORT	#:	SPUD DATE	3/6/2006	
NELL #:	22-2	TWP:	29S	DEPTH:	953	<ul> <li>************************************</li></ul>		
TELD:	Cherokee Basin	RANGE:	19E	PBTD:	2.			
COUNTY:	Neosho	ELEVATION:	946	FOOTAG	E: 1980	FT FROM	North	LINE
STATE:	Kansas	API#:	15-133-2	6498-00-00	2100	FT FROM	East	LINE
		^**					SW NE	
ACTIVITY DES			210107					
now Me Drillin	g, wayne Johnso	on, drilled to TD 953 ft.	on 3/8/06.					
AS SHOWS:	Cı	umulative Gas			COMMEN	TS:		
Aulberry Coal		0 mcf/day	 · @	FT. *		350 ft. and 4	00 ft. No flo	w
exington Shale	and Coal	0 mcf/day	@	427-432 FT.	Gas test at	500 ft. No flo	W	
ummit Shale &	Coal	0 mcf/day		516-519 FT.				
Aulky Shale &	Coal	0 mcf/day		537-545 FT.				
Bevier Coal	***************************************	0 mcf/day	@	580-584 FT.				
erdigris Limes		0 mcf/day		FT. *				
Croweburg Coa	l & Shale	0 mcf/day		612-616 FT.		650 ft. No flo		
leming Coal		0 mcf/day		670-673 FT.		700 ft. No flo		
Veir Coal		0 mcf/day		745-750 FT.	Gas test at	750 ft. No flo	w	
Bartlesville San	d	0 mcf/day		FT. *				
Rowe Coal		0 mcf/day		780-784 FT.		B8 64 64 64 64 64 64 64 64 64 64 64 64 64		
Neutral Coal		0 mcf/day		800-804 FT.		***************************************		
Riverton Coal		0 mcf/day		836-840 FT.		850 ft. No flo		
Mississippi		0 mcf/day		p at 843 FT.		900 ft, 920 ft		
TD: 953 ft.		262 mcf/day	<u>' @</u>		262 mcf/day	from this area	Gas test at	TD 953 ft.
	Formation Top	s and Casing Recommer	ndation made	without benefit of vi	ewing open-hol	e logs first.		
Surface Casing	@ 22.0'							
Surface Casing	Size: 8 5/8"							
OTHER COMM				·				
		activities. Zones belo			ll depths and o	rifice checks r	eflect what t	he
Stray Coal		317-319						
Stray Coal		345-351						
Pawnee LS / Pinl		388-415		<del></del>		F	ECEIVE	D
tray Coal		415-418				KANSAS COI		
tray Coal		564-574						
ebo Coal		728-731		· · · · · · · · · · · · · · · · · · ·		Jt	<del>儿 052</del>	UUb
						CONSE	RVATION DI	VISION
Zones not iden	tified in Driller'	s notes.				· · · · · · · · · · · · · · · · · · ·		
CASING RECO	MMENDATIO	NS: Run cas	sing / Cement	to surface				
On Site Represe	ntative:	Ken Recoy, Senior Go	eologist, CPG	#4630 Thank yo	u!	krecoy@arcp.net		
	Report. Thank	You!						