## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:			(	See Instruci	tions on Reve	erse Side	)					
Op	en Flow			Test Date	<b></b>			۸DI	No. 15				
De	eliverabilty			9/25/14	··				007-20758-0	IO-0 <b>0</b>			
Company WOOLSEY OPERATING COMPANY, LLC				1	Lease Z BAR			CATTLE COMPANY			Well Number 4		
County BARBER	R	Location SE SW S		Section 30		TWP 34S		RNG (E/ 14W	W)	ı	Acres Attributed		
Field AETNA				Reservoir MISSIS	SIPPIAN				hering Conne KFIELD SEF				
Completion Date 7/12/79				Plug Bac 4937	k Total Dept	h		Packer S NONE	et at				
Casing S 4.500	iize	Weight 10.50		Internal E	Diameter	Set at 4968		Perfor 4670	rations	то 4866			
Tubing S	ize	Weight		Internal D	Diameter	Set at			rations	То			
2.375		4.70		1.995	-f Danalasaka	4917		OPE		Dlummar Van	/ N-		
Type Completion (Describe) SINGLE				WATE			Pump Unit or PUMPING		ING				
Producing ANNUL	-	nulus / Tubing)		% C	arbon Dioxi	de		% Nitroge	en	Gas Gra	avity - G <sub>g</sub>		
Vertical E	Depth(H)				Pres	sure Taps				(Meter F	Run) (Prover) Size		
Pressure	Buildup:	Shut in _9/24	14 2	0 at		(AM) (PM) T	aken_9/	25/14	20	at	(AM) (PM)		
Well on L	ine:	Started	2	0 at		(AM) (PM) 1	aken		20	at	(AM) (PM)		
	r-				OBSERVE	D SURFACE	DATA			Duration of Shut-	in Hours		
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure		Flowing Temperature	Well Head Temperature t	Casin Wellhead P (P <sub>w</sub> ) or (P <sub>t</sub> )	ressure	Wellhea	ubing ad Pressure (P <sub>L</sub> ) or (P <sub>C</sub> )	Duration (Hours)	Liquid Produced (Barrels)		
Shut-In	(mones)	psig (Pm)	Inches H <sub>2</sub> 0		`	psig 80	psia	psig_ 360	psia	24			
Flow		li .											
					FLOW STR	EAM ATTRIE	BUTES		I,,I				
Plate Coeffied (F <sub>b</sub> ) (F Mofd	eient Pre	Circle one: Meter or over Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Grav Fact	or T	Flowing Femperature Factor F <sub>tt</sub>	Fa	iation ctor : pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Flowing Fiuld Gravity G <sub>m</sub>		
4- \.	,			•		ERABILITY)					<sup>2</sup> = 0.207		
(P <sub>c</sub> ) <sup>2</sup> =	: :		; loose formula 1 or 2	P <sub>d</sub> =		T		14.4 =	<del>:</del> - T	(P <sub>d</sub> ):			
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		$(P_c)^2 - (P_w)^2$ 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_a^2$ divided by: $P_c^2 - P_w$		LOG of formula 1. or 2., and divide p2-p2 by:		Backpressure Curve Slope = "n"or Assigned Standard Slope		n x l OG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
		0.0	nded by: Fe - Fw	- J.	<u> </u>	- Staridar	·						
Open Flow Mcfd @ 14.65				65 psia	psia Deliverability			Mcfd @ 14.65 psia					
The	undersigne	d authority, on	behalf of the	Company, s	tates that h	e is duly aut				rt and that he ha			
the facts s	stated there	in, and that said	d report is true	e and correc	t. Executed	this the 17			OVEMBER		, 20 <u>14</u>		
		Witness (if a	m/d	KA	Red NSAS CORPOR	Ceived RATION COMMIS	SION Z	Int	Valla	ompany			
						3 1 2014							
		For Commis	sion		DEC.	0 1 ZUIT			Chec	ked by			

CONSERVATION DIVISION WICHITA, KS

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	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt	status under Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC
and tha	t the foregoing pressure information and statements contained on this application form are true and
orrect	to the best of my knowledge and belief based upon available production summaries and lease records
of equip	ment installation and/or upon type of completion or upon use being made of the gas well herein named.
l he	reby request a one-year exemption from open flow testing for the Z-BAR 4
jas wel	on the grounds that said well:
	(Check one)
	is a coalbed methane producer
	is cycled on plunger lift due to water
	is a source of natural gas for injection into an oil reservoir undergoing ER
	is on vacuum at the present time; KCC approval Docket No
	✓ is not capable of producing at a daily rate in excess of 250 mcf/D
l fur	rther agree to supply to the best of my ability any and all supporting documents deemed by Commission
taff as	necessary to corroborate this claim for exemption from testing.
sata: 1	1/17/14
.a.c	
	, all m
	Signature:
	Title: FIELD MGR.
	-u - FIFI D MIGH

## Instructions:

If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.