KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Instruct	ions on Reve	erse Side	e)					
Op	en Flow				Test Date	n·			ADI	No. 15-				
✓ De	liverabilt	у			1/1/201					No. 15 - 7-23090-00	000			
Company Osage F		es, LLC					Lease Osage				105	Well Number	·····	
County			ation		Section		TWP		RNG (EA	N)		Acres Attribu	ted	
Barber Field		NE N	IE NE		2		33\$		15W			R	ECEIVE	
Aetna Gas Field Completion Date				Reservoi Lansing			Ві		Gas Gathering Connection Big Creek Field Services, LLC		DEC 04 2			
01/18/2007			Plug Back Total Depth 5344'				Packer Set at NA							
Casing S 5 1/2"	ize	Wei 15.			Internal Diameter 4.95"		Set at 5387'		Perforations 4322'		то 4332	KCC WIC		
Tubing Si 2 7/8"				Internal Diameter 2.44"		Set at 4863 '		Perforations		То				
Type Con Acid/Sa		(Describe) IC			Type Flui Gas &	d Production Water	1		Pump Un Pump		Plunger? Yes	s / No		
•	,	Annulus / Tub	ing)		% C	arbon Dioxi	de		% Nitroge	en	Gas G	aravity - G _g		
Annulus Vertical D						Pres	sure Taps				(Meter	r Run) (Prover)	Size	
Pressure	Buildup:	Shut in A	ug 1		12 _{at} 4	:00	(AM) (PM)) 1	Taken Au	ug 6	20	12 _{at} 8:30	(AM)	PM)	
Well on L	ine:						(AM) (PM)				at	<u> </u>	,	
						OBSERVE	D SURFACE	DATA			Duration of Shu	ıt-in	Hours	
Static / Dynamic Property	Orifice Size (inches	Circle one: Meter Prover Pressure		Pressure Differential in	Flowing Temperature t	Well Head Temperature	Casing Wellhead Pressure (P_w) or (P_f) or (P_c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Prod (Barrels	I .	
	(11101103	" psig (Pr	n}	Inches H ₂ 0			psig	psia	psig	psia				
Shut-In							40							
Flow														
			1			FLOW STR	EAM ATTRIE	UTES						
Plate Coeffieci (F _b) (F Mcfd	ent p)	Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Grav Fact F _c	tor T	Temperature Factor		iation Metered Flow ctor R F _{pv} (Mofd)		GOF (Cubic F Barre	Feet/ FI Gra	wing uid avity â _m	
(P _c) ² =		: (P _w) ²	2 ==	;	(OPEN FLO	OW) (DELIVI	ERABILITY) (P.	CALCUL - 14.4) +		:		$(a, b)^2 = 0.207$ $(a, b)^2 = 0.207$		
(P _c) ² - (F or (P _c) ² - (F	1	(P _c) ² - (P _w) ²		1. P _c ² - P _a ² LOG formula 2. P _c ² - P _d ² and the		P _c ² - P _w ²	Backpressure Curve Slope = "n" or Assigned		l n x I	og	Antilog	Open Flo Deliverabl Equals R x A	Open Flow Deliverability Equals R x Antilog	
			divide	d by: $P_c^2 - P_w^2$	by:	[' w]	Standar	rd Slope		ı I		(Mtcfd)		
Open Flow Mcfd @ 14.6			65 psia		Deliverabili	Deliverability		Mcfd @ 14.65 ps		ia				
		ned authority, rein, and that									rt and that he h	_	of	
										x				
		Witnes	s (if any)							For C	ompany			
		For Co	mmission				_			Chec	ked by			

Form G-2 (Rev. 7/03)

KCC WICHITA

I declare un	der penalty of perjury under the laws of the state of Kansas that I am authorized to request						
exempt status ur	der Rule K.A.R. 82-3-304 on behalf of the operator Osage Resources, LLC						
and that the fore	going pressure information and statements contained on this application form are true and						
correct to the be	st of my knowledge and belief based upon available production summaries and lease records						
of equipment ins	allation and/or upon type of completion or upon use being made of the gas well herein named.						
I hereby requ	est a one-year exemption from open flow testing for the Osage 105						
gas well on the g	rounds that said well:						
(Chec	k 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						
I further agre	e to supply to the best of my ability any and all supporting documents deemed by Commission						
staff as necessa	y to corroborate this claim for exemption from testing.						
Tate: 10/3/2012							
Date: 10/3/2012							
Date: <u>10/3/2012</u>							
Date: <u>10/3/2012</u>							
Date: <u>10/3/2012</u>							
Date: <u>10/3/2012</u>	Rod undilu						
Date: <u>10/3/2012</u>	Signature:						
Date: <u>10/3/2012</u>	Rody, 11 Miller						

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.