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

Type Test	: en Flow				(	See Ins	tructio	ns on Rev	erse Side	)				
Deliverabilty			Test Date: 03/13/2014				API 007	00						
Company				03/10/20			Lease			20100 00 0	-	Well No	ımber	
Osage Resources  County Location				Section	Section			Osage TWP RNG		/w/\		Acres	Attributed	
Barber SW/4 NW/4				36			33 15		15W	RNG (E/W) 15W				
Field Aetna Gas Area				Mississi	Reservoir Mississippian			Gas Gathering Co Osage Gatherin		Gathering	ection			
Completion Date 07/19/2007				Plug Back Total Depth 5507										
Casing Size Weight 5.5 15.5				Internal Diameter 4.95			Set at 5392		Perforations 4792		To 4855			
Tubing Size Weight			Internal C	Internal Diameter			Set at F		Perforations					
		(Describe) d Sand Fra	c.		Type Flui Gas &					Pump U	nit or Traveling	Plunger? Yes	/ No	<del></del>
Producing Thru (Annulus / Tubing)				% C	% Carbon Dioxid			le % Niti		rogen G		Gas Gravity - G <sub>g</sub>		
Annulus Vertical D							Dressi	ure Taps	na candia di m			(Meter	Run) (F	Prover) Size
vertical D	epailin					·	16936	ile laps				(INICIO)	· iuii) (i	10ver) 312e
Pressure	Buildup:	Shut in 02	/20	2	0_14_at_1	2:00	(	AM (PM)	aken 02	2/21	20	14 at 4:00		(AM) (FM)
Well on L	ine:	Started		2	0 at		(	AM) (PM)	Taken		20	at		(AM) (PM)
_					-	OBSE	RVED	SURFACE	DATA			Duration of Shut-	-in	Hours
Static / Dynamic	Orifice Size	Meter	Circle one: Meter Prover Pressure		Flowing Temperature	Well He Tempera		Casing Wellhead Pressure		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>2</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
Property (inches)		psig (Pm)		in Inches H <sub>2</sub> 0	t	t	r	(P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia		psig	psia	(Houls)		
Shut-In								58						
Flow														
			·			FLOW	STRE	AM ATTRI	BUTES					
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mofd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P <sub>m</sub> x h	Gravity Factor F <sub>g</sub>		Flowing Temperature Factor F <sub>11</sub>		Fa	iation ctor : pv	Metered Flov R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravily G <sub>m</sub>
			$\dagger$					"						
					(OPEN FL	 OW) (DE	ELIVE	RABILITY)	CALCUL	ATIONS	<u> </u>	(P.)	) <sup>2</sup> = 0.3	J
P <sub>c</sub> )² =	:	: (P <sub>w</sub> )²	=	:	P <sub>d</sub> =		%	(P	P <sub>c</sub> - 14.4) +	14.4 = _	:	(P <sub>a</sub> )		
(P <sub>c</sub> ) <sup>2</sup> - (I or (P <sub>c</sub> ) <sup>2</sup> - (I	Ť	(P <sub>c</sub> )²- (P <sub>w</sub> )²		1. P <sub>c</sub> <sup>2</sup> -P <sub>c</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>c</sub> <sup>2</sup>	LOG of formula 1. or 2, and divide	formula 1. or 2, and divide   p 2 _ p		Siop Ass	ssure Curve ne = "n" or signed	l n x	roe	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
		· · · · · · · · · · · · · · · · · · ·	divid	ded by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub>	by:	<u></u>		Standa	ard Slope	_			-	
Open Flow Mcfd @ 14.65				65 psia	5 psia			Deliverability		Mcfd @ 14.65 psia				
The	undersigr	ned authority,	on b	ehalf of the	Company,	states th	at he	is duly au	thorized to	o make t	he above repo	ort and that he ha	as knov	wledge of
ne facts s	tated the	rein, and that	said	report is true	e and correc	t. Exec	uted t	his the	<del></del>	day of _			,	20
		bath.	<i>r:</i>				_	_				D) (1)		Received
		Witness	(if an	y)							For	Company KANS		PORATION COMM
	•	For Con	missi	on			_				Che	cked by	JUN	1 <del>-0 6-201</del> 4

I dec	slare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt s	tatus under Rule K.A.R. 82-3-304 on behalf of the operator Osage Resources, LLC
and that	the foregoing pressure information and statements contained on this application form are true and
correct to	the best of my knowledge and belief based upon available production summaries and lease records
of equipr	nent installation and/or upon type of completion or upon use being made of the gas well herein named.
I her	eby request a one-year exemption from open flow testing for the Osage 106R
gas well	on the grounds that said well:
	(Charle and
	(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 furt	her agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as r	necessary to corroborate this claim for exemption from testing.
Date: <u>05</u>	5/21/2014
	Signature: Sumalak
	Title: Land Administrator

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.

Received KANSAS CORPORATION COMMISSION

JUN 0 6 2014