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

Type Test	t:				(	See Instruct	lions on Rev	erse Side	)				
<b>√</b> Op	en Flo	w			Took Date	_			ADI	No. 15			
De	liverab	ilty			Test Date 7/20/201					189-20858 •	0000		
Company		Oper	ating, L.L.C	<del></del>			Lease Grant Mo	orrell		<u> </u>	1-23	Well Number	
County Stevens	}		Locati 4945 FS	on L & 4987 FEL	Section 23		TWP 32S		RNG (E/ 36W	W)		Acres Attribute	-
Field Moscow	,				Reservoir	-				hering Conn Field Service		SUN 05 RECEIVE	 //^
Completion 9/12/198		e			Plug Bac 6323	k Total Dept	lh		Packer S	et at		JUN 05	201
Casing S 5.5	lize	_	Weigh 15.5	t	Internal E 4.950	Diameter	Set at 6600		Perfo. 596	rations	To 6004	RECEIV	<del>(U)</del> '~~
Tubing S	ize		Weigh	t	Internal E	Diameter	Set at		Perfo	rations	То	<b>-</b>	₹0
2.875 Type Cor		- /D:	6.5		2.441	d Draduction	6254	-	Burno He	it or Travalina	Dlungor? Ven	/ No	
Single 2	Zn - 0	as	·		Water	d Production	1		Pump		•		
	_	(Anr	nulus / Tubin	g)	% C	arbon Dioxi	de		% Nitrog	en	Gas G	avity - G	
Annulus Vertical E	_	D				Pres	sure Taps				(Meter	Run) (Prover) S	ize
6600		•									<b>\</b>		
Pressure	Buildu	p:	Shut in	9 2	0 14 at 8	:00	(AM) (PM)	Taken_7/	20	20	14 at 8:00	(AM) (PM	vI)
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken	<del>_</del>	20	at	(AM) (PA	vI)
_			•			OBSERVE	D SURFACE	DATA			Duration of Shut	H	lours
Static / Dynamic Property	Orifi Siz (inch	8	Circle one: Meter Prover Pressi	Pressure Differential in	Flowing Temperature	Well Head Temperature t	Casii Wellhead F (P <sub>w</sub> ) or (P	Pressure	Wellhe	ubing ad Pressure (P <sub>c</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Product (Barrels)	ed
Shut-In	(1.1011	991	psig (Pm)	Inches H <sub>2</sub> 0	•	`	psig 128	psia 142.4	psig 120	134.4	24		
Flow					-					<del>-</del>		1	
						FLOW STR	EAM ATTRI	BUTES	·	<del></del>	. <u> </u>		
Plate Coeffied (F <sub>b</sub> ) (F	ient ,)	Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P <sub>m</sub> xh	Grav Fact F <sub>g</sub>	tor 1	Flowing remperature Factor F <sub>11</sub>	Fa	lation ctor : pv	Metered Flow R (Mcfd)	y GOR (Cubic Fe Barrel)	Gravit	ity
							<u>-</u>						
/D.\2		_	/D \2		•	• •	ERABILITY)					$r^2 = 0.207$	
(P <sub>c</sub> ) <sup>2</sup> =		<u>- '</u>	(P <sub>w</sub> ) <sup>2</sup> =	Chaose formula 1 or 2.		<del></del> `	T	<sub>e</sub> - 14.4) + sure Curve		<del></del>	(P <sub>d</sub> )		
(P <sub>c</sub> ) <sup>2</sup> - (r or (P <sub>c</sub> ) <sup>2</sup> - (r		(F	°,)2- (P <sub>#</sub> )2	<ol> <li>P<sub>c</sub><sup>2</sup> - P<sub>a</sub><sup>2</sup></li> <li>P<sub>c</sub><sup>2</sup> - P<sub>d</sub><sup>2</sup></li> <li>divided by: P<sub>c</sub><sup>2</sup> - P<sub>w</sub><sup>2</sup></li> </ol>	LOG of formula 1, or 2, and divide by:	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Slope	sule cuive e = "n" origned ird Slope	l n x 1	.og	Antilog	Open Flow Deliverability Equals R x Ant (Mcfd)	У
								•				<u> </u>	
Open Flo	w			Mcfd @ 14.	65 psia		Deliverabi	lity	_		Mcfd @ 14.65 ps	ia	
		-		n behalf of the			•			-	rt and that he ha	=	f 
			Witness (	f any)		·	_			For C	Company		
			For Comm	ission			_			Chec	cked by		

exempt status und and that the fore correct to the bes of equipment insta	der penalty of perjury under the laws of the state of K der Rule K.A.R. 82-3-304 on behalf of the operator <u>Che</u> going pressure information and statements contained at of my knowledge and belief based upon available pro- callation and/or upon type of completion or upon use be dest a one-year exemption from open flow testing for the	esapeake Operating, L.L.C.  d on this application form are true and oduction summaries and lease records ing made of the gas well herein named.
	rounds that said well:	
_	is a coalbed methane producer is cycled on plunger lift due to water is a source of natural gas for injection into an oil rese is on vacuum at the present time; KCC approval Doc is not capable of producing at a daily rate in excess the to supply to the best of my ability any and all support ty to corroborate this claim for exemption from testing	cket No of 250 mcf/D rting documents deemed by Commission
Date: <u>5/11/2015</u>		
	Signature:	JMMX egulatory Analyst

## 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.