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

Type Tes	t;	4			(	See Instruc	ctions on Rev	verse Side	<del>)</del> )				
✓ Or	en Flo	w			Test Date	a·			API	No. 15			
De	eliverat	oilty			7/19/20					189-20490 -	-0000		
Company Chesapeake Operating, L.L.C.						Lease Brown	Lease Brown K Unit		2-9			Well Number	
County Location Stevens 3960 FSL & 3960 FEL				Section 9		TWP 33S			RNG (E/W) 36W		Acres Attributed		
Field Walker	neye	r			Reservoi <b>Morro</b> v					thering Conn Field Service		KC	C Inc.
Completi 7/17/80		te			Plug Bac 6177	k Total Dep	oth:		Packer (	Set at		JUN	-VIC
Casing S 5 1/2	ize	-	Weigh	nt	Internal [	Diameter	Set a 6200		Perfo 601	rations 2	то 6022	REC	C WICI
Tubing S	ize		Weigh	nt	Internal [	Diameter	Set a	ıt	Perfo	rations	То		ENED
Type Cor <b>Gas</b>	npletio	n (D	escribe)		Type Flui	d Production	PN		Pump Ui Plunge	nit or Traveling er	g Plunger? Yes	/ No	
	g Thru	(An	nulus / Tubin	g)	% C	% Carbon Dioxide			% Nitrogen Gas G			ravity - G <sub>g</sub>	
Casing	<del></del>		_										
Vertical E	)epth(l	<del>1</del> )				Pres	ssure Taps				(Meter	Run) (Pri	over) Size
Pressure	Buildu	p:	Shut in	82	0_14_at_8	:00	(AM) (PM)	Taken_7/	19	20	14 at 8:00	(/	
Well on L	.ine:	11	Started	2	0 at		. (AM) (PM)	Taken		20	at	(	M) (PM)
		_				OBSERVE	D SURFACE	DATA			Duration of Shut-	in_24	Hours
Static / Dynamic Propérty	Orifi Siz (inch	e	Circle one: Meter Prover Pressi psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	(P <sub>w</sub> ) or (P <sub>t</sub>	Pressure ) or (P <sub>c</sub> )	Wellhe	Tubing rad Pressure $(P_t)$ or $(P_g)$	Duration (Hours)		Produced arrels)
Shut-In	<u> </u>		poig (i iii)	110,000 1120			122	psia 136.4	psig 122	136.4	24	_	
Flow													
						FLOW ST	REAM ATTRI	BUTES			<del></del> +		
Plate Coeffied (F <sub>b</sub> ) (F Mofd	ient	Pro	Circle one: Meter or over Pressure psia	Press Extension √ P <sub>m</sub> x h	Grav Fact	tor	Flowing Temperature Factor F <sub>ft</sub>	Fa	iation ctor .pv	Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>
								<u> </u>					
(P <sub>c</sub> ) <sup>2</sup> =			(P <sub>w</sub> ) <sup>2</sup> =	,	•		<b>/ERA</b> BI <b>LITY)</b> % (P		ATIONS 14.4 =			² = 0.20 ² = _	7
(P <sub>a</sub> ) <sup>2</sup> - (I	P <sub>a</sub> ) <sup>2</sup>		P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2.  1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Backpres Stop Ass	sure Curve e = "n" or signed ard Slope	n x		Antilog	Ope Deliv Equals	en Flow verability R x Antilog Vocfd)
Open Flor	w			Mcfd @ 14.	65 psia		Deliverabi	lity			Mcfd @ 14.65 psi	a	
		_	* "	n behalf of the	- •					-	rt and that he ha		•
•			Witness (I	( any)						For C	Company		
			For Comm	lssion			_			Chec	ked by		

	•	
	penalty of perjury under the laws of the state of Kansas that I am auth Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating,	•
	ing pressure information and statements contained on this application f	
-	f my knowledge and belief based upon available production summaries a	
	ation and/or upon type of completion or upon use being made of the gas w	
• •	t a one-year exemption from open flow testing for the Brown K Unit 2-9	on noron married.
gas well on the grou		
(Check o	ne)	KCC WICHIT JUN 0'5 2015 RECEIVED
·	s a coalbed methane producer	IIIA VVICAIN
	s cycled on plunger lift due to water	05 2015
	s cycled on plunger an due to water	RECENT
	s a source of natural gas for injection into an oil reservoir undergoing ER	LIVED
	s on vacuum at the present time; KCC approval Docket No	
<b>✓</b> 1	s not capable of producing at a daily rate in excess of 250 mcf/D	
_	o supply to the best of my ability any and all supporting documents deer o corroborate this claim for exemption from testing.	med by Commission
Date: 5/11/2015		
	·	
	Signature: Kutú Wugut	
	Title: Katie Wright, Regulatory Analyst	
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## 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.