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

Type Test	:		OIL	FOINT 3		(See Instruc				LNADILII	I ILSI		
= '	en Flo				Test Date	e:			API	No. 15			
Deliverability 9/7/2013										9-22516 - 0	1000		
Company Chesap		e O <sub>l</sub>	perating, I	nc.			Lease Brown	ı				Well Number 3-9	
County Location Stevens C SW/4					Section 9			TWP RNG (E/W) 33S 36W		/W)		Acres Attributed	
<sup>Field</sup> Walken	neye	·r			Reservoir Morrow			Gas Gathering Con OneOK Energy So				KS	
Completion Date 7/12/2006					Plug Bad	k Total Dep	th		Packer S	Set at			
Casing Si 5 1/2"	ze	Weight 17.0#			Internal ( 4.95"		Set 6,4		Perforations 6,070' - 6,074'		To 6,080' - 6,090'		
Tubing Si 2.875"	Zθ	Weight 6.5#		it	Internal I 2.441"		Diameter Set a 6,07		Perforations		То		
Type Completion (Describe) Single - Gas					Type Fluid Production Water			Pump Unit or Traveling Yes - Plunger Lif					
Producing Thru (Annulus / Tubing) Tubing				g)	% C	Carbon Dioxí	de		% Nitrogen		Gas Gravity - G <sub>g</sub>		
Vertical Depth(H) 6,080'					Pressure Tap Flange			ips			(Meter	(Meter Run) (Prover) Size	
Pressure	Buildu	ıp:	Shut in 9/6		0 13 <sub>at</sub> 7		<del>-</del>	· Taken 9/	7	20	13 <sub>at</sub> 7:30	(AM) (PM)	
Well on Li		•										(AM) (PM)	
	-					OBSERVE	D SURFAC	E DATA			Duration of Shut-	in Hours	
Static / Dynamic Property	c Size		Circle one: Meter Prover Pressure psig (Pm) Pressure in Inches H,0		Flowing Well Head Temperature Temperature t t		(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Ouration (Hours)	Liquid Produced (Barrels)	
Shut-In							psig 127	psia 141.4	psig 126	140.4	24		
Flow													
<u>-</u>				F -	<del></del>	FLOW STR	EAM ATTE	IBUTES					
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Metler or Prover Pressure psia		Press Extension ✓ P <sub>m</sub> x h	Grav Faci F <sub>c</sub>	tor	Flowing Femperature Factor	I Deviation		Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)	Constitut I	
										_			
(P <sub>c</sub> )² =		:	(P <sub>w</sub> ) <sup>2</sup> =	:	(OPEN FLO	OW) (DELIV		) CALCUL			(P <sub>a</sub> ); (P <sub>d</sub> );	<sup>2</sup> = 0.207 <sup>2</sup> =	
$(P_c)^2 \cdot (P_a)^2$ or $(P_c)^2 \cdot (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	LOG of formula 1, or 2, and divide	P <sub>2</sub> - P <sub>2</sub> <sup>2</sup>	Backpressure Curve Slope = "n"or Assigned			_og	Antilog	Open Flow Deliverability Equals R x Antilog	
				divided by: P.2 - P.2	by:		Stand	lard Slope			···	(Mcfd)	
				-									
Open Flow Mcfd @ 14.65 psia						Defiverability Mcfd @ 14.65 psia							
											rt and that he ha		
ne facts sta	ated th	nereir	n, and that sa	id report is true	and correct	t. Executed	this the _1	<u> </u>	day of O	Clober		, 20 <u>13</u> .	
			Witness (if	anu)	•	<del></del>	_				KANSAS	RECEIVED CORPORATION COM	
	·		For Commi		<del>-</del>		-				cked by	OCT 2 3 201	

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	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc.
and that the foregorrect to the bes	joing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named.
	est a one-year exemption from open flow testing for the Brown 3-9
	ounds that said well:
(Check	one)
	is a coalbed methane producer
7	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
	to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: 10/15/2013	<del></del>
	Signature: Signature

## 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 foregree be signed and dated on the front side as though it was a verified report of annual test results. KANSAS CORPORATION COMMISSION