KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test					((See Instru	uctions on R	everse Sia	le)					
$=$ \cdot	en Flov liverabi				Test Date 9/21/20					1 No. 15 9-20700 - 0	000			
Company					312 1120	13	Lease		10	3-20100 - 0		Well N	umber	
Chesapeake Operating, Inc. County Location				Section				Ratcliff WP RNG (E/W)		3-17 Acres Attributed		Attributed		
Stevens	•			17		338	33S 3				ACICS	Attributou		
Field Gentzler				Reservoi Morrow			Gas Gathering (OneOK Energy							
Completion Date 5/13/1984				Plug Bac	k Total De	epth		Packer	Set at					
Casing S 5.5	asing Size Weight			Internal I 4.950	Diameter		Set at 6220		orations 34	т _о 6080 (ОА)				
	ubing Size Weight			ht	Internal Diameter 1.995		Set	Set at 6034		orations	To			
Type Completion (Describe) Oil + Gas) Single				Type Flui	id Product		Pump Unit or Trav			eling Plunger? Yes / No				
			ulus / Tubir	ng)		Oil/Water % Carbon Dioxide			Pump Unit % Nitrogen			Gas Gravity - G		
Annulus														
Vertical D 6225	epth(H))				Pre	essure Taps				(Mete	er Run) (F	Prover) Size	
Pressure	Buildun); S	Shut in 9/2	20 ,	13 _{at} 0	7:00	(AM) (PM	Taken 9	/21	20	13 at 07:00	0	(AM) (PM)	
Well on L											at		, ,, ,	
				· ·			/ED SURFAC						<u></u>	
Static /	Orific	Size Meter Ches) Prover Pressur		Pressure	Flowing	Well Hear	d Ca	Casing		Tubing	Duration of Sh	ut-in	I	
Dynamic Property	Size (inche				Temperature t	Temperature t	wellhead	d Pressure P ₁) or (P _c)	1	ead Pressure or (P _r) or (P _c)	Duration (Hours)	1 '	Liquid Produced (Barrels)	
Shut-In	-		psig (Pm)	Inches H ₂ 0	į		psig 4	psia 18.4	psig 44	psia 58.4	24			
Flow		\dashv					-	-	 '''	- 00.4	27			
					<u> </u>	FLOW S	TREAM ATT	RIBUTES				<u> </u>		
Plate Circle one: Press				Grav	Gravity Flowin			wing Deviation Meter		w GO	R	Flowing		
Coeffied (F _b) (F	,)	Meler or Prover Pressure		Extension ✓ P _m x h	Fac		Temperature Factor	Factor Fact		R (Mcfd)	(Cubic Barre	Feet/	Fluid Gravity	
Mcfd	Meid		psia 'm'				F _{ii}						G _m	
				<u> </u>	(OPEN FL	OW) (DEL	IVERABILIT	V) CALCIII	ATIONS	<u> </u>			<u> </u>	
P _c) ² =		ζ:	(P _*)² =	=:	P _d =			P _o - 14.4)		:		$(a_1)^2 = 0.3$ $(a_1)^2 = 0.3$	207	
(P _e)²- (f)2	(P _c) ² - (P _w) ²		Choose formula 1 or 2	LOG of			Backpressure Curve Slope = "n"					Open Flow Deliverability Equals R x Antilog	
or (P _e)² - (F)2			2. P _c ² -P _d ²	1. or 2. and divide	and divide p2_p2		Assigned		LOG	Antilog			
				divided by: P _c ² -P _w	2 by:	_ · *] Stan	dard Slope					(Mcfd)	
												-		
Open Flov	L			Mcfd @ 14	65 nsia		Delivera	hility			Mcfd @ 14.65 p			
		ned	authority o		·····	states that			to make 4		ort and that he		uladaa af	
				aid report is tru							птано пат пе I		vieage of 20 <u>13 </u>	
			_	•									RECEIVED	
			Witness	if any)						For	Company KANS	SAS CORF	PORATION CO	
			For Comr	nisslon	8-4					Che	cked by	- በሶ	T 2 3 20	

	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc.											
	t the foregoing pressure information and statements contained on this application form are true and											
	to the best of my knowledge and belief based upon available production summaries and lease records											
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the Ratcliff 3-17												
	on the grounds that said well:											
	(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											
	To the capable of producing and daily falls in oxocos of 250 mones											
l fui	ther agree to supply to the best of my ability any and all supporting documents deemed by Commission											
staff as	necessary to corroborate this claim for exemption from testing.											
Date: _1	0/17/2013											
	Signature! Dunk Char down											

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