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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:		ONE		ONVI 3				ions on Re			EHABILII	TIES	•		
	en Flow				Test Date) ;				AP	l No. 15	•			
Deliverabilty				9/09/20	9/09/2013					03321349 - 0000					
Company Chesapeake Operating, Inc.				Lease Pierce				Well Number 8-27					mber		
County Location Comanche SW NE			Section 27			TWP 32S		RNG (E 19W	RNG (E/W) 19W			Acres A	ttributed		
Field Bird East			Reservoir Mississippian/Viola/Altamont Lime				Gas Gathering Connection OneOk Energy Service								
Completion Date 4/9/03			Plug Back Total Depth 5755'					Packer Set at							
Casing Size Weight 5 1/2" 15.5				Internal Diameter 4.950			Set at 5989			Perforations 5130		то 5207			
Tubing Size Weight 2.7/8" 6.5				Internal Diameter			Set at 5100		Perf	Perforations		То			
ype Com	pletion	(Describe)			Type Flui			1		Pump U	Init or Traveling	Plunger?	(Pas)	/ No	
Gas) Comminated Producing Thru (Annulus / Tubing) Annulus				% Carbon Dioxide					% Nitro			Gas Gravity - G			
/ertical De						F	Press	sure Taps					(Meter l	Run) (P	rover) Size
985 Pressure I	Buitduo	Shut in 9/	8	2	13 _{at} 8			(AM) (PM)	Taken 9/	/9	20	13 , 8	3		AM) (PM)
Vell on Li	•										20				
						OBSE	RVE	D SURFAC	E DATA			Duration	of Shut-	-in 24	Hours
Static / Dynamic Property	Orifice Size (inches) Circle one: Meter Prover Pressure psig (Pm)		Pressure Differential in	rential Flowing Temperature		ead Nure	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		(P _w)	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In		paig (riii	,	Inches H ₂ 0				105	119.4	psig 65	79.4	24			
Flow													-		
			1			FLOW	STR	EAM ATTR	RIBUTES		1				
Plate Coefficeient (F _b) (F _p) Mofd		Circle one: Meter or Prover Pressure psia		Press Extension	ion Fact		Т	Flowing emperature Factor F _{II}	Fa	viation actor F _{pv}	Metered Flow R (Mcfd)	1	GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G _m
	<u> </u>				(OPEN FL	OW) (DE	ELIVI	ERABILITY	/) CALCUI	ATIONS		l	47.		
P _c) ² =		: (P _w) ²	=	:	P _d =		9	% (I	· P _c - 14.4) +	+ 14.4 = <u>_</u>	<u>:</u>		(P _a)	2 = 0.2 2 =	07
$(P_e)^2 - (P_a)^2$ or $(P_e)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		ose formula 1 or 2: 1. P _c ² - P _s ² 2. P _c ² - P _c ² led by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by:		2	Backpressure Curv Slope = "n" or Assigned Standard Slope				Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
				, ,								1		-	
Open Flow	<u> </u>			Mcfd @ 14.0	65 neia			Deliverat	sility			Motel @ 1	4.65 pp	<u> </u>	
												Mcfd @ 1			
		ned authority, erein, and that								to make t	he above repo October	<u>.</u>		, : RECE	20 13
		Witness	(If any	y)			_	-			For (Company			
		For Corr	missio	on			_	-			Che	cked by	U	UI 4	3 2013

	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.									
	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.									
l her	eby request a one-year exemption from open flow testing for the Pierce 8-27									
gas well	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									
l furt	her agree to supply to the best of my ability any and all supporting documents deemed by Commission									
	necessary to corroborate this claim for exemption from testing.									
Date: 10	/18/2013									
	Signature: Saun Zichardon									
	Title: Dawn Richardson, Associate Regulatory 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.

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KANSAS CORPORATION COMMISSION