

## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	:	ON	E POINT S			ictions on R			ENABILIT	1 1231		
= '	en Flow			Test Date	⊖:			API	l No. 15			
	Deliverability 9/09/2013							03	3-20397 -			
Company Chesap	ompany Chesapeake Operating, Inc.					Lease Pierce				Well Number 1-27		
County Comacl	County Location Comache C E/2 SW			Section 27		TWP 32S			RNG (E/W) 19W		Acres Attributed	
Field Bird East			Reservoi				Gas Ga	thering Conn				
Completion Date				k Total De	pth		Packer	Energy Ser	vice			
03/11/8 Casing Si	3/11/81 asing Size Weight			5240 Internal I	Diameter	Set	Set at F		orations	То		
4.5	5 10.5#			4.052	D'amata.	524	5240'		0	5148	***	
2.375	ubing Size Weight 4.7#			Internal I 1.995	Diameter		Set at Perforations 5000'		prations	То		
Type Com Gas	ype Completion (Describe)			Type Fluid Production				Pump Unit or Traveling Plum No			/ No	
-	Producing Thru (Annulus / Tubing)				% Carbon Dioxide			% Nitrog	gen	Gas Gravity - G		
Tubing Vertical D	epth(H)				Pre	essure Taps	·		water	(Meter	Run) (Prover) Size	
6160			0	40 1	4	<del></del> -						
				) 13 at 11 (AM) (PI								
Well on Li	ine:	Started	2	0 at		_ (AM) (PM)	Taken		20	at	(AM) (PM)	
		<b>-</b>			OBSERV	ED SURFAC	E DATA		-	Duration of Shut-	in 24 Hour	
Static / Dynamic	Orifice Size	ze Meter Differ		Flowing Temperature	Well Head	Wellhead	sing I Pressure			Duration	Liquid Produced	
Property	(inches)	psig (Pm		t	1	(P <sub>w</sub> ) or (	P <sub>t</sub> ) or (P <sub>e</sub> ) psia	(P <sub>w</sub> ) o	r (P <sub>t</sub> ) or (P <sub>c</sub> )	(Hours)	(Barrels)	
Shut-In						0	14.4	168	182.4	24		
Flow												
Plate		Circle one:	1 _	-	FLOW ST	REAM ATT	RIBUTES	·		<u> </u>		
Coeffieci	ent	Meter or Extension		Gravity Factor		Temperature		Peviation Metered Flor Factor R		v GOR (Cubic Fe	Flowing Fluid	
Mcfd	·'   -	psia -	✓ P <sub>m</sub> xh	F,	,	F <sub>11</sub>		F <sub>pv</sub> (Mcf		Barrel)	Gravity G <sub>m</sub>	
P <sub>c</sub> )² =	:	(P <sub>w</sub> )²	<b>=</b> :	(OPEN FLO		VERABILITY % (	<b>/) CALCUL</b> P <sub>c</sub> - 14.4) +			(P <sub>a</sub> ) <sup>*</sup> (P <sub>d</sub> ) <sup>*</sup>	<sup>2</sup> = 0.207	
(P <sub>c</sub> )² - (P	1)2 //	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2:	LOG of		Backpro	essure Curve			(F <sub>d</sub> )	Open Flow	
or (P <sub>c</sub> ) <sup>2</sup> - (P	ı	$(P_c)^2 - (P_w)^2$ 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$		formula 1. or 2.		Slope = "n" or Assigned		n x l	LOG	Antilog	Deliverability Equals R x Antilog	
	<u> </u>		divided by: Pc2 - Pg2	by:	P <sub>2</sub> · P <sub>*</sub>		dard Slope				(Mcfd)	
<del></del>	<del></del>			-		-						
Oner Flori			14-61-0-23	<u> </u>								
Open Flow			Mcfd @ 14.6			Deliverat				Mcfd @ 14.65 psi		
			on behalf of the said report is true							rt and that he ha	-	
io iduis siè	ared mere	m, and mails	saiu report is true	anu correct	. ⊏xecute	u tris the <u>'</u>		day of			, 20 <u>13</u> .	
		Witness	(if any)			-	·		For C	ompany KANSAS	RECEIVED S CORPORATION CO	

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc and that 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 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 Pierce 1-27  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.   vising it is not capable of producing at a daily rate in excess of 250 mct/D  I further agree to supply to the best of my ability any and all supporting documents deemed by Commissionstaff as necessary to corroborate this claim for exemption from testing.  Signature: Dawn Richardson, Associate 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.