KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	l:				{·	See Instruct	uons on He	verse Side	?)					
= '	pen Flow Test Date: eliverability 8/19/12								API 15-	No. 15 075-30113 •	-00-00			
Company Chesape		Oper	rating, Inc.		<u> </u>		Lease Thielen					Well No 1-27	umber	
ounty Location amilton E/2 SE NW					Section 27		TWP 22S			RNG (E/W) 41W		Acres Attributed		
Field Bradshaw					Reservoir Winfield				Gas Gathering Con Chesapeake Ener		ıv Marketing, Inc.		Dr.	
Completion Date					Plug Bac 2634	k Total Dept	th	Packer S		Set at				
asing S	asing Size 5		Weight 14.0		Internal Dian 5.012		Set at 2636		Perforations 2612		To 2612 /		SER WILL	
ubing Size		Weight 4.7		+	Internal Diamete 1.995		Set at 2628		Perforations		То		CLIVIC	
ype Completion (Describe) Single Gas				Type Flui Water	d Production	n		Pump Unit or Traveli Pump Unit		ng Plunger? Yes / No				
Producing	-	(Ani	nulus / Tubing		% C	arbon Dioxi	de		% Nitrog	jen	Gas	aravity -	G,	
ertical D	-	H)				Pres	sure Taps				(Mete	r Run) (F	Prover) Size	
Pressure	Build	up:	Shut in8/19	2	0_12 at_8	АМ	(AM) (PM)	Taken_8/	20	20	12 at 8 AM		(AM) (PM)	
Vell on L	ine:		Started	20	0 at		(AM) (PM)	Taken _		20	at		(AM) (PM)	
						OBSERVE	D SURFAC	E DATA			Duration of Shu	ıt•in _	Hou	
Static / lynamic roperty	amic Size perty (inches		Circle one. Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature Temperatur t t		(P ₊) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P_u) or (P_1) or (P_c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			paig (Fili)	Inches H ₂ O			psig 66	80.4	psig 88	102.4	24			
Flow														
			·····	•••		FLOW STR	REAM ATTR	IBUTES			 -			
Plate Coefficient (F _p) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m x h	Grav Fac	tor .	Flowing Temperature Factor F ₁₁		riation actor _{pv}	Metered Flor R (Mctd)	W GOF (Cubic F Barre	FeeV	Flowing Fluid Gravity G _m	
													<u> </u>	
)² =		:	(P _w)² =	:	-	OW) (DELIV) CALCUL 2 - 14.4) +		:		$\binom{1}{4}^2 = 0.3$	207	
$(P_e)^2 - (P_a)^2$ or $(P_d)^2 - (P_d)^2$			P _e)²- (P <u>u</u>)²	1. P _c ² - P _s ² 2. P _c ² - P _s ² Midded by: P _c ² - P _s ²	LOG of formula 1. or 2, and divide		Backpre Slo As	ssure Curve pe = "n" - or signed ard Slope	пх	LOG	Antilog	De	Open Flow Deliverability Equals R x Antilo (Mcfd)	
Open Flow Mcfd @ 14.65 psia					65 psia		Deliverat	ility	Mcfd 14.65 psia					
			d authority, on								ort and that he i		vledge of	
			Witness (If	влу)						For	Company			
			For Commi	sion			-			Che	cked by			

SEP 0 7 2012

MOC MUCHTA

KCC WICHIIA
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
gas well on the grounds that said well:
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 I further 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: 9/6/12
Signature: <u>Allthor Loubre</u> Title: <u>Aletha Dewbre, Regulatory Specialist I</u>

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.