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

ype Test	:					(	See Instruc	tions on He	verse Side	e)					
	en Flov					Test Date	<b>)</b> :			AP	l No. 15				
Del	iverab	ilty				9/17/12				12	9-20808 -	00-00			
Company Chesap		op	perating,	Inc				Lease Breedi	ing			1-24	Wel⊩Nu	umber	
County Locat Morton C SE				۸/	Section 24	Section 24		TWP 31S		/W)		Acres Attributed			
Field			C SE SW			Reservoir					thering Conn	ection	RECEIVE		
Kinsler				Morrov				DCP Midstream Marke			NOV 0				
Completion Date 8/8/86						Plug Back Total Depth 5094		th	Packe		r Set at				
Casing Size 5-1/2			Weight 15.5			Internal C 4.950	Diameter	Set at 5198		Perforations 5040		то 5056	K	KCC WIC	
Fubing Size			Weight			Internal C	Internal Diameter		Set at		orations	То		<del></del>	
2-7/8 6.: Type Completion (Describe)						2.441 Type Flui	d Productio		5084  Pump Unit or Travelir		Plunger? Yes / No				
Single Gas				Water				Pump Unit							
_		(Anr	nulus / Tubir	ıg)		% C	arbon Diox	ide		% Nitro	gen	Gas G	ravity -	G <sub>g</sub>	
Annulus Vertical Depth(H)					Pressure Taps					(Meter	Run) (F	Prover) Size			
200											<del>-</del>				
Pressure Buildup:		p:	Shut in 9/17		20_12 at_1		1 (AM) (PM) Taken		Taken 9	/18 20 1		12 at 11		(AM) (PM)	
Well on Line:			Started 20			) at		(AM) (PM)	AM) (PM) Taken		20	at	(AM) (PM)		
•••						······································	OBSERVE	D SURFAC	E DATA		•	Duration of Shut	24	Hours	
,		ce	e Circle one: Meter		Pressure	Flowing	Well Head	i	Casing		Tubing				
		Size Prover P				Temperature t	Temperature	Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>2</sub> )		i	ead Pressure or (P <sub>1</sub> ) or (P <sub>c</sub> )	Ouration (Hours)	Liquid Produced (Barrels)		
	(	psig (Pm		1	Inches H <sub>2</sub> 0	`	,	psig	psia	psig	psia		<del> </del>		
Shut-In								5	19.4	0	14.4	24	┷		
Flow												<u> </u>			
	<del></del>		<del></del>	-,	<del></del>	-	FLOW ST	REAM ATTR	RIBUTES		1			<del></del>	
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd			Circle one: Meter or Prover Pressure psia		Press Extension	Grav		Flowing Temperature	mporature Devi		Metered Flo			Flowing Fluid	
		Pro			√ P <sub>m</sub> xh	Fac	tor	Factor		actor F <sub>pv</sub>	R (Mcfd)	(Cubic Fo		Gravity	
						-		F <sub>f</sub> ,		<b>P</b> •				G <sub>m</sub>	
									<u>L</u>						
1.12			/B \2.			•	. ,	/ERABILITY	•			· a	$)^2 = 0.2$		
P <sub>c</sub> ) <sup>2</sup> =	Ţ	· ·	(P <sub>w</sub> ) <sup>2</sup>		ose formula 1 or 2.	P <sub>d</sub> =			P <sub>c</sub> - 14.4) +		<u> </u>	١٢٥	) <sup>2</sup> =		
$(P_c)^2 \cdot (P_s)^2$ or $(P_c)^2 \cdot (P_d)^2$		(F	$(P_c)^2 \cdot (P_w)^2$		1. P <sub>c</sub> <sup>2</sup> - P <sub>s</sub> <sup>2</sup>	LOG of formula		Backpressure Curve Slope = "n"or Assigned		n x	LOG	Antilog	ľ	Open Flow Deliverability Equals R x Antilog (Mcfd)	
					2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	1. or 2. and divide	P 2 P 2			-		Antilog	1 *		
				divid	ded by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	by:	ئے۔ کیا	Stand	dard Slope				┼	(110.0)	
<del></del>						+	<del> </del>				<del>- "</del>		-		
pen Flor	w				Mcfd @ 14.	65 psia		Deliverat	bility			Mcfd @ 14.65 ps	sia		
The t	unders	igned	d authority, o	on b	ehalf of the	Company, s	states that I	ne is duly a	uthorized		•	ort and that he h	as knov	wledge of	
e facts st	tated ti	herei	in, and that s	said	report is true	and correc	t. Executed	this the $\frac{8}{2}$		day of 1	November			20	
										/II	In.	1211		re-	
		•	Witness	(if an	y)			-		<i></i>	For	Company	<u> </u>		
			For Com	missi	on		and the state of t	-			Che	ecked by		<u> </u>	
			roi Goili	maso	ui:						One	rckeu by			

## NOV 0 9 2012

## KCC WICHITA

	e under penalty of perjury under the laws of the state of Kansas that I am authorized to request
xempt stati	us under Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc
nd that the	e foregoing pressure information and statements contained on this application form are true and
rrect to th	e best of my knowledge and belief based upon available production summaries and lease records
	nt installation and/or upon type of completion or upon use being made of the gas well herein named.
l hereby	request a one-year exemption from open flow testing for the Breeding 1-24
as well on	the grounds that said well:
,	Check one)
ζ,	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
	is not capable of producing at a daily rate in excess of 250 mc//b
l further	r agree to supply to the best of my ability any and all supporting documents deemed by Commission
	essary to corroborate this claim for exemption from testing.
40 1100	social to concession and significant to make the significant significant to the significa
44/0/	
ate: 11/8/	12
	Signature: Altha Lewbre
	Signature:
	Title: Aletha Dewbre, Regulatory Specialist I

## 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.