KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side)

Type Test:				ţ	see mstruc	tions on Re	verse Side	†)				
	n Flow			Test Date) :			API	No. 15			
Deliv	verabilty			7/19/20					189-20841 -	- 0000		
Company Chesapea	ake Ope	rating, L.L.C	•			Lease Blackn	ner Zella	3		1-7	Well Ni	ımber
County Location Stevens 1980 FSL & 660 FEL		Section 7				RNG (E/	W)			Attributed		
Field Hanke		Reservoir Morro v		•			thering Connection K Energy Service		KCC WIG.			
Completion Date 6/22/85		Plug Bac 6710	k Total Dep	th	n Packer		et at		JUN	ns a		
Casing Size			Internal Diameter 4.950		Set at 7025		Perforations 6378		To 6640	To RECEIVE		
Tubing Size	Tubing Size Weight		Internal Diameter 2.441		Set at 6682		Perforations		То		VET	
Type Completion (Describe) Gas			Type Fluid Production Oil/Water			Pump Unit or Traveling Plunger? Ye Pump Unit			s / No			
	Thru (An	nulus / Tubing)		arbon Diox	ide	_	% Nitrog		Gas (Gravity -	G,
An <u>nul</u> us										-1118		
Vertical Der 7040	pth(H)			•	Pres	sure Taps				(Mete	r Run) (P	rover) Size
Pressure Br	uildup:	Shut in 7/18	3 2	0_14_at_8	:00	(AM) (PM)	Taken_7/	19	20	14 _{at} 8:00		(AM) (PM)
Well on Line	e:	Started	2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)
					OBSERVE	D SURFACI	DATA			Duration of Shu	_{ut-in} _24	Hou
Static / Orlfice Meter Dynamic Size Prover Pre		Circle one: Meter Prover Pressur	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t Casing Wellhead Pres		Pressure) or (P _c)	(P_w) or (P_t) or (P_e)		Duration (Hours)		id Produced Barrels)
Shut-In		psig (Pm)	inches H ₂ U			psig 83	^{psia} 47.4	psig 0	14.4	24		
Flow												
		<u>-</u>			FLOW STE	REAM ATTR	BUTES		_			
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia Press Extension P _m x i		Gravity Factor F _g		Flowing Temperature Factor Fit Flowing Deviation Factor Factor Fpv		ctor	tor R		, GOR (Cubic Feet/ Barrel)	
							_					<u></u>
(P _a) ² =	:	(P)² =	:	(OPEN FLO		'ERABILITY) % (F	CALCUL - 14.4) +		:		a) ² = 0.2	107
(P _o) ² - (P _a) or (P _o) ² - (P _d)) ² (I	P _a) ² - (P _w) ²	1. P ₀ ² - P _a ² 2. P _c ² - P _d ²	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Backpres Slop 	ssure Curve e = "n" or signed	n x 1	og 7	Antilog	Del Equals	pen Flow liverability R x Antilog (Mcfd)
			fivided by: $P_c^2 - P_w^2$	by:	<u> </u>	Siands	ard Slope	-			_	,
Open Flow			Mcfd @ 14.6	55 psia		Deliverab	lity			Mcfd @ 14.65 p	sia	
The un	dersigne	d authority, on	behalf of the	Company, s	tates that h	e is duly au	thorized to	o make the	e above repo	rt and that he l	nas know	ledge of
e facts stat	ted there	in, and that sai	id report is true	and correct	t. Executed	this the		day of M	ay			₂₀ <u>15</u> .
		Witness (if	any)			-			For C	Сотрапу		
		For Commis	ssion			-			Chec	cked by		

		ws of the state of Kansas that I ar of the operator <u>Chesapeake Operator</u>	•
		atements contained on this applic	
correct to the bes	of my knowledge and belief base	d upon available production summ	naries and lease records
of equipment inst	ıllation and/or upon type of comple	etion or upon use being made of the	gas well herein named.
l hereby requ	est a one-year exemption from ope	en flow testing for the Blackmer Z	ella 1-7
	ounds that said well:		
			KCC WICKIT. JUN 115 2015 RECEIVED
(Check	one)		JUN 15 30
	is a coalbed methane producer		RECE:
	is cycled on plunger lift due to w	ater	LCEIVED
	is a source of natural gas for inje	ection into an oil reservoir undergo	ing ER
	is on vacuum at the present time	; KCC approval Docket No	
\checkmark	is not capable of producing at a	daily rate in excess of 250 mcf/D	
-	e to supply to the best of my ability to corroborate this claim for exe	y any and all supporting document mption from testing.	ts deemed by Commission
Date: <u>5/8/2015</u>			
	Signature	= Katel Wyi	wht
	•	e: Katie Wright, Regulatory Analy	

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.