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

Type Test	:				(	See Insi	tructio	ons on Re	verse Side	)						
	en Flow				Test Date	):				API	No. 15					
De	liverabilty	<u>'</u>			5/11/12					08	I-21445 <b>-</b>	00-00				
Company Chesap		Operating,	Inc.					Lease Brenna	an		·	2-	-24 W	ell Nun	nber	
County Location Haskell SE NE NE			Section 24						RNG (E/W) 33W		Acres Attributed					
				Reservoir Morrov		oke	Gas Gathering Conne e/Atoka Williams			ection						
				Plug Bac 5586	k Total [	Depth	1 .		Packer S	Packer Set at						
Casing Size Weight 5.5 15.5				Internal C	Internal Diameter 4.950			at O	Perfo	rations		то 5332				
Tubing Size Weight 2.875 6.5				Internal Diameter 2.441			Set at 5404			rations	То					
Type Completion (Describe)			Type Flui Water		ctlon		Pump Unit or Traveling Pump Unit			g Plunger? Yes / No						
Comming ed (Gas+Oil) Producing This (Annulus / Tubing)				arbon D	Dioxid	<del></del>						s Gravity - G <sub>g</sub>				
Annulus Vertical D					· · · · · ·	F	ress	ure Taps			<del></del> -	(M	eter Rı	un) (Pro	over) Size	
5620		Sh. 1 5/	10		. 12 7	:00		444	5/	11	20	12 7:0	00			
Pressure Well on Li	•	Shut in									20			,	M) (PM)	
								<u>.</u>	,					24		
<u> </u>		Circle one:	Pres	sure	<u> </u>		Т	SURFAC Cas		1	ubing	Duration of	Shut-in	<u></u>	Hours	
Static / Dynamic Property	Orifice Size (inches	Meter Prover Press	sure i	ential n s H <sub>o</sub> 0	Flowing Temperature t	Well Head Temperature t		Wellhead (P <sub>w</sub> ) or (F	Pressure	Wellhe	ad Pressure $(P_t)$ or $(P_c)$	Duration (Hours)	Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	<del>, .</del>	pary (i iii	Inche	3 1120			22 36.4 15 29.4			24						
Flow																
					·	FLOW	STRE	EAM ATTR	IBUTES							
Plate Coeffleci (F <sub>b</sub> ) (F Mcfd	ent )	Circle one: Meter or Prover Pressure psla		ss nsion x h	Gravity Factor F		Flowing Temperature Factor F <sub>ri</sub>		Deviation Factor F <sub>p</sub> ,		Metered Flow R (Mcfd)	GOR (Cubic Fee Barrel)		,	Flowing Fluid Gravity G	
		•														
(P₀)² =		: (P <sub>w</sub> )²	=	:	(OPEN FL		ELIVE %		') CALCUL P <sub>c</sub> - 14.4) +		:		$(P_a)^2 = (P_d)^2 = (P_d$	= 0.20 =	7	
(P <sub>a</sub> ) <sup>2</sup> - (f or (P <sub>a</sub> ) <sup>2</sup> - (f	- ):	(P <sub>a</sub> ) <sup>q</sup> - (P <sub>w</sub> ) <sup>p</sup>		2, P2-P3		LOG of formula 1, or 2, and divide by:		Backpressure Ci Slope = "n" or Assigned Standard Slop			LOG [	Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)		
												· 	$\dashv$			
Open Flo	w		Mcfd	<b>@</b> 14.	.65 psla			Deliverat				Mcfd @ 14.6	35 psia	<del></del>		
		ned authority,			<del></del>	states th	at he		· ·	o make th	*				edge of	
he facts s	tated the	rein, and that	said repor	is tru	e and correc	t. Execu	ute <b>d</b> 1	this the 8	th	day of J	une			, 2	0 12 .	
		Witness	(if any)	<del></del>			_	-		····-	Fort	Company		F	RECEIVE	
	<b>.</b>	For Corn					<del></del>	-				cked by		<del>- J</del> t	<del>©EUEIV</del> E IN 1 1 20 WICHI	
											-	•		Vo-	·	
													. 1	<b>Λ</b> ((	WICH	

exempt status und and that the fore correct to the bes of equipment insta	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Including pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named.
gas well on the gr	ounds 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 to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: June 8, 20	12
	Signature: Aletha Dewbre, Regulatory Specialist

Instructions:

١.

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 perminimum of 24 hours shut-in/punce.

SURFACE DATA. Shut-in pressure shall thereafter be repermediated to meet the eligibility criterion or until the claim of eligibility for each well continues to meet the eligibility criterion or until the claim of eligibility for each well continues to meet the eligibility criterion or until the claim of eligibility for each well continues to meet the eligibility criterion or until the claim of eligibility for each well continues to meet the eligibility criterion or until the claim of eligibility for each well continues to meet the eligibility criterion or until the claim of eligibility for each well continues to meet the eligibility criterion or until the claim of eligibility for each well continues to meet the eligibility criterion or until the claim of eligibility for each well continues to meet the eligibility criterion or until the claim of eligibility for each well continues to meet the eligibility for each well continues to meet the eligibility criterion or until the claim of eligibility for each well continues to meet the eligibility criterion or until the claim of eligibility for each well continues to meet the eligibility criterion or until the claim of eligibility for each well continues to meet the eligibility for each well continues the eligibilit At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a