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

Type Test	t:				€	See Instruct	tions on Rev	erse Side	)			•
<b>√</b> Op	en Flo	W	,		Test Date				ΛÐΙ	No. 15		
De	liverab	ilty			6/23/20°					129-21133 -	0000	
Company		Oper	ating, L.L.C				Lease Haywai	rd B	,		2-35	Well Number
County Morton		Location 3960 FSL & 1320 FEL		Section 35	,		TWP 31S		W)	Acres Attributed		
Field Kinsler			Reservoir Morrow			Gas Gathering Connection Chesapeake Energy Marketing, Inc.						
Completion 8/20/92		e			Pl∎g Baci 5775	k Total Dept	th ·		Packer S	et at	.*	
Casing Size 4.5			Weigh 10.5		Internal Diameter 4.052		Set at 5819		Perforations 5405		то 5748	
Tubing Size 2.375		Weight 4.7			Internal D 1.995	Diameter	Set at 5743		Perforations		То	<u> </u>
Type Cor Gas	npletio	n (De	escribe)	;	Type Flui Water	d Production	n		Pump Ur Pump		Plunger? Yes	/ No .
		(Anr	nulus / Tubing	)	% C	arbon Dioxi	de		% Nitrog	en .	Gas Gr	avity - G <sub>o</sub>
Annulus Vertical C		l)		<del></del>		Press	sure Taps		; ,	:	, (Meter i	Run) (Prover) Size
5820			0.00		4= 0	-00		5.4			45 0:00	
Pressure			Shut in6/22	•			(AM) (PM)			*	15 at 8:00	(AM) (PM)
Well on L	.ine:		Started	2	0 at	•	(AM) (PM)	Taken		20	at	
	, ·		Circle one:	Pressure		OBSERVE	D SURFACE		ı <u>-</u>		Duration of Shut-	in 24 Hours
Static / Dynamic Property	Dynamic Size		Meter Prover Pressu psig (Pm)	Differential	Flowing Well Head Temperature t t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psla		Tubing :  Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$ psig psia		Duration (Hours)	Liquid Produced (Barrels)
Shut-In							1 1	44.4	19	33.4	24	
Flow								-				
	<i>.</i> ·					FLOW STR	REAM ATTRI	BUTES				<u> </u>
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mofd		Pro	Circle one: Meter or over Pressure psia	Press. Extension	Extension Fact		tor Temperature		lation ctor pv	Metered Flor R (Mcfd)	v GOR (Cubic Fe Barrel)	et/ Flowing Fluid Gravity G_m
		·	•				•	<u></u>			:	
(P <sub>c</sub> ) <sup>2</sup> =			(P <sub>w</sub> ) <sup>2</sup> =		(OPEN FLO		'ERABILITY) % . (P	CALCUL 14.4) +		:	(P <sub>a</sub> ) (P <sub>a</sub> )	<sup>2</sup> = 0.207 <sub>1</sub>
(P <sub>c</sub> ) <sup>2</sup> - (	•	(F	P <sub>o</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2  1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_a^2$ divided by: $P_c^2 - P_a^2$	LOG of formula		Backpres Slop Ass	sure Curve e = "n" or igned ard Slope		rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
					•	•		·	-	. í		·
					<u></u>	<u> </u>	<u> </u>			<del>-</del>		
Open Flo		- :	· · · · · · · · · · · · · · · · · · ·	Mcfd @ 14.			. Deliverabi	<u> </u>		<del> : -</del>	Mcfd @ 14.65 psi	•
	•	_		n behalf of the	*	t. Executed				ne above repo	ort and that he ha	s knowledge of, 20 <u>15</u> .
	<u> </u>		Witness (I	any)	•		C 0 2 20		,	For	Company	,
			For Comm	Ission		<del></del>	DVATION DIVIS			· 'Che	cked by	

	स्तु द्वी हो र <del>१</del> ००
	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request t status under Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, L.L.C.
	at the foregoing pressure information and statements contained on this application form are true and
	to the best of my knowledge and belief based upon available production summaries and lease records
	pment installation and/or upon type of completion or upon use being made of the gas well herein named.
l h	ereby request a one-year exemption from open flow testing for the Hayward B 2-35
gas we	ll 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
	is not capable of producing at a daily rate in excess of 250 mcf/D
	orther agree to supply to the best of my ability any and all supporting documents deemed by Commissio
statt as	s necessary to corroborate this claim for exemption from testing.
Date:_	11/3/2015
	Signature: Jana Event
	Title: Sara Everett, Regulatory Analyst

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.