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

Type Test	<b>l:</b>				0	See Instruc	tions on Re	verse Side	*)					
✓ Open Flow				•			451		• •	•				
Deliverabilty				Test Date 6/23/201			API No. 15 15-129-10131 <b>- 0000</b>							
Company Chesapeake Operating, L.L.C.			Lease Slinker			Well Number 1-21				ımber				
County Morton			Location 1980 FSL & 3300 FEL		Section 21		TWP 31S		RNG (E/W) 40W		Acres Attribut		Attributed	
Field Hugoton						Reservoir Morrow		•		Gas Gathering Connect DCP Midstream Mark		÷		
Completion Date 6/19/53			·	·	Plug Bac 5569	Plug Back Total Depth 5569		າ		Packer Set at				
Casing Size 5.5			Weigh 14.0	t	Internal Diameter 5.012		Set at 5600		Perforations 4998		To 5002			
Tubing Size 2.875			Weigh 6.5	t	Internal D	Diameter	ameter Set at 5473		Perforations 5295		то 5 <b>2</b> 97			
Type Completion (I Single Gas					*	Type Fluid Production					Plunger? Yes / No		•	
Producing	g Thru (	(Ann	nulus / Tubing	3)		arbon Diox	ide		% Nitroge		Gas Gr	avity -	G <sub>g</sub>	
Annulus Vertical D		)		•		Pres	ssure Taps				(Meter	Run) (P	rover) Size	
2246 Pressure	Buildun		Shut in 6/2:	2 2	0 15 at 8	:00	(AM) (PM)	Taken 6/	/23	20	15 at 8:00		(AM) (PM)	
Well on Line:			Started											
<u>.                                    </u>						OBSERVE	ED SURFAC	E DATA			Duration of Shut-	in 24	Hours	
Static / Orifice Dynamic Size Property (inches)			Circle one: Meter Prover Pressu		Flowing Temperature t	Well Head Temperature t`	wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>o</sub> )		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			psig (Pm)	Inches H <sub>2</sub> 0			psig 5	psia 19.4	Q psig	14.4	24			
Flow			-			. :								
						FLOW STI	REAM ATTE	RIBUTES						
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension P <sub>m</sub> xh	tension Faci		Flowing Temperature Factor F <sub>ft</sub>	re Deviation Factor 干 <sub>pv</sub>		Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
			<u> </u>		(OPEN FL	OW) (DELIV	/ERABILITY	/) CALCUL	_ATTONS		(P.)	)² = 0.2	207	
(P <sub>c</sub> )² =:	· T	<u>:</u>	(P <sub>w</sub> ) <sup>2</sup> =	Choose formula 1 or 2	P <sub>d</sub> =			P <sub>c</sub> - 14.4) +		<u> </u>	(P <sub>d</sub> )	) <sup>2</sup> =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	<ol> <li>P<sub>c</sub><sup>2</sup> - P<sub>e</sub><sup>2</sup></li> <li>P<sub>c</sub><sup>2</sup> - P<sub>d</sub><sup>2</sup></li> <li>divided by: P<sub>c</sub><sup>2</sup> - P<sub>d</sub></li> </ol>	LOG of formula 1. or 2 and divide by:	P.2 - P.2	Backpressure Curve Slope = "n" or Assigned Standard Slope		n x lOG		Antilog	De Equal:	Open Flow Deliverability Equals R x Antilog (Mcfd)	
										•		-		
Open Flo				Mcfd @ 14	65 neia		Delivera	hility			Mcfd @ 14.65 ps	eia		
		aneo	d authority. o		<u> </u>	states that			to make th		ort and that he ha		vledae of	
		-		aid report is tru			d this the _1	7	day of N				20 15	
		_	•			Kansas	Receive CORPORATION		ח					
			Witness (				DEC 02	2015			Company			
			For Comm	nission		COV	ISERVATION I WICHITA, I	OIVISION (S		Che	cked by		•	

	AND CITY
	eclare 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, L.L.C.
and tha	at 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
	oment installation and/or upon type of completion or upon use being made of the gas well herein named.
Ih∈	ereby request a one-year exemption from open flow testing for the Slinker 1-21
gas we	ll on the grounds that said well:
	(Chark and)
	(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
	is not capable of producing at a daily rate in excess of 250 their b
l fu	rther 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.
Data: 1	1/17/2015
Date:	11112010
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	Signature: Sara Everett
	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.