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

Type Test	:				(	See Instructi	ions on Re	verse Side	·)						
	en Flov				Test Date	<b>)</b> :			API	No. 15		_			
Deliverabilty				9/7/2012	9/7/2012 Lease				189-20883 - 🍑 - 👓 Well Number						
Chesap		Op	erating, In	c.			Grothe	Α				1-24			
County Location Stevens C NE SW				Section 24		TWP 33S		RNG (E/W) 35W			Acres Attributed				
Field Shuck				Reservoir		•	Gas Gathering Con Oneok Energy Se			riction //E			- KEC!		
Completion Date 2/28/86				Plug Bac	k Total Dept	h		Packer Set at					NOV 1		
Casing Size Weight			Internal C	Diameter				rations		To 6021					
5-1/2 Tubing Size			15.5 Weight		4.950 Internal C		Set at		6014 Perforations			To			
2 7/8 6.5			2.441	d Production		5900 Pump Unit o		nit or Travelino	or Traveling Plunger? Yes						
Type Completion (Describe) Gas				Water	Water			Plunger							
Producing Tubing	g Thru	(Anı	nulus / Tubing)		% C	Carbon Dioxid	de		% Nitrog	en		Gas Gr	avity - G	à <sub>g</sub>	
Vertical E	epth(H	1)				Press	sure Taps		· · · · · · · · · · · · · · · · · · ·			(Meter F	Run) (Pi	rover) Size	
Pressure		n:	9/7 Shut in		0 12 at 0	7:00	(AM) (PM)	Taken 9/	/8	20	12 <sub>at</sub>	07:00		(AM) (PM)	
Well on L		•	Started												
					····							·,	24		
Static / Orifice Dynamic Size Property (inches)		ce	Circle one:	Pressure	Flowing Well Head		D SURFACE DATA  Casing		Tubing				-in Hours Liquid Produced		
			Meter Prover Pressur psig (Pm)	Differential in inches H <sub>2</sub> 0	Temperature t	Temperature t	Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		(P <sub>w</sub> ) o	r (P <sub>1</sub> ) or (P <sub>a</sub> )	]	Duration (Hours)		(Barrels)	
Shut-In			paig (1 iii)	menes ri <sub>2</sub> 0			psig 122	136.4	122	136.4	24	<del></del>			
Flow															
					1	FLOW STR	EAM ATT	RIBUTES							
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Motd		Pro	Circle one: Meter or over Pressure psia	Press Extension P <sub>m</sub> xh	Grav Fac F	tor	Flowing Temperature Factor F <sub>II</sub>	mperature Fa		Metered Floo R (Mcfd)	N	GOR (Cubic Fee Barrel)		Flowing Fluid Gravily G <sub>m</sub>	
(D.)2			/D \2 -		•	OW) (DELIV		<b>Y) CALCUI</b> [P <sub>c</sub> - 14.4) +					<sup>2</sup> = 0.2		
$\frac{(P_c)^2 = {(P_c)^2 \cdot (P_a)^2}}{(P_c)^2 \cdot (P_d)^2}$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		inded by: $P_c^2 - P_u^2$	LOG of formula 1, or 2, and divida		Backpressure Curv Slope = "n" 		9   10 x	ГЪ	An	Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow			Mcfd @ 14.65 psìa			Deliverability					fd @ 14.65 psia				
· · ·		lane	d authority, on			states that h		<u> </u>	to make t	he above repo				vledge of	
		•	in, and that sa				·			lovember	du	ıbre		20 12 .	
			Witness (if	any)						For	Company	- <del></del>			
			Fer Commi	ssion						Che	cked by				

## KCC WICHITA

	under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	under Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc
and that the fo	pregoing pressure information and statements contained on this application form are true and
correct to the b	pest of my knowledge and belief based upon available production summaries and lease records
of equipment i	nstallation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby re	equest a one-year exemption from open flow testing for the Grothe A 1-24
gas well on the	e grounds that said well:
(Ch	eck one)
	is a coalbed methane producer
Ī	is cycled on plunger lift due to water
	is a source of natural gas for injection into an oil reservoir undergoing ER
Ī	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
,	gree to supply to the best of my ability any and all supporting documents deemed by Commission sary to corroborate this claim for exemption from testing.
Date: <u>11/15/2</u>	012
	Signature: alutha Deubre
	Title: Aletha Dewbre, Regulatory Specialist

## 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.