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

Type Test	t:				(	See Instruct	ions on Re	verse Side	)			
Open Flow				Test Date	Test Date:				No. 15			
Deliverabilty					06/18/2013				5-20243 -	0000		
Chesapeake Operating, Inc.					Lease <b>Cheatum</b>				Well Number 3-11			
County Location Hamilton E/2 NE SW				Section 11		•		RNG (E/	W)	,	Acres Attributed	
Field Bradshaw					Reservoir Chase	Reservoir Chase			Gas Gathering Con OneOK Energy S			
Completion 6/9/78	on Da	te	В			k Total Dept	h		Packer Set at None			
Casing S 4.5	ize		Weigh	t	Internal Diameter		Set at <b>2772</b>		Perforations 2694		To <b>2720</b>	
Tubing Size			Weigh	t	Internal Diameter		Set at 2655		Perforations		То	
2.375 4.7 Type Completion (Describe)			1.995 2655 Type Fluid Production			ວ	Pump Unit or Traveling Plunger? Yes / No					
Single Gas			sacribe)	Water			Pump t			r lunger: 103	, 140	
Producing Thru (Annulus / Tubing) Annulus			))	% Carbon Dioxide			,	% Nitrog	en	Gas Gravity - G <sub>g</sub> .779		
Vertical D	Depth(F	<del>1</del> )				Press	sure Taps				(Meter F 2	Run) (Prover) Size
Pressure	Buildu	ıp:	Shut in _06/	17 2	20 13 at 7	:00	(AM) (PM)	Taken 06	6/18	20	13 at 7:00	(AM) (PM)
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVE	D SURFAC	E DATA			Duration of Shut-	n_24Hours
Static / Orifice Dynamic Size Property (inches)		:0	Circle one: Meter Prover Pressu	Pressure Differential in	Flowing Well Head Temperature Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)
	(,,,,,		psig (Pm)	Inches H <sub>2</sub> 0	· ·	·	psig	psia	psig	psia	0.4	
Shut-In							27	39.4	32	46.4	24	
Flow						FLOW STR	FAM ATTR	IBUTES				
Plate	a		Circle one:	Press			Flowing					Flowing
Coefficient (F <sub>b</sub> ) (F <sub>a</sub> )		Meter or Prover Pressure		Extension	Grav Fac	tor T	emperature Factor	Fa	iation ctor	Metered Flow	v GOR (Cubic Fe	Fluid
Mcfd			psia	✓ P <sub>m</sub> x h	F,	F <sub>ft</sub>		F	pv	(Mcfd)	Barrel)	G <sub>m</sub>
					(OPEN FL	OW) (DELIV	ERABILITY	) CALCUL	ATIONS		(P <sub>s</sub> ) <sup>2</sup>	= 0.207
(P <sub>c</sub> ) <sup>2</sup> =				<u> </u>	P <sub>d</sub> =	9	% (I	P <sub>c</sub> - 14.4) +	14.4 =	:	(P <sub>d</sub> ):	'=
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1. P <sub>c</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide P2-P2		Backpressure Curve Slope = "n" or Assigned Standard Stope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
-				divided by: $P_c^2 - P_w$	2 by:	<u> </u>	Stand	ard Stope	<u> </u>			(
	_											
Open Flo	w	Mcfd @ 14.65 psia					Deliverability		Mcfd @ 14.65 psia			
		•	•		• •		•			•	rt and that he ha	s knowledge of
the facts s	tated t	herei	n, and that sa	id report is tru	e and correc		this the 2			une		, <sub>20</sub> <u>13</u> .
			Witness (i	f any)			-		`	For 0	Company	
<del> </del>			For Comm	ission		J	UL 0 1	ZUIJ		Che	cked by	

I declare 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, Inc.
and that 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
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby request a one-year exemption from open flow testing for the Cheatum 3-11
gas well 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
I further 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.
Date: _06/25/2013
Signature: Quant Quant Quant All Signature: Dawn Richardson, Regulatory Technician III

## 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 KGCOWHIGHTAN Signed and dated on the front side as though it was a verified report of annual test results.

JUL 0 1 2013

**RECEIVED**