KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Instruct	ions on Re	verse Side))			
Open Flow			Test Date	·			ΔPI	l No. 15				
Deliverabilty				7/31/12			15-075-20577 - 00~ 00					
Company Chesapeake Operating, Inc.						Lease Wolf				V	Well Number 2-18	
			Locatio C SE/4	n	Section 18			TWP RNG (E/W) 23S 40W		/W)	,	Acres Attributed
Field Bradshaw				Reservoir Winfield				Gas Gathering Conne Chesapeake Energy			RECE	
Completion Date 3/24/1996				-	Plug Bac 2540'	k Total Dept	h		Packer Set at		***	SEP n
Casing Size Weight 4 1/2" 9.5#			Weight 9.5#		Internal C	Diameter	Set 254		Perforations 2504'		то 2514'	SEP 0 /
Tubing Size 2 3/8"			Weight 4.7#		Internal Diameter		Set at 2530'		Perforations		То	VVICI
Type Completion (Describe) Single - Gas				Type Flui Water	Type Fluid Production Water			Pump Unit or Traveling Plunger? Yes / No Yes. Pump Unit.				
Producing) Thru	(Anı	nulus / Tubing)	•	% C	arbon Dioxi	de		% Nitrog	gen	Gas Gra	ivity - G
Annulus										·		
Vertical D	epth(F	ł)				Pres	sure Taps				(Meter F	lun) (Prover) Size
Pressure	Buildu		,							20		
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
			,			OBSERVE	D SURFAC	E DATA	1	D	uration of Shut-i	n 24 hrs. Hours
Static / Dynamic Property	Dynamic Size _F		Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential In Inches H ₂ 0	Flowing Well Head Temperature t t		Casing Wellhead Pressure (P_w) or (P_l) or (P_c) psig psia		Tubing Wellhead Pressure $(P_w) \text{ or } (P_1) \text{ or } (P_c)$ psig psie		Duration (Hours)	Liquid Produced (Barrels)
Shut-In							28	42.4	0	14.4	24 hrs.	
Flow												
						FLOW STR	EAM ATTR	IBUTES				
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m xh	Pactor		Temperature Fa		riation actor pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G
<u> </u>												
(P _c) ² = _		:	(P)² =	:	-	OW) (DELIV		r) CALCUL P _e - 14.4) +		:		= 0.207
(P _e) ² - (P _a) ² or (P _e) ² - (P _d) ²		(P _e) ² - (P _w) ²		1 P ² P ² 2 P ² P ² vided by: P ² P ²	LOG of formula 1, or 2.		Backpressure Curv Slope = "n" or		n x	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (McId)
							-					
Open Flow			Mcfd ② 14.65 psia				Deliverability			Mcfd ② 14.65 psia		
		_	d authority, on		, ,		•			he above report September	and that he ha	
			Witness (if	any)					· · · · · · · · · · · · · · · · · · ·	For Con	пралу	
			For Commis	sion						Checke	d by	

SEP 0.7 2012 KCC WICHITA

NOC V	VICHITA
I declare under penalty of perjury under the laws of the state of Kansas that I am a	uthorized to request
exempt status under Rule K.A.R. 82-3-304 on behalf of the operatorChesapeake Opera	iting, Inc.
and that the foregoing pressure information and statements contained on this application	on form are true and
correct to the best of my knowledge and belief based upon available production summario	es and lease records
of equipment installation and/or upon type of completion or upon use being made of the ga	s well herein named.
I hereby request a one-year exemption from open flow testing for the Wolf #2-18	
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.	- 18 - 16
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 of staff as necessary to corroborate this claim for exemption from testing.	leemed by Commission
Date: 9/6/12	
Signature: <u>Aletha Deus</u>	bu_
Title: Aletha Dewbre, Regulatory Specie	alist I

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.