KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:		· · · · ·		•	(See Instruc	tions on Re	everse Side	e)	i i A Di Li i		,	•		
Open Flow					Test Date:				API No. 15							
Deliverabilty					08/19/2013			03321137 -0000								
Company Chesapeake Operating, Inc.						Lease Ferr			<u>.</u>				·3-15	Well Nu	mber	
County Location Comanche C SW					Section 15		TWP 31S		RNG (E/W)				Acres A	Attributed		
Field					Reservoi		G		Gas Gathering Conne			•				
Wilmore Completion Date				Marma Plug Bac	th		OneOk Packer S	Energy Sen	vice			· · · · · · · · · · · · · · · · · · ·				
2/7/01						5025					None				· · ·	
4/5			11.6	Weight 11.6			Diameter	Set at 5197		Perforations 4898		то 4900		: '		
Tubing Size W 2.375 4.				ht		Internal Diameter 1.995		Set at 4897		Perforations			То			
Type Completion (Describe) (Gas) Single						d Productio		· ·	Pump Unit or Travel Plunger		Plunger	? Yes	/ No			
Producing Thru (Annulus / Tubing)					% Carbon Dioxide				% Nitrogen			Gas Gravity - G _g				
Tubing Vertical D	epth(l	H)					Pres	sure Taps		-			(Meter	Run) (Pi	rover) Size	
5200								-				•	•		<u> </u>	
Pressure	Buildu	ıp:	Shut in	/18	20	0 13 at 0	7:00	(AM) (PM)	Taken_08	3/19	20	13 at_	07:00	(AM) (PM)	
Well on L	ine:		Started		20) at		(AM) (PM)	Taken		20	at _		(AM) (PM)	
							OBSERVE	D SURFAC	E DATA			Duration	of Shut-	in 24	Hours	
Static / Orifice Dynamic Size Property (inches			Meter		ssure rential	Flowing	Well Head	Wallhaad	sing I Pressure	Tubing Wellhead Pressure		Duration		Liquid Produced		
		Prover Pressur		1	in es H ₂ 0	Temperature Temperature t		e (P _w) or (P ₁) or (P _c) psig psia		(P _w) or (P _t) or (P _c) psig psia		(Hours)		(Barrels)		
Shut-In	Shut-In				-			396		118	132.4	24				
Flow																
							FLOW STR	REAM ATTE	RIBUTES	'	· · · · · · · · · · · · · · · · · · ·					
Plate Coeffieci (F _b) (F Mcfd	ient ,)	Circle one: Meter or Prover Pressure psia		Exte	Press Gravitension Factor		Tommovative		Fa	iation ctor	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)			Flowing Fluid Gravity G _m	
						(OPEN FLO	OW) (DELIV	ERABILITY) CALCUL	ATIONS	-		(P_)	² = 0.20	 07	
(P _c) ² =		:	(P _w) ² =		:	$P_d =$		%· · (I	P _c - 14.4) +	14.4 =	· · ·		(P _d)	2 =		
(P _c) ² - (P _a) ²		(P _c) ² - (P _w) ²			1. P _c ² -P _a ²		LOG of formula		Backpressure Curve Slope = "n"		n x LOG				Open Flow Deliverability	
(P _c) ² - (P _d) ²		1		С	2. $P_c^2 - P_d^2$ 1. or 2. and divided by: $P_c^2 - P_w^2$ by:		P2_P2		Assigned ndard Slope				Antilog		Equals R x Antilog (Mcfd)	
· · · · · · · · · · · · · · · · · · ·												· · ·				
													···································	<u> </u>		
Open Flow Mcfd @ 14.65				55 psia					Mcfd @ 14.65 psia							
											above repor	t and the	at he ha		* T	
he facts st	ated t	herei	n, and that s	aid repor	is true	and correct					ptember			, 2	20 13	
· · · · · · · · · · · · · · · · · · ·			Witness (if anv)	······		K	CC WI	CHIIA	١	EarC	ompany			•	
 								SEP 13	2013				_			
			For Comm	IISSION			•				Check	ed by				

RECEIVED

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 Ferrin 3-15	
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 Commissi	on
staff as necessary to corroborate this claim for exemption from testing.	
Date: 09/09/2013	
Signature: Signature & Curandon	
Title: Dawn Richardson, Associate Regulatory Analyst	I
Title: Dawn Richardson, Associate 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.

SEP 13 2013

RECEIVED