RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:			(See Instruc	tions on Re	verse Side,)				
Оре	en Flow			Test Date	··			API N	lo 15			
Deli	iverabilty	/		05/21/20					-20616 - (3000		
Company Chesape		Operating,	Inc.			Lease Frack				2-14	Well Number 4	
County Location Hamilton NW SE NE				Section 14		TWP 21S			RNG (E/W) 40W		Acres Attributed	
^{Field} Bradsha	aw		F	Reservoir					ering Conn aw Gas (
Completion Date 2/10/1997			Plug Back 2810	Plug Backerbtal Depth 2810				Packer Set at None				
Casing Size Weight 4.5 10.5			Internal D 4.052	Diameter		Set at 2804		Perforations 2777		To 2782		
Tubing Size Weight 2.375 4.7			Internal D 1.995	Diameter		Set at Perfo 2789		rations To				
Type Comp Single G		(Describe)		Type Flui Water	d Productio	n		Pump Unit	t or Traveling J nit	Plunger? Ye	es / No	
Producing Annulus		Annulus / Tubi	ng)	% C	Carbon Diox	ide		% Nitroge	n	Gas (.748	Gravity - G _g 3	
Vertical De 2805	epth(H)				Pres Flan	sure Taps ge				(Mete	er Run) (Prover) Size	
Pressure E	Buildup:	Shut in _05	5/20 2	20_13 at_7			Taken_05	5/21	20	13 at 7:00	(AM) (PM)	
Well on Lir	ine:	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
					OBSERVE	D SURFAC	E DATA			Duration of Sh	ut-in 24 Hour	
Static / Dynamic Property	Orifice Size (inches	Size Prover Pressure in		Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In						81	95.4	75	89.4	24		
Flow												
	-				FLOW STE	REAM ATTR	IBUTES			1	1	
Plate Coeffiecie (F _b) (F _p Mcfd	ent)	Circle one: Meter or Prover Pressure psia	Press Extension ✓ P _m x h	Grav Faci F _s	tor	Flowing Temperature Factor F _{tt}	Fa	ation ctor :	Metered Flor R (Mcfd)	w GO (Cubic Barr	Feet/ Fluid	
				(OPEN FL	OW) (DELIV	/ERABILITY) CALCUL	ATIONS			$(P_a)^2 = 0.207$	
(P _c) ² =		: (P _w) ²	,			% (F	P _c - 14.4) +	14.4 =	:		o _d) ² =	
(P _o) ² - (P _o or (P _o) ² - (P _o		(P _c) ² - (P _w) ²	1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _w	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Slo	ssure Curve pe = "n" - or signed ard Slope	n x I C	og [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow	<u> </u>		Mcfd @ 14	.65 psia		Deliverab	pility			Mcfd @ 14.65	psia	
		ned authority.		•	states that h			o make the			has knowledge of	
	_	•	said report is tru			•			•		, 20 13	
he facts sta												
he facts st		Witness	s (if any)			-			Fort	Company	KCC W	

exempt status und and that the foreg correct to the best of equipment insta I hereby reque	er penalty of perjury under the laws of the state of Kansas that I am authorized to request the Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc. Including pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named. Lest a one-year exemption from open flow testing for the Frack 2-14 counds that said well:
•	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 et to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessar	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. The form must be signed and dated on the front side as though it was a verified report of annual test results.

KCC WICHITA

JUL 0 1 2013