Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

	en Flor		Ψ. .		Test Date	See Instruc	ctions on Re	everse Side	, API	No. 15				
	liverab	iity			8/28/2014				15-189-20700 -6000					
Company Chesapeake Operating, L.L.C.				Lease Ratcliff						3-17	Well Number 3-17			
			Locati 3180 FS	on L & 4950 FEL	Section 17		TWP 33S		RNG (E/W) 37W		Acres Attributed			
Field Central Kansas					Reservoir Morrow			##** " <u> </u>	Gas Gathering Conr OneOK Energy Se			tion CCC		
Completion Date 5/13/1984					Plug Bac 6184	k Total Dep	oth	Packer Set at		et at		J	UNDS	
Casing Size 5.5			Weigh	t .	Internal Diameter 4.950		Set at 6220		Perforations 6034		то Р 6080 (ОА)		CC WI UN 05 2 RECEIVE	
Tubing Size 2.375			Weigh 4.7	t	Internal Diameter 1.995			Set at 6034		rations	То			
Type Completion (escribe)		Type Flui Oil/Wa	d Productio	n			it or Traveling Unit	Plunger? Yes	Plunger? Yes / No		
Producing Thru (Annulus / Tubing) Annulus				% Carbon Dioxide				% Nitroge	Gas Gravity - G _g					
Vertical E)				Pres	ssure Taps				(Meter F	Run) (Pr	over) Size	
Pressure	Buildu	o:	Shut in <u>8/2</u>	7 2	14 at 8	:00	(AM) (PM)	Taken 8/	28	20	14 at 8:00	(AM) (PM)	
Well on L	ine:		Started	2	0 at		. (AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSERVE	ED SURFAC	E DATA	<u> </u>	•	Duration of Shut-	_{in} _24	Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressi psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature Temperature		Casing Wellhead Pressure (P _w) or (P _c) 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			, , ,			_	28	42.4	0	14.4	24			
Flow														
<u> </u>						FLOW ST	REAM ATTE	RIBUTES						
Plate Coeffictient (F _b) (F _p) Motd		Pro	Circle one: Meter or ever Pressure psia	Press Extension	Gravity Factor F _g		Flowing Temperature Factor F _{ft}		iation ctor pv	Metered Flov R (Mcfd)	y GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _m	
(P₀)² ≈			(P _w) ² =		(OPEN FL	OW) (DELIV		•			(P _a); (P _d);	2 = 0.20	07	
(P _c) ² -(1 or (P _c) ² -(1	•	(P _e) ² - (P _w)		Choose formula 1 or 2 1. P _o ² - P _a ² 2. P _o ² · P _d ² divided by: P _o ² - P _w	LOG of formula 1, or 2, and divide	P. 2 - P. 2	Backpre Sic 	(P _c - 14.4) + Backpressure Curve Slope = "n"or Assigned Standard Slope		.og []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
								 ,						
Open Flow Mcfd @ 14.65 psia						Deliverability			!	Mcfd @ 14.65 psia				
The	ındərsi	_	• •		Company, s		ne is duly a	uthorized to		e above repo	rt and that he ha	s knowl	edge of 20	
			Witness (i	f any)					4	For C	Company	<u> </u>		
			For Comm	ission						Chec	ked 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, L.L.C. 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 Ratcliff 3-17 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: 5/11/2015 Signature:

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.