KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:					(See Instru	ucti	ions on Re	verse Sid	le)			-				
Open Flow					Test Date	Test Date:					API No. 15							
De	liverat	illy				11/12/20							89-20458	00	000			
Company Chesape		Ope	rating, L.L.	C.					Lease Cunning	gham Ui	nit				2 - 25	Vell N	ımber	
County Location Stevens C SW				Section 25		TWP 34S			RNG (E/\ 37W	N)		ļ	cres	Attributed				
Field N. Hank	e					Reservoir Morrow							ering Conni Field Servic		n			
Completion 08/15/19		te				Plug Bac 6,407'	k Total De	epti	h			Packer S None	et at					
Casing Size Weight 5.5 15.50					Internal E 4.950	Diameter	Set at 6,439'			Perfor 6,31			то 6,388'					
Tubing Size Weight 2.375 4.70				Internal Diameter 1.995				Set at 6,357'			Perfor			То				
					Type Fluid Production				Pump Unit or Tre Pump Unit			reling Plunger? Yes / No						
	g Thru	(An	nulus / Tubi	ng)		% C	arbon Dic	oxic	e			% Nitroge			Gas Gra	vity -	G,	
Annulus			_			_ <u>.</u>												
Vertical D 6,849'	Pepth(H	4)					Pro	ess	sure Taps						(Meter F	lun) (F	rover) Size	
Pressure Buildup: Shut in 11/12			14 at 8:00 ((AM) (PM)	AM) (PM) Taken 11			20	14	14 at 8:00		(AM) (PM) .				
Well on Line: Started				20 at			_	(AM) (PM) Taken			20	at (AM) (PM)						
							OBSER\	VE	D SURFAC	E DATA				Dur	ation of Shut-i	n_ 2	4 Hours	
Static / Orifice Dynamic Size Property (inches)		:е	Meter Prover Pressure		Pressure Flowing Differential Temperatu		, -		Casing Wellhead Pressure (P_w) or (P_1) or (P_c)			Tubing Wellhead Pressure (P_w) or (P_1) or (P_2)			Duration (Hours)		Liquid Produced (Barrels)	
		es) 	psig (Pm)		Inches H ₂ 0	t	t	_	psig	psia		psig psia					-	
Shut-In Flow									42	56.4	+		 -					
. ,]			FLOW S	TR	L EAM ATTR	IBUTES					-			
Plate	,		Circle one:		Press				Flowing								Flowing	
Coeffiecient (F _b) (F _p) Mcfd		Pro	Meter or Prover Pressure psia		Extension P _m x h	Grav Fact	or	Temperature Factor F ₁₁		Deviation Factor F _{pv}		tor	Metered Flow R (Mcfd)		W GOR (Cubic Fee Barrel)		Fluid Gravity G _m	
													_	ļ				
(P _c) ² =		•	(P _w) ²	=	:	(OPEN FLO	OW) (DEL	.IVI) CALCU ខ - 14.4)			:		(P _a)² (P _d)²	= 0.2 =	207	
		<u>-</u> :		Cho	ose formula 1 or 2:			1	Backpre	ssure Cun	_			_	, 9,		pen Flow	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(F 			1. P _o ²-P _o ² 2. P _o ²-P _o ² ied by: P _o ²-P _o ²	LOG of formula 1, or 2. and divide by:		Assigne		- o r	ad n x		LOG		Antilog		Deliverability Equals R x Antilog (Mcfd)	
				alviu.	ed by: 1 c - [w	1 3,	<u> </u>		Giana	ara erepe							· · ·	
													_					
Open Flo	w				Mcfd @ 14.0	65 psia			Deliverab	ility				Mcfc	i @ 14.65 psia	à		
The	unders	igne	d authority,	on b	ehalf of the	Company, s	tates that	t he	e is duly a	uthorized	to	make th	above repo	rt ar	nd that he has	s knov	vledge of	
the facts s	tated t	here	in, and that	said	report is true	and correc	t. Execut	ed	this the	_	_ c	tay of M	arch			·	20 15 .	
			Witness	(if an	y)	_	KC	C	WIC:				For C	ompa	ny	_	·	
			For Con				MA	R	20 20	5				ked b	·			
							F	₹	CEIVE	D								

exempt status under Rule K.A.R. 82-3-3 and that the foregoing pressure inform correct to the best of my knowledge and of equipment installation and/or upon ty I hereby request a one-year exemption.	304 on behalf of nation and stat d belief based t pe of completion	s of the state of Kansas that I am authorized to request the operator Chesapeake Operating, L.L.C. ements contained on this application form are true and upon available production summaries and lease records on or upon use being made of the gas well herein named. flow testing for the Cunningham Unit 2-4
gas well on the grounds that said well:		(exemption year 2015)
is on vacuum at the ✓ is not capable of pro	r lift due to wat al gas for inject present time; k oducing at a da t of my ability a	tion into an oil reservoir undergoing ER CCC approval Docket No aily rate in excess of 250 mcf/D any and all supporting documents deemed by Commission
KCC WICHITA MAR 2 0 2015 RECEIVED		Katie A. Wright, 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 becember 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.