Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:				6	See Instruct	tions on Rev	erse Side	e)					
□ Ор	en Flo	w			Test Date				۸ÐI	No. 15				
√ De	liverab	ilty			8/3/2015					189-20458 -	0000			
Company Chesape		Opei	ating, L.L.C		-		Lease Cunning	ham Uni	it		2-4	Well Nu	mber	
County Stevens			Locatio C SW	Location C SW		Section 25		TWP 34S		W)		Acres Attributed		
Field N. Hank	e	_			Reservoir Morrow	,		-		hering Conne Field Servic				
Completic 08/15/19		е			Plug Bac 6,407'	k Total Dept	th		Packer S None	Set at				
Casing S 5.5	ize		Weight 15.50	ght Internal Diameter Set at Perforations To 6,318' 6,3		т _о 6,388	3'							
Tubing Si 2.375	ize	-	Weight 4.70		Internal D 1.995	Diameter	Set at 6,35		Perfo	rations	То			
Type Con Gas	npletio	n (Do	escribe)	-	Type Flui	d Production	n		Pump Ur Pump		Plunger? Yes	s / No		
Producing	_	(Anı	nulus / Tubing)	% C	arbon Dioxi	de		% Nitrog	en	Gas G	Gravity - G	·	
Vertical D	Pepth(F	1)				Pres	sure Taps	_			(Metei	r Run) (Pi	over) Size	
Pressure	Buildu	p;	Shut in _8/2	2	0_15_at_8:	:00	(AM) (PM)	Taken_8/	3	20	15 at 8:00	(AM) (PM)	
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shu	t-in	Hours	
Static / Dynamic Property	Orifi Siz (inch	ө	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature - t	Casin Wellhead F (P _w) or (P ₁ psig	Pressure	Wellhe	Tubing ad Pressure r (P _t) or (P _c) psia	Duration (Hours)		l Produced larrels)	
Shut-In			,	William Vigo				14.4	65	79.4		•		
Flow				İ										
						FLOW STR	REAM ATTRI	BUTES						
Plate Coeffiec (F _b) (F Mcfd	ient ,)	Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P _m x h	Grav Fact	tor 1	Flowing Temperature Factor F _{it}	Fa	riation actor pv	Metered Flow R (Mcfd)	v GOF (Cubic F Barre	eet/	Flowing Fluid Gravity G _m	
		_											_	
(P _c) ² =		_:	(P _w) ² =	:	(OPEN FLO		'ERABILITY) % (P.	CALCUL + (14.4 - _e		; ·		$a^{2} = 0.2$ $a^{2} = 0.2$	07	
(P _c) ² - (l	P _a)²	(F	P _c)²- (P _w)²	Choose formula 1 or 2 1. $P_c^2 - P_e^2$ 2. $P_c^2 - P_d^2$ (ivided by: $P_c^2 - P_g^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Slop Ass	sure Curve e = "n" or lgned urd Slope	l n x	rog	Antilog	Dell Equals	en Flow verability R x Antilog (Mcfd)	
	. —													
Open Flo	w			Mcfd @ 14.	65 psia		Deliverabi	lity	·		Mcfd @ 14.65 p	sia		
		igne	d authority, or			states that h		<u> </u>	o make th		rt and that he f		ledge of	
				id report is true	and correc	t. Executed			day of _C				20 15 .	
			Witness (il	any)		OCT 28	_			For	Сомралу			
•			For Commi	ssion			EIVED			Čhe	cked by			
							_, , , , , ,							

	3931.
	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to reques
	status under Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, L.L.C.
	the foregoing pressure information and statements contained on this application form are true an
	o the best of my knowledge and belief based upon available production summaries and lease record
	nent installation and/or upon type of completion or upon use being made of the gas well herein named eby request a one-year exemption from open flow testing for the <u>Cunningham Unit</u> 2-4
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
T foret	her agree to supply to the best of my ability any and all supporting documents deemed by Commis
	necessary to corroborate this claim for exemption from testing.
sian as n	-
	r y
Date: 10	0/21/2015
	-
	Signature: Sara Eucett
	Title: Sara Everett, 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.