Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:				(See Instruc	tions on Re	verse Side))					
_ :	en Flo				Test Date	a:			API	No. 15				
∐ De	liverat	oilty			7/20/20			·		189-21024-	0000			
Company Chesape		Ope	rating, L.L.C)			Lease Grothe	В		_		1-23	Well Num	ber
County Steven:	 s		Locati 3960 FS	on L & 1320 FEL	Section 23		TWP 33S		RNG (E/	W)			Acres At	
Field Shuck					Reservoir Mississ		_			hering Conn Energy Sei	ection rvices		KCC	WICH 5 2015 TVED
Completion 5/5/87	on Da	te			Plug Bac 6180	k Total Dept	th		Packer S	Set at			IUN O	MICH
Casing Si 5.5	ize		Weigh 15.5	t	Internal D 4.950	Diameter	Set <i>a</i> 6469		Perfo 599	rations		To 6012	RECE	5 2015
Tubing Si 2.875	ize		Weigh 6.5	t	Internal I 2.441	Diameter	Set a 5994		Perfo	rations		То		VED
Type Con Gas	npletio	n (D	escribe)		Type Flui	d Production	π		Pump Ur Plunge	nit or Traveling			/ No	
Producing	g Thru	(An	nutus / Tubing	g)	% C	arbon Dioxi	ide		% Nitrog	en		Gas Gr	avity - G	
Tubing														
Vertical D 6475)epth()	H) 				Pres.	sure Taps					(Meter F	Run) (Pro	ver) Size
Pressure	Buildu	ıp:	Shut in	92	0_14_at_8	:00	(AM) (PM)	Taken. 7/	20	20	14 at_	8:00	(A	M) (PM)
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20 	at_		(A	M) (PM)
						OBSERVE	D SURFACI	E DATA			Duration	of Shut-	in24	Hours
Static / Dynamic Property	Orif Siz (inch	ze	Circle one: Meter Prover Pressu	(Flowing Temperature t	Well Head Temperature t	(P _w) or (P	Pressure	Wellhe	ubing ad Pressure (P,) or (P _s)	ı	ation ours)		Produced arrels)
Shut-In			psig (Pm)	Inches H ₂ 0			psig 123	psia 137.4	122	136.4	24			
Flow	_			1										
						FLOW STR	REAM ATTR	IBUTES						
Plate Coeffied (F _b) (F Mcfd	ient ,)	Pro	Circle one: Meter or over Pressure psia	Press Extension P _m x h	Grav Fact	tor T	Flowing Temperature Factor F _{II}	Fe	riation ictor = pv	Metered Flow R (Mcfd)		GOR (Cubic Fe- Barrel)	et/	Flowing Fluid Gravity G _m
				<u></u>										
/D \2			/D \2_		•	. ,	ERABILITY)	•					² = 0.20	7
(P _c)² ≃		- -	(P _w) ² =	Choose formula 1 or 2		 ;	T	² _c - 14.4) +		<u> </u>		(P _d) ²		
(P _o) ² - (F or (P _o) ² - (F		(F	P _c) ² - (P _w) ²	 P_a² - P_a² P_c² - P_d² divided by: P_c² - P_d² 	LOG of formula 1, or 2, and divide	P ₀ ² - P _w ²	Slop	ssure Curve pe ≃ "n" - or signed ard Slope	n x i	-og	Ant	lilog	Deliv Equals I	n Flow erability R x Antilog lofd)
Open Flor	w			Mcfd @ 14.	65 psia		<u>Deliverab</u>	ility			Mcfd @	14.65 psi	<u>a</u>	
		•	•	n behalf of the			•					at he ha		•
			Witness (i	! any)			-			For C	Company			
			For Comm	Ission			_			Chec	cked by			

exempt status under Ru		e laws of the state of Kansas that I ar half of the operator Chesapeake Ope	•
and that the foregoing	pressure information and	d statements contained on this applic	cation form are true and
correct to the best of my	knowledge and belief ba	ased upon available production summ	naries and lease records
•	• • • •	npletion or upon use being made of the	-
I hereby request a c	ne-year exemption from	open flow testing for the Grothe B 1-	- <u></u>
gas well on the grounds	that said well:		KCo
(Ot = = t= = = =)			KCC WICH JUN 0 5 2015 RECEIVED
(Check one)	and book weatherns were due		JUN 05 200
=	coalbed methane produc		RECE
	cled on plunger lift due to		**ED
	_	injection into an oil reservoir undergo ime; KCC approval Docket No. :	ing En
<u>-</u>	•	at a daily rate in excess of 250 mcf/D	
	a capable of producing a	at a daily fate in excess of 250 ffici/D	
•	upply to the best of my ale	bility any and all supporting documented exemption from testing.	ts deemed by Commission
Date: 5/11/2015	<u>-</u> _		
Date: <u>5/11/2015</u>			·
Date: <u>5/11/2015</u>			
Date: <u>5/11/2015</u>			
Date: <u>5/11/2015</u>	Signa	ature: <u>Jestel Wug</u>	W

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.