## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				(	See Instruc	tions on Re	everse Side	e)				
	en Flo		•		Test Date	<del>)</del> :			APJ	No. 15			
De	liverab 	oilty			6/13/20					075-20624 -	-0000		
Company Chesape		Ореі	rating, L.L.0	С.		<sub>Lease</sub> Hatcher			We 2A-13			Well Nui 3	mber
County Hamilto	on		Loca 1250 F	ion SL & 1250 FEL	Section 13		TWP 22S		RNG (E	/W)			ttributed
Field Bradsh	aw				Reservoi Winfiel					hering Conn Energy Ser	ection vices	KCC	P WICH
Completi 1/16/97		te			Plug Bac <b>2660</b>	k Total Dep	th		Packer 8 None	Set at		JUN	25
Casing S 4.5	ize		Weig	nt	Internal [	Diameter	Set 266		Perfo 263	rations 8	то 2648	RECI	2015
Tubing S 2.375	ize		Weig 4.7	nt	Internal D 1.995	Diameter	Set 266		Perfo	rations	То		VED
Type Cor Single (		n (De	escribe)		Type Flui Water	d Production	n .		Pump Ui Pump	nit or Traveling Unit	Plunger? Yes	/ No	
Producing	-	(Anı	nulus / Tubir	g)	. % C	arbon Dioxi	ide		% Nitrog	en	Gas G	ravity - G	ìg
Vertical D	Pepth(i	<del>1</del> )				Pres	sure Taps				(Meter	Run) (Pr	over) Size
	Buildu	ıp:	Shut in 6/1	2 2	0_14_at_7	:00	(AM) (PM)	Taken 6/	13	20	14 at 7:00	(,	AM) (PM)
Well on L	.ine:		Started	2	0at		(AM) (PM)	Taken		20	at	(	AM) (PM)
						OBSERVE	D SURFAC	E DATA			Duration of Shut	-in_24	Hours
Static / Dynamic Property	Orifi Siz (inch	:ө	Circle one: Meter Prover Press psig (Pm)	Pressure Differential In Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	Wellhead	sing I Pressure P <sub>1</sub> ) or (P <sub>c</sub> ) psia	Wellhe	Fubing ad Pressure r (P <sub>t</sub> ) or (P <sub>c</sub> ) psia	Duration (Hours)		i Produced Barrels)
Shut-In					-		27	41.4	51	65.4	24		
Flow								_			<u></u>		
				<u> </u>		FLOW STR	REAM ATTE	RIBUTES			<u> </u>		
Plate Coeffiec (F <sub>b</sub> ) (F Mold	ient	Pro	Circle one: Meter or over Pressure psia	Press Extension	Grav Fact	or 1	Flowing Temperature Factor	Fa	iation ctor : pv	Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>
				<u></u>									
(P <sub>c</sub> ) <sup>2</sup> =			(P <sub>w</sub> )².=		(OPEN FLO	OW) (DELIV		r) CALCUL P <sub>s</sub> - 14.4) +				) <sup>2</sup> = 0.20	)7
(P <sub>o</sub> ) <sup>2</sup> - (I	•	· (F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2 1. $P_o^2 - P_o^2$ 2. $P_c^2 - P_d^2$ divided by: $P_o^2 - P_w^2$	LOG of formula	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Backpre Slo	essure Curve pe = "n" - or ssigned dard Slope		LOG	Antilog	Ope Deliv Equals	en Flow verability R x Antilog Mcfd)
								_				<u></u>	
Open Flor	w			Mcfd @ 14.	65 psia		Deliveral	oility			Mcfd @ 14.65 ps	ia	
		_					•			-	rt and that he ha		_
the facts s	tated t	herei	n, and that s	aid report is true	and correct	t. Executed	this the	<u></u>	day of _ <sup>IV</sup>	lay		, 2	<sub>20</sub> <u>15</u> .
			Witness (	If eny)						For C	отрапу		
			For Comm	nission			•			Chec	ked by		

			state of Kansas that I am au	•
exempt status un	der Rule K.A.R. 82-3-30	4 on behalf of the ope	rator Chesapeake Operating	j, L.L.C.
and that the fore	going pressure informa	tion and statements	contained on this application	form are true and
correct to the bes	t of my knowledge and l	oelief based upon ava	ailable production summaries	and lease records
• •		•	on use being made of the gas	well herein named.
I hereby requ	est a one-year exemptic	n from open flow test	ting for the <u>Hatcher 2A-13</u>	
gas well on the g	rounds that said well:			
				KCC WO.
(Checi	•			KCC WICH JUN 05 2015 RECEIVED
	is a coalbed methane	•		Rr_ 05 2015
	is cycled on plunger li			CECEIVED
		•	an oil reservoir undergoing E	н
	is on vacuum at the pr			
¥	is not capable of prod	ucing at a daily rate i	in excess of 250 mcf/D	
· ·	e to supply to the best on the best of the supply to corroborate this cla	, ,	all supporting documents de m testing.	emed by Commissio
	<del></del>			
		Signature: LA	tie Wrigh	<u>+</u>
Date: 5/11/2015		V	tu Wwijh Vright, Regulatory Analyst	<u>+</u>

## 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.