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

Type Test:					(-	See Ins	tructions on Re	everse Side	)					
Оре	en Flow				Test Date	<u>, .</u>			ΔΡΙ	No. 15	_			
Del	iverabilt	у			5/17/201					5-20106 ~	-000			
Company Chesap		Operating	ı, Inc	•			Lease <b>Cam</b> p	bell			1-15	Well Nu	mber	
County H <b>amilto</b>	n		cation W N		Section 15		TWP 21S		RNG (E.	<b>(</b> ₩)		Acres A	ttributed	
<sup>Field</sup> Bradsha	aw	N	ES	SM.	Reservoir <b>Case</b>	•				thering Conn haw Gas (				
Completio <b>7/28/19</b>					Plug Baci 2792	k Total I	Depth		Packer S None	Set at				
Casing Si 4.5	ze	we 9.5	eight		Internal D 4.052	Diamete	set 294		Perfo 274	rations 8	то <b>2756</b>			
Tubing Siz	ze	We 4.7	eight		Internal D 1.995	Diamete	Set 27		Perfo	rations	То			
Type Com Single C	•	(Describe)			Type Flui Water	d Produ	ction		Pump U	nit or Traveling Unit	g Plunger? Yes	/ No	*	
Producing Annulus		Annulus / Tu	bing)		% C	arbon [	Dioxide		% Nitrog	jen	Gas G .750	ravity - C	àg	
Vertical D							Pressure Taps lange			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(Meter	Run) (P	rover) Size	
Pressure	Buildup:	Shut in _	5/17	20	11 at 7			) Taken 5/	18	20	11 at 7:00	(	AM) (PM)	
Well on Li	ine:	Started _									at	(	AM) (PM)	
						OBSE	RVED SURFA	CE DATA	· · · · · · · · · · · · · · · · · · ·		Duration of Shut	-in _24	Hours	
Static / Dynamic Property	Orifice Size (inches	Mete Prover Pr	Circle one: Pressure Meter Differential Prover Pressure in psig (Pm) Inches H <sub>2</sub> 0		Flowing Well Hear Temperature t		wellhea (P <sub>w</sub> ) or (	Wellhead Pressure  (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing ead Pressure or (P <sub>1</sub> ) or (P <sub>c</sub> )	Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	-	, poig (	,	**			psig 89	103.4	psig 38	52.4	24			
Flow														
•						FLOW	STREAM ATT	RIBUTES		-				
Plate Coeffieci (F <sub>b</sub> ) (F Mcfd	ient ,)	Circle one: Meter or Prover Pressure psia		Press Extension  P <sub>m</sub> xh	Grav Fac F	tor	Flowing Temperature Factor F <sub>tt</sub>	Fa	riation actor <sub>pv</sub>	Metered Flo R (Mcfd)	w GOR (Cubic For Barrel	eet/	Flowing Fluid Gravity G <sub>m</sub>	
					(OPEN FL	OW) (DI	ELIVERABILIT	Y) CALCUI	ATIONS					
(P <sub>c</sub> ) <sup>2</sup> =		: (P <sub>w</sub>			P <sub>d</sub> =			(P <sub>c</sub> - 14.4) +		:	-	$)^2 = 0.2$ $)^2 = $	<del></del>	
(P <sub>c</sub> ) <sup>2</sup> - (F or (P <sub>c</sub> ) <sup>2</sup> - (F	_	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		oose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ ided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by:	P <sub>c</sub> <sup>2</sup> - P	2 SI	ressure Curve lope = "n" or Assigned ndard Slope	n x	rod	Antilog	Del Equals	pen Flow iverability S R x Antilog (Mcfd)	
									-					
Open Flor	w			Mcfd @ 14.	65 psia		Delivera	ability			Mcfd @ 14.65 ps	sia		
		ned authorit	y, on t	behalf of the	Company,	states th	nat he is duly				ort and that he h			
he facts s	tated the	erein, and th	at said	report is true	and correc	t. Exec	uted this the	9th	day of	luly			20 11 .	
<del>, , , , , , , , , , , , , , , , , , , </del>		Witn	ess (if ar	ny)			<del></del>	-		For	Company		RECEIV	

	der penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc.
and that the fore correct to the bes of equipment inst	going pressure information and statements contained on this application form are true and st of my knowledge and belief based upon available production summaries and lease records callation and/or upon type of completion or upon use being made of the gas well herein named.
	rounds that said well:
(Chec	k 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
_	ee to supply to the best of my ability any and all supporting documents deemed by Commission ry to corroborate this claim for exemption from testing.
_	
_	ry to corroborate this claim for exemption from testing.
staff as necessa	ry to corroborate this claim for exemption from testing.
staff as necessa	ry to corroborate this claim for exemption from testing.

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.

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KCC WICHITA