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

Type Test:				(3	See Instruc	tions on Rev	verse Side	)			
	en Flow			Test Date	:			API I	No. 15	2022	
Del	iverabilty			4/2/2011				007	-30263 ~		
Company Chesap		perating, Inc	<b>).</b>			Lease <b>Morrow</b>	/ A			1-1	Well Number
County Location Barber N/2 N/2 N/2			Section 1		TWP 35S		RNG (E/W) 14W			Acres Attributed	
<sup>Field</sup> Blunk South				Reservoir Cherokee				ering Conne Energy Serv			
Completion Date 8/15/66			Plug Bacl	Plug Back Total Depth		None		et at			
Casing Size Weight			Internal Diameter		Set at <b>4925</b>		Perforations 4824		то <b>4839</b>		
ubing Siz	ubing Size Weight 3/8 4.7		Internal Diameter 1.995		Set at <b>4832</b>		Perforations		То		
ype Com Single C	pletion (E	escribe)		Type Flui	d Productio water	n		Pump Un		Plunger? Yes	/ No
•	,	nulus / Tubing)			arbon Diox	ide		% Nitroge	en .	Gas Gı	ravity - G <sub>g</sub>
Annulus /ertical D 1925		wanta announce be announced			Pres	ssure Taps				, (Meter	Run) (Prover) Size
Pressure	Buildup:	Shut in	2	11 at 7	:00	(AM) (PM)	Täken_4/	′3	20	11 at 7:00	(AM) (PM)
Well on Li	ine:	Started	2	0 at	·····	(AM) (PM)	Taken		20	at	(AM) (PM)
					OBSERVE	ED SURFACI	E DATA			Duration of Shut	-in 24 Hours
Static / Dynamic Property	Orifice Size (inches)	Size Prover Pressure in		Flowing Temperature t	Temperature Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia		ubing ad Pressure (P <sub>1</sub> ) or (P <sub>c</sub> ) psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In		poig (i m)				38	52.4	psig 10	24.4	24	
Flow											
				-m-2-Ng-1	FLOW ST	REAM ATTR	IBUTES		······································		
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter or over Pressure psia  Press Extension P <sub>m</sub> x h		Gravity Factor F <sub>g</sub>		Eactor		iation Metered Flow ictor R F (Mcfd)		w GOR (Cubic F Barrel	eet/ Fluid Gravity
P <sub>o</sub> ) <sup>2</sup> =	:	(P <sub>w</sub> ) <sup>2</sup> =	:	•	, ,	VERABILITY .% (F	') CALCUL P <sub>c</sub> - 14.4) +		<u> </u>		) <sup>2</sup> = 0.207 ) <sup>2</sup> =
(P <sub>c</sub> ) <sup>2</sup> - (I	P <sub>a</sub> ) <sup>2</sup>	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Slo	essure Curve pe = "n" - or signed dard Slope	l n x i	og [	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flo	w		Mcfd @ 14	.65 psia		Deliverat	bility			Mcfd @ 14.65 p	sia
The	undersign		behalf of the	Company,						ort and that he h	nas knowledge of
ne racts s	stated ther	ein, and that said	u repoπ is tru	e and correc	Ji. ⊏XeCUIO	น แทร เท <b>e</b>		Jay OI			
		Witness (if a	any)						For	Company	RECEIVI
		For Commis	sion			•			Che	ecked by	SEP 06

xembi Si	atus under Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc.						
	ne foregoing pressure information and statements contained on this application form are true and						
orrect to	the best of my knowledge and belief based upon available production summaries and lease records						
	ent installation and/or upon type of completion or upon use being made of the gas well herein named.						
l here	by request a one-year exemption from open flow testing for the Morrow A 1-1						
as well o	n 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						
I furth	er agree to supply to the best of my ability any and all supporting documents deemed by Commission						
	ecessary to corroborate this claim for exemption from testing.						
<sub>ate:</sub> Jul	y 8, 2011						
	·						
	4						
	$\sim$ 2 3 $\pm$ 2						
	Signature:						

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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SEP 0.6 2011