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

Type Test	:				(	See Instruc	tions on Re	verse Side	)				
	en Flo				Test Date	<b>3</b> :			API	No. 15	~		
De	liverab	ilty			9/21/20					7-22470 -	<u>0000</u>		
Company Chesap		e Op	perating, In	c.			Lease Morro	w A			2-6	Vell Number	
County Barber			Location 330 FNL & 2000 FEL		Section 6		TWP 35S		RNG (E/W) 13W		,	Acres Attributed	
Fleid Aetna					Reservoir Mississ					hering Conn Energy Serv			
Completion Date 3/11/95				Plug Back Total De 5475			th	Packer Set at None			V 101101-1010-1011		
Casing Size 5 1/2			Weight 15.5		Internal Diameter 5.012		Set at <b>5521</b>		Perforations 4848		To 4854		
Tubing Size 2.375			Weight 4.7		Internal Diameter 1.995		Set at 4957		Perforations		То		
Type Completion (			escribe)		Type Fluid Production Water				Pump Un	it or Traveling Unit	Plunger? Yes	unger? Yes / No	
Producing		(Ani	nulus / Tubing	)	% C	arbon Dioxi	de		% Nitrog		Gas Gra	avity - G <sub>g</sub>	
Vertical D		1)				Pres	sure Taps	<del></del>			(Meter F	Run) (Prover) Size	
Pressure	Bulldu	p:	Shut in 9/21	20	10 at 1	0	(AM) (PM)	Taken 9/	22	20	10 at 10	(AM) (PM)	
Well on Li	ine:		Started	20	) at		(AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSERVE	D SURFAC	E DATA			Duration of Shut-i	n 24 Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )  psig psia		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In							75	99.4	2	16.4	24		
Flow													
	<del></del> 1	<del></del>				FLOW STE	EAM ATTE	RIBUTES					
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one: Meter or over Pressure psta	Press Extension P <sub>m</sub> xh	Gravity Factor F <sub>g</sub>		Flowing femperature Factor F <sub>tt</sub>	rature Factor		Metered Flow R (Mcfd)	y GOR (Cubic Fer Barrel)	Flowing Fluid Gravity G <sub>m</sub>	
		· <del>·</del> · · ·	<u> </u>					<u> </u>					
(P <sub>c</sub> ) <sup>2</sup> =			(P <sub>w</sub> ) <sup>z</sup> =_		(OPEN FL	OW) (DELIV		') CALCUL P <sub>e</sub> - 14.4) +			(P <sub>a</sub> ) <sup>2</sup> (P <sub>d</sub> ) <sup>2</sup>	= 0.207	
(P <sub>e</sub> ) <sup>2</sup> - (F	)²		P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> - P <sub>c</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> wided by: P <sub>c</sub> <sup>2</sup> - P <sub>c</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide	P.2. P.2	Backpre Slo	essure Curve pe = "n" - or signed dard Slope	n x l	.og [	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
							ļ .				· · ·		
Open Flov				Mcfd @ 14.6	S5 osia		Deliverat	oility	_1		Mcfd @ 14.65 psl:		
•		1			•	4-4 45 1-		<del></del>			,		
				d report is true							rt and that he ha	s knowledge of	
			Witness (if	any)	**************************************					For	Company	RECEIVED	
			For Commis			<del></del>	-				ked by	DEC 0 6 201	

l da	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request						
	status under Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc.						
	t the foregoing pressure information and statements contained on this application form are true and						
	to the best of my knowledge and belief based upon available production summaries and lease records						
	ment installation and/or upon type of completion or upon use being made of the gas well herein named.						
	reby request a one-year exemption from open flow testing for the Morrow A 2-6						
	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						
l fur	ther agree to supply to the best of my ability any and all supporting documents deemed by Commission						
staff as	necessary to corroborate this claim for exemption from testing.						
Date: _N	ovember 15, 2010						
	~ ^						
	$\frac{1}{1}$						
	Signature:						
	Title: David Wiist, Production Engineer						

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.

DEC 0 6 2010

KCC WICHITA