KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	;			(See Instruc	tions on Re	everse Side))			
∐ Op	en Flow			Test Date) :			API I	No. 15	~ A A A	
Del	liverabilty			4/1/201				187	-20629	0000	
Company Chesapeake Operating, Inc.						Lease Garey					Well Number
County Stanton		Location C NE SE		Section 18		TWP 29S		RNG (E/W) 39W		i	Acres Attributed
Field Sand Arroyo			Reservoir Morrov				Gas Gathering Connection Chesapeake Energy Marketing,In				
Completion Date 2/19/92			Plug Bac 5507	k Total Dep	th		Packer Set at				
Casing Size Weight 4.5			Internal Diameter		Set at 559 5		Perforations 5480		To 5485	To 5485	
Tubing Size		Weight 4.7		Internal Diameter 1.995		Set at 5477		Perforations		То	
Type Completion (Describe)			Type Fluid Production			<u> </u>	Pump Unit or Traveling Plunger? Yes / No				
Single Gas Producing Thru (Annulus / Tubing)					Water % Carbon Dioxide			% Nitrogen Gas Gr			avity - G
Annulus Vertical Depth(H)				Pressure Taps			(Max			Run) (Prover) Size	
5810	-μ ιι(11)					'				` 	(1 10401) 0120
Pressure Buildup: Shut in 4/1			20 <u>11</u> at 07:00			(AM) (PM) Taken 4/2		<u>/2</u> 20 .		11 at 07:00	(AM) (PM)
Well on L	ine:	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
					OBSERVE	D SURFAC	E DATA			Duration of Shut-	in <u>24</u>
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressur	1	Ftowing Temperature t	Well Head Temperature t	I Wallhaad Praceura		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
Shut-In		psig (Pm)	Inches H ₂ 0			psig 58	72.4	psig 57	71.4	24	
Flow									1 1.3		
		J			FLOW ST	LEAM ATT	IBUTES		<u> </u>		<u>.l</u>
Plate Coeffieci (F _b) (F	ient _e) <i>Pr</i>	Circle one: Pr Meter or Exte Prover Pressure psia		Grav Fac	rity	Flowing		riation actor = pv	Metered Flov R (Mcfd)	w GOR (Cubic Fe Barrel)	Gravity
(P _c) ² =	;	(P _w) ² =_	:	(OPEN FL	• •	/ERABILITY % (r) CALCUL P _o - 14.4) +		:	(P₀) (P₀)	² = 0.207
(P _c) ² - (F	·	P _c)² - (P _*)²	1. P _c ² - P _s ² 2. P _c ² - P _c ² ivided by: P _c ² - P _s ²	LOG of formula 1. or 2. and divide	P.2. P.2	Backpre Sko	essure Curve ope = "n" or ssigned dard Slope) n x L	og [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flor	W		Mcfd @ 14.	65 psia		Deliveral	bility			Mcfd @ 14,65 psi	a
	_									ort and that he ha	•
ne facts si	tated there	in, and that sai	d report is true	and correc	t. Executed	this the 8	sth	day of <u>Ju</u>	lly		, 20 <u>11</u> .
<u> </u>		Witness (if	any)						For	Company	RECEIVI
		For Commis	sion						Che	cked by	SEP U 6
											KCC WICH

exempt status und and that the foregoing correct to the best of equipment instant I hereby required	der Pule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc. going pressure information and statements contained on this application form are true and tof my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named. est a one-year exemption from open flow testing for the Garey 1-18 rounds that said well:
_	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 e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
Date: July 8, 201	Signature: 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 for REGENED signed and dated on the front side as though it was a verified report of annual test results.

SEP 0 6 2011