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

Type Test:  ✓ Open Flow					•	(See Instructions on Reverse Side)  Test Date: API No. 15											
Del	liverab	ilty				6-26-12					15	-007-22928-	00-0				
Company CHESAPEAKE OPERATING, INC.						Lease GUNDE				R		Well Number 1-14					
County Location BARBER 1165' FNL 7 1740' FWL					Section 14			TWP RNG 35S 15V			E/W)	,	Acres A	Attributed			
				Reservoir MISSIS			Gas Gathering Conne ATLAS				ecti	on					
Completion Date 1-17-06				Plug Bac 5160	Plug Back Total Depth 5160			¥	Packer NONE								
Casing Si 4.5	Casing Size Weight 4.5 11.6				Internal Diameter 4.000			Set at 5200			Perforations 5014		то 5106				
Tubing Si 2.375	Tubing Size Weight 2.375 4.7				Internal Diameter			Set at		Perf	orations		То				
Type Completion (Describe) SINGLE GAS						Type Fluid Production WATER/OIL				Pump Unit or Traveling PI YES-PUMP				Plunger? Yes / No			
Producing Thru (Annulus / Tubing) ANNULUS					% C	% Carbon Dioxide				% Nitro		Gas Gravity - G <sub>g</sub> .684					
Vertical Depth(H) 5060							Pressure Taps FLANGE							(Meter Run) (Prover) Size 2.067"			
Pressure Buildup: Shut in 6-22-12 20 at 0945 (AM) (PM) Taken 6-25-12 20 at 0945										(AM) (PM)							
Well on Line: Started 6			25-	12 20		at			(AM) (PM) Taken <u>6-26-12</u>				_ at <u></u>	(AM) (PM)			
							OBSE	RVE	D SURFAC	E DATA			Du	ration of Shut-	<sub>in</sub> _72	0 Hours	
Static / Dynamic Property	namic Size		Prover Pressure		Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	emperature Tempera		l .	Pressure		Tubing ead Pressure or (P <sub>t</sub> ) or (P <sub>c</sub> ) psia		Duration (Hours)	Liquid Produced (Barrels)		
Shut-In	n				-				170.5	184.9	poig	Pola	72.0				
Flow	Flow .375		18.8		6.3	96	96 75		35.3	49.7				4.0	9	9	
							FLOW	STR	EAM ATTR	IBUTES				1			
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension ✓ P <sub>m</sub> x h	Fac	Gravity Factor F <sub>0</sub>		Flowing emperature Factor F <sub>ft</sub>	Fa	riation actor = pv	Metered Flow R (Mcfd)		GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
.686	.686		33.20 -		14.46	1.209	1.2091		9671	1.002	29	11.6		NONE		0.684	
(P <sub>c</sub> ) <sup>2</sup> = 3	4.2	:	(P <sub>w</sub> )	2	2.5	(OPEN FL	OW) (DI 26.9			') CALCUL P <sub>c</sub> - 14.4) +				(P <sub>a</sub> ) <sup>2</sup>	2 = 0.2 2 =	07	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Cho	nose formula 1 or 2. 1. $P_c^2 - P_s^2$ 2. $P_c^2 - P_d^2$ ded by: $P_c^2 - P_w^2$	LOG of formula 1. or 2.	formula 1. or 2. and divide p2_p2		Backpre Slo	essure Curve pe = "n" - or signed dard Slope	9	LOG		Antilog	Open Flow Deliverability Equals R x Antilog (McId)		
33.98	33.98		31.72		071	0.029	0.0299		0.850	·	0.0	0254	1.0603		12.34		
L	Open Flow 12				Mcfd @ 14.		5 psia		Deliverat	oility		L		fd @ 14.65 psi	a		
The	unders				· ·	Company,			e is duly a	uthorized (		the above repo				RECEIVED  12 0 9 2012	
Co	pg	10	K CC For Co	mmissi	Wys (1)	45						Mash. Che	cked	by Dan	KC(	C WICHITA	

l declare u	nder penalty of perjury under the laws of the state of Kansas that I am authorized to request
	under Rule K.A.R. 82-3-304 on behalf of the operator
	regoing pressure information and statements contained on this application form are true and
	est of my knowledge and belief based upon available production summaries and lease records
	istallation and/or upon type of completion or upon use being made of the gas well herein named.
	quest a one-year exemption from open flow testing for the
	grounds that said well:
•	
(Che	eck 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
Ī	is on vacuum at the present time; KCC approval Docket No
Ī	is not capable of producing at a daily rate in excess of 250 mcf/D
I further ag	ree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necess	ary to corroborate this claim for exemption from testing.
	;
Date:	
Date	
	Signaturo
	Signature:
) 	Title:
- 1	ನಗಳ ಕೃತ್ಯ ಅರ್ಥಕ್ಷಣಗಳ ಪ್ರತಿಕರು ಅರ್ಥಿಸಿಕೆ ಸಿನಿಗಳಿಗೆ ಬಳಕ ಕೃತ್ಯಾಗಿಗಳ ಪ್ರತಿಕರು ಅರ್ಥಿಕೆ ಹೇಳಿ ಕೆಲಕು ಅಭಿಸ್ಥಾನಿಕೆ ಅನ್ನು ಆ
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## 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.