KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(-	See Instruct	ions on Re	verse Side)				
□ Op	en Flo	w			T D				4.00	No. 45			
De	liverab	ilty			Test Date 2/25/201	-			15	No. 15 18920490	$-\infty$		
Company		e Or	perating, Ir	nc.			Lease Brown	K Unit				Well Nu	mber
County Steven	County Stevens		Location C NW		Section 9			TWP 33S		(W)	Acres Attribute		ttributed
Field Walkemeyer					Reservoir Morrow				thering Conn Energy Ser				
Completion 7/17/80		e			Plug Back	Plug Back Total Depth		Packer		Set at			
Casing S 5 1/2"			Weigh	!	Internal D	Internal Diameter		Set at 6200		rations 2	To 6022		
Tubing S	ize		Weigh		Internal C	Internal Diameter		Set at		rations	То		
Type Con	npletio	n (Di	escribe)			d Production			Pump Ui Plungi		Plunger? Yes	/ No	
Producing	g Thru	(Anı	nulus / Tubing)		arbon Dioxi			% Nitrog	jen	Gas G	avity - G	· · · · · · · · · · · · · · · · · · ·
Casing													
Vertical D	epth(i	1)				Pres	sure Taps				(Meter	Run) (Pr	over) Size
Pressure	Buildu	ıp:	Shut in 2/2	5 2	0 11 at 0	7:00	(AM) (PM)	Taken_2/	26	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	Hours
Static / Dynamic	Orifi Siz	:0	Circle one: Meter Prover Pressu	Pressure Differential	Flowing Temperature	g Well Head Casing Tubing Well Head Wellhead Pressure Wellhead Pressure Duration			d Produced Barrels)				
Property	roperty (Inches)		psig (Pm)	Inches H ₂ 0	t	t	psig psia		psig psia			,	
Shut-In							159	173.4	158	172.4	24		
Flow													
						FLOW STR	EAM ATTR	IBUTES					
Coeffied (F _b) (F	Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Metar or over Pressure psia	Press Extension √ P _m x h	Extension Factor		or Temperature		iation ictor	Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
							<u> </u>						
(P _e) ² =		_;	(P _w) ² =	:	(OPEN FLO	OW) (DELIV) CALCUL P _c - 14.4) +		:	(P _a)) ² = 0.26	07
(P _e)²- (I	•	(F	P _p)2- (P _w)2	1. P _c ² - P _s ² 2. P _c ² - P _s ² wided by: P _s ² - P _s ²	LOG of formuta 1. or 2. and divide	P. 2 - P. 3	Slo	ssure Curve pe = "n" - or signed ard Slope		roe	Antilog	Deli Equals	en Flow verability R x Antilog Mc(d)
						<u> </u>	3.4.19						
Open Flo	w			Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd @ 14.65 ps	ia	
		_	•	behalf of the	• •		·		o make the	•	ort and that he ha		ledge of 20 11
	naiou l	. 10101	, and mai 50	io report is trut	and conec				uay 01	·			
			Witness (il	any)			-			For (Company	ECEI\	/ED
			For Comm	ssion			-			Che	cked by SE	P-0-6	2011

ovomot	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
correct	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 Brown K Unit 2-9
gas wel	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 fuu	ther agree to supply to the best of my ability any and all supporting documents deemed by Commissic
	necessary to corroborate this claim for exemption from testing.
J.a.i. ao	nococcar, to contract and claim for exemplications and
Data: .l	uly 8, 2011
Date	uy 0, 2011
	-1210
	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.

RECEIVED
SEP 0 6 2011
KCC WICHITA