## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	:				(	See Instruc	tions on Rev	erse Side	<del>)</del> )			
Open Flow					Test Date	Test Date: API No. 15						
Deliverabilty				8/16/2015				15-189-21024 - <b>6000</b>				
Company		Oper	rating, L.L.0	).			<sub>Lease</sub> Grothe	В			1-23	Well Number
County Stevens			Location 3960 FSL & 1320 FEL		Section 23		TWP 33S			RNG (E/W) 35W		Acres Attributed
Field Shuck					Reservoir Mississ					ering Conn Energy Ser		
Completic 5/5/87	on Dat	te			Plug Bac 6180	k Total Dep	oth		Packer S	et at		
Casing Si 5.5	ize	Weight 15.5			Internal Diameter 4.950			Set at 6469		ations	то 6012	
Tubing Size 2.875		Weight 6.5		nt	Internal Diam 2.441		er Set at 5994		Perforations		. To	
Type Con	npletio	n (De				d Productio		<u> </u>		it or Traveling	Plunger? Yes	/ No
Gas	T1	(Annulus / Tubing)			% Carbon Dioxide				Plunger % Nitrogen			
Tubing	j intu	(Ani	nuius / Iudin	9)	% C	arbon Diox	alde		% Nitrogo	en	Gas Gr	avity - G <sub>g</sub>
Vertical D	epth(l	<del>1</del> )				Pres	ssure Taps				(Meter I	Run) (Prover) Size
6475 Pressure	Buildu	ib:	Shut in _8/1	5 2	0 15 at 8	:00		Taken 8/	′16	20	15 at 8:00	(AM) (PM)
Well on L		•		,							at	
_			<b>-</b> 0			OBSERVI	ED SURFACE	DATA			Duration of Shut-	in_24 Hours
Static / Dynamic			Circle one: Meter	Pressure Differential	Flowing Temperature	Well Head Temperature	Wellhead Pressure		Tubing Wellhead Pressure		Duration	Liquid Produced
Property	(inch	nes) Prover Presso psig (Pm)			t	t	psig	(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		(P <sub>1</sub> ) or (P <sub>c</sub> ) psia	(Hours)	(Barrels)
Shut-In				·			103	117.4	102	116.4	24	
Flow			<u> </u>									
		_		T		FLOW ST	REAM ATTRI	BUTES				
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P <sub>m</sub> xh	Grav Fac F <sub>i</sub>	tor	Flowing Temperature Factor F <sub>f1</sub>		riation actor F <sub>pv</sub>	Metered Flov R (Mcfd)	w GOR (Cubic Fe Barrel)	I farmuity I
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> )² =	·:	•		VERABILITY) % (P		_ <b>ATIONS</b> - 14.4 =	:	(P <sub>a</sub> ) (P <sub>d</sub> )	² = 0.207 ² =
(P <sub>c</sub> ) <sup>2</sup> - (I	P <sub>a</sub> ) <sup>2</sup>	(F	P <sub>c</sub> )² - (P <sub>w</sub> )²	Choose formula 1 or z  1. $P_c^2 - P_o^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w$	LOG of farmula 1, or 2, and divide		Slop	ssure Curve e = "n" or signed ard Slope		.og [ ]	Antilog	Open Flow Deliverability Equals B x Antilog (Mcfd)
0 51-				N-44 @ 44	05 and		Deliversh				N-64 @ 44 CF	<u> </u>
Open Flo				Mcfd @ 14	- <u>·</u>	-4-4 414	Deliverab	· · · · ·		_	Mcfd @ 14.65 ps	
		-		aid report is tru		t. Execute	d this the 3			ovember	ort and that he ha	, 20 <u>15</u>
			Witness	(if any)			PRPORATION CO			For	Company	<del></del>
			For Com							Cha	cked by	
			Forcom	HESSIUII		CONSI	ERVATION DIVI WICHITA, KS	SION		Che	oncu by	

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, L.L.C. and that 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 of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.  I hereby request a one-year exemption from open flow testing for the Grothe B 1-23 gas well 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  I further 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:
Signature: Sara Everett Regulatory Analyst

## 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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