KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test: ✓ Open Flow	(See Instruct	ions on Reverse Side)						
Deliverabilty	Test Date: 9/3/2015	API No. 15 15-189-21254 → 0000							
Company Chesapeake Operating, L.L.C.	,	Lease Brownell C			ell Number -				
County Location Stevens 660 FSL & 660 FEL	Section 1	TWP 32S	RNG (E/W)	Acr	res Attributed				
Field Larrabee	Reservoir Mississippian		Gas Gathering Conn OneOk Field Service		1				
Completion Date 12/8/88	Plug Back Total Dept	h	Packer Set at	;					
Casing Size Weight 5.5 14.0	Internal Diameter 5.012	Set at 6344	Perforations 5530	то 6053					
Tubing Size Weight 2.875 6.5	Internal Diameter 2.441	Set at	Perforations	To	· · · · · ·				
Type Completion (Describe)	Type Fluid Productier Water	,	Pump Unit or Traveling Pump Unit	Plunger? Yes /	No ···				
Single Gas Producing Thru (Annulus / Tubing)	% Carbon Diozi	de	% Nitrogen	Gas Gravi	ty - G _o				
Annulus Vertical Depth(H)	Proc	sure Taps		/Motor Ru	n) (Prover) Size				
6344	<u> </u>		· · · · · · · · · · · · · · · · · · ·	<u>.</u>					
Pressure Buildup: Shut in 9/2	20_15 at_8:00	(AM) (PM) Taken 9/3	3 . 20,	15 at 8:00	(AM) (PM)				
Well on Line: Started	20 at	(AM) (PM) Taken	·· 20	at	(AM) (PM)				
	OBSERVE	D SURFACE DATA		Duration of Shut-in	24 Hours				
Static / Orifice Meter Differential Property (inches) Pigg (Pm) Pressure psig (Pm) Pressure psig (Pm)	Temperature Temperature	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c)		Liquid Produced (Barrels)				
Shut-In Shut-In		psig psia 25 39.4	psig psia 0 14.4.	24	····				
Flow									
	FLOW STR	EAM ATTRIBUTES	***		· · · · · · · · · · · · · · · · · · ·				
Plate Coefficient: (F _b) (F _p) Motor Circle one: Meter or Press Extension Prover Pressure psia Press Fress Fr	Gravity Tactor T	emperature Fa	ation Metered Flow ctor R (Motd)	w GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m				
				1	1 5				
(OPEN FLOW) (DELITERABILITY) CALCULATIONS (Pa)2 = 0.207									
(P _c) ² = (P _w) ² = :	P _d =	(P _c - 14.4) +	14.4 = <u>· · · </u>	(P _d) ² =	· · · · · · · · · · · · · · · · · · · 				
$ \begin{array}{c cccc} (P_c)^2 - (P_a)^2 & (P_c)^2 - (P_w)^2 & 1. \ P_c^2 - P_a^2 \\ or & \\ (P_c)^2 - (P_a)^2 & 2. \ P_c^2 = P_d^2 \end{array} $	LOG of formula 1. or 2.	Backpressure Curve Slope = "n"or Assigned	n x LOG	Antilog	Open Flow Deliverability iquals R'x Antilog				
divided by: P _c ² - P		Standard Slope		7 37	(Mcfd)				
Open Flow	J.65 psia	Deliverability .		Mcfd @ 14.65 psia	· . · · · · · · · · · · · · · · · · · ·				
The undersigned authority, on behalf of the	Company, states that n			ort and that he has	knowledge of				
the facts stated therein, and that said report is tri	ie and correct. Executed	this the 20	day of October		, ₂₀ <u>15</u>				
KCC WICHITA									
Witness (if any)	OCT 26	2015	:. •	Company :	· ·				

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		t.	•		•	
I declare un exempt status un and that the for correct to the be of equipment ins	nder penalty of perjunder Rule K.A.R. 82- egoing pressure infect of my knowledge stallation and/or upouest a one-year executors.	-3-304 on behalf of ormation and state and belief based t n type of completic emption from open	the operator <u>Ch</u> ements containe pon available pr n or upon use be	esapeake Operatired on this application oduction summaries ing made of the ga	ng, L.L.C. on form are true a es and lease reco	and rds
(Che.	ck one) is a coalbed meth is cycled on plun is a source of na is on vacuum at t	hane producer nger lift due to wate tural gas for injecti the present time; K producing at a da	on into an oil res CC approval Dod ily rate in excess	of 250 mcf/D	<u> </u>	ission
	ary to corroborate th	· · · · · · · · · · · · · · · · · · ·		_	Seriled by Commi	
Date: _10/20/20	· · · · · · · · · · · · · · · · · · ·					
		Signature: _	Sara	Enert	· · · · · · · · · · · · · · · · · · ·	
		Title: _	Sara Everett, Ro	egulatory 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.