KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	(See Instructi	ons on Reverse Side	9)						
Open Flow	Test Date:	•	API No. 15						
Deliverabilty	8/15/2015		15-189-20490 -		•				
Company Chesapeake Operating, L.L.C.		Lease Brown K Unit		2-9	Well Number				
County Location Stevens 3960 FSL & 3960 FEL	Section 9	TWP 33S	RNG (E/W) . 36W		Acres Attributed				
Field Walkemeyer	Reservoir Morrow		Gas Gathering Conno OneOk Field Service		 				
Completion Date 7/17/80	Plug Back Total Dep# 6177	1 ,	Packer Set at						
Casing Size Weight 5 1/2	Internal Diameter	Set at 6200	Perforations 6012	то [.] 6022					
Tubing Size Weight	Internal Diameter	Set at	Perforations	То	· · · ·				
Type Completion (Describe) Gas	Type Fluid Production	:	Pump Unit or Traveling Plunger	Plunger? Yes	/ No				
Producing Thru (Annulus / Tubing) Casing	% Carbon Dioxid	le ; * *	% Nitrogen	Gas Gra	avity - G _o				
Vertical Depth(H) 6200	Press	ure Taps	. 1	(Meter F	Run) (Prover) Size				
Pressure Buildup: Shut in 8/14	15 at 8:00	(AM) (PM) Taken 8/	15 20	15 at 8:00	(AM) (PM)				
		*	20	at	(AM) (PM)				
	OBSERVE	SURFACE DATA	•	Duration of Shut-i	24 Hours				
Property (inches) Prover Pressure in	Flowing Well Head Temperature t t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)	Tubing Wellhead Pressure (P_w) or (P_t) or (P_t)	Duration (Hours)	Liquid Produced (Barrels)				
Shut-In		psig psia 116 130.4	psig psia 117 131.4	24	":				
Flow			. ,						
1. 1	FLOW STR	EAM ATTRIBUTES	, ,,,		. , :.				
Plate Clicle one: Coefficient Meter or (F _b) (F _p) Prover Pressure Mcfd psla Clicle one: Press Extension ✓ P _m x h		emperature Fa	iation Metered Flov ctor R 	v GOR (Cubic Fe Barrel)					
		:	; : : : i						
(OPEN FLOW) (DELIVERABILITY) CALCULATIONS (Pa)2 = 0.207									
$(P_c)^2 = \frac{1}{2}$ $(P_w)^2 = \frac{1}{2}$ Choose formula 1 or 2:	P _a =%	(P _c - 14.4) +		: (P _d) ²	' <u>= 1</u>				
$(P_o)^2 - (P_a)^2$ $(P_o)^2 - (P_w)^2$ 1. $P_o^2 - P_a^2$	LOG of formula	Backpressure Curve Slope = "n"	n x LOG		Open Flow Deliverability				
$(P_c)^2 - (P_d)^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	1. or 2. and divide P2 P2 by:	Assigned Standard Slope	:	: Antilog	Equals R x Antilog (Mcfd)				
	1								
I had to the control of the control	: .	;	F 2 F	The H	;				
Open Flow Mcfd @ 14.6	55 psia .· ·	Deliverability		Mcfd @ 14.65 psi	a				
The undersigned authority, on behalf of the			o make the above repo	rt and that he ha	s knowledge of				
	KCC WIC			, Y					
Witness (if any)	OCT 26 2	2015	:	Company					

		•	• •	•
: .		•		
0000		. :		
I declare under penalty of perjury und	er the laws of the s	tate of Kansas tha	at I am authorized	to request
exempt status under Rule K.A.R. 82-3-304				
and that the foregoing pressure information		,		e true and
correct to the best of my knowledge and be				
of equipment installation and/or upon type of				•
I hereby request a one-year exemption		· · · · · · · -	_	
gas well on the grounds that said well:		<u>-</u>		
(Check one)	;; ; , , , ; , ; ,			
is a coalbed methane p	roducer		•	
is cycled on plunger lift	due to water			
is a source of natural ga	as for injection into a	n oil reservoir und	lergoing ER	
is on vacuum at the pres	sent time; KCC appr	oval Docket No	, ', <u> </u>	_ _
✓ is not capable of produc	oing at a daily rate ir	excess of 250 m	cf/D	
			•	
I further agree to supply to the best of	my ability any and a	ll supporting docu	iments deemed by	Commissio
staff as necessary to corroborate this clair	n for exemption fron	n testing.		
		*** ** * ;		
Date: 10/20/2015	· · · · · · · · · · · · · · · · · · ·		n, ee	
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an en l'en en et	Signature:	na Euei	e D	
	Title: Sara Ev	erett, Regulatory	Analyst	
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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.