Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Tes	t:				(See Instruc	tions on Re	verse Side)				
√ Op	en Flo	w			Tool Date				۸DI	No 15			
Deliverabilty					Test Date: 8/24/2014			API No. 15 15-189-21254 – 0000					
Company Chesapeake Operating, L.L.C.						Lease Brownell C			3-1				ımbe r
County Location Stevens 660 FSL & 660 FEL					Section 1		TWP 32S		RNG (E/W) 35W			Acres Attributed	
Field Larrabee					Reservoir Mississippian			Gas Gat OneOk					
Completion 12/8/88		e	-		Plug Bac 6281	k Total Dep	th		Packer s	Set at		JUA	V DE
Casing Size 5.5			Weigi 14.0	nt	Internal Diamete 5.012		Set at 6344		Perforations 5530		то 6053	To RECE, 1	
Tubing Si	ize		Weigl	nt	Internal I 2,441	Diameter	Set a 5374			rations	То		VED
Type Completion (Describe) Single Gas				Type Flui Water	Type Fluid Production			Pump Unit or Traveling Plunger? Yes Pump Unit					
		(Ап	nulus / Tubin	g)	% C				% Nitrog		ravity - G		
Annulus			_										
Vertical D	Depth(F	1)		-		Pres	sure Taps				(Meter	Run) (P	rover) Size
6344 Pressure	Buildu	n·	Shut in 8/2	3 ,	14 _{at} 8	:00	(AM) (PM)	Taken 8/	24		14 _{at} 8:00		(AM) (PM)
Well on L		•									at		
						OBSERVE	D SURFACI	DATA			Duration of Shut	in_24	Hours
Static / Orifice Dynamic Size Property (inches)		8	Circle one: Meter Prover Press psig (Pm)	Pressure Differential in Inches H,0	Flowing Well Hea		re (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _l) or (P _d)		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			poig (i iii)	manes mgs		,	psig 30	psia 44.4	psig 0	14.4-	24		
Flow													
			_			FLOW STE	REAM ATTR	BUTES					
Plate Coeffied (F _b) (F Mold	ient p)	Pro	Circle one: Meter or over Pressure psia	Press Extension P _m x h	Grav Fac F _s	tor	Flowing Temperature Factor	Fa	iation ctor	Metëred Flov R (Mefd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
				<u> </u>									
/D \2			/D \2		•		'ERABILITY					² = 0.2	07
$(P_c)^2 = $		<u>-:</u>	(P _w)*=	Choose formula 1 or 2				' _c - 14.4) +		 :	(P _d)	² =	
$(P_o)^2 - (P_a)^2$ or $(P_o)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		 P_o² - P_a² P_o² - P_o² divided by: P_o² - P_o² 	LOG of formula 1. or 2. and divide by:	formula 1. or 2. and divide P2. P2		Backpressure Curve Slope = "n" or Assigned Standard Slope		rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
		_		- c w				-					
								1			·		
Open Flow		Mcfd @ 14.65 psia					Deliverability			Mcfd @ 14.65 psia			
		_		n behalf of the			•			•	rt and that he ha	ıs know	•
			Witness (if any)			_			For C	Company		
			For Comm	nission			_			Chec	ked by		

exempt s	e under 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 Chesapeake Operating, L.L.C.	
	foregoing pressure information and statements contained on this application form are true and best of real large and best of real large and best of real large and lar	
	e best of my knowledge and belief based upon available production summaries and lease record	
	t installation and/or upon type of completion or upon use being made of the gas well herein named request a one-year exemption from open flow testing for the Brownell C 3-1	۸.
		_
yas well	KCo.	
	Check one)	v_{C_l}
	is a coalbed methane producer	204
	he 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	<i>40]5</i> La
	is a source of natural gas for injection into an oil reservoir undergoing ER	ED
	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	
	agree to supply to the best of my ability any and all supporting documents deemed by Commissessary to corroborate this claim for exemption from testing.	sion
Date: <u>5/</u>	2014	
	Signature: Vertel Wight	
	Title: Katie Wright, 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.