KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:					(See Instru	ctions on Re	verse Side	e)			
Ope	n Flow	1			Test Date	·•			ΔD	No. 15		
Deliverabilty				06/14/2013				075-20700 - 000				
Company Chesape	eake	Operating,	Inc	•			Lease Shoup				3-35	Well Number
County Location Hamilton SE SE NW NW				Section 35		TWP 22S			/W)	Acres Attributed		
Field Bradshaw				Reservoir Winfield			Gas Gathering Connection OneOk Energy Services					
Completion Date 8/25/99				Plug Back Total Depth 2681				Packer S None				
Casing Size Weight			Internal E 4.052	Diameter		Set at 2699		orations 9	то 2639			
ubing Size Weight			Internal E 1.995	Diameter	Set	Set at 2651		orations	То			
Type Completion (Describe)					Type Fluid Production			Pump Unit or Traveling Plunger? Yes / No Yes- pump				
Single Gas Producing Thru (Annulus / Tubing)					% Carbon Dioxide				% Nitrogen Gas Gravity - G _g .799			
Annulus Vertical Depth(H)					Pressure Taps					(Meter F	Run) (Prover) Size	
2700'		0.	2/4.0		40 7	Flai			C/4.4		2.067	
•		: Shut in			13 at 7:00							(AM) (PM)
Vell on Lir	ne:	Started		20	0 at		_ (AM) (PM)	laken		20	at	(AM) (PM)
						OBSERV	ED SURFAC	E DATA			Duration of Shut-	in 24 Hours
Static / Orifice Dynamic Size		e Meter	Circle one: Meter Prover Pressure			Well Head Temperature	Wellhead	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing ead Pressure or (P _c) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Property	(inche	s) psig (Pm)		in Inches H ₂ 0	t	t	psig	psia	psig	psia		
Shut-In							34	48.4	88	102.4	24	
Flow												
					· I	FLOW ST	REAM ATTR	RIBUTES		T		
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia	Meter or Prover Pressure		Grav Fact F _s	tor	Flowing Temperature Factor F _{f1}	Fa	viation actor F _{pv}	Metered Flor R (Mcfd)	w GOR (Cubic Fe Barrel)	l Gravity l
					(OPEN FL	OW) (DELI	VERABILITY	r) CALCUI	LATIONS		(D.)	2 0.007
P _c) ² =		_: (P _w):	2 =	:	$P_d =$			P _c - 14.4) +		÷	(P _d)	² = 0.207 ² =
(P _c) ² - (P _c) or (P _c) ² - (P _c)		(P _c) ² - (P _w) ²	: :	nose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ ded by: $P_c^2 - P_d^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Slo As	essure Curvo ppe = "n" or ssigned dard Slope	n x	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
						-						
Open Flow	V			Mcfd @ 14.	oo psia		Deliveral	Dility			Mcfd @ 14.65 psi	a
	•	•			• •		•			•	ort and that he ha	_
e facts sta	ated th	erein, and that	said	report is true	e and correc	t. Execute	ed this the		day of	, and		KCC WICH
		Witnes	s (if an	y)				***************************************		For	Company	
		For Co	mmissi	on	······································					Che	cked by	JUL 0 1 20
		, 3, 00								One		RECEIVE

exempt status and that the fo correct to the l of equipment i I hereby re	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, Inc. pregoing pressure information and statements contained on this application form are true and best of my knowledge and belief based upon available production summaries and lease records installation and/or upon type of completion or upon use being made of the gas well herein named. Equest a one-year exemption from open flow testing for the Shoup 3-35 e grounds that said well:
[[[I further a	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 gree to supply to the best of my ability any and all supporting documents deemed by Commission sary to corroborate this claim for exemption from testing.
Date: 06/25/2	2013
	Signature: Chardson, Regulatory Technician III

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.

JUL 0 1 2013 RECEIVED