KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

County Hamilton Field					9:				No. 15		
Chesapeal County Hamilton Field	ke Op			5/23/12				075	5-20161 -C	00-00	
Hamilton Field		perating, li	nc.			Lease Wood				3-13	Well Number
	•		Section 13		TWP 24S		RNG (E/W) 41W			Acres Attributed	
Bradshaw				Reservoir Chase					hering Conn haw Gas C		
Completion Date 2/17/1977			Plug Back Total Depth 2365				Packer Set at None				
Casing Size 4.5			t	Internal Diameter 4.052		Set at 2380		Perforations 2322		то 2336	
Tubing Size 2.375			t	Internal Diameter 1.995		Set at 5353		Perforations		То	
Type Complete Single Gas		escribe)		Type Flui Water	d Production	1	<u>-</u>	Pump Ur Pump	nit or Traveling Unit	Plunger? Yes	/ No
Producing Thr Annulus	ru (Anı	nulus / Tubinç	3)	% C	Carbon Dioxi	de		% Nitrog	en	Gas Gr .76	ravity - G _e
Vertical Depth	ı(H)				Pres Flan	sure Taps Ge				(Meter	Run) (Prover) Size
Pressure Build	5/22		2 20	12 at 7				23	20		(AM) (PM)
Well on Line:	:	Started	20) at		(AM) (PM)	Taken		20	at	(AM) (PM)
		Circle one:	1	· · · · · · · · · · · · · · · · · · ·	OBSERVE	D SURFACI		1		Duration of Shut	in 24 Hou
Dynamic S	tatic / Orifice Meter		Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature Temperatur		Casing Wellhead Pressure (P_) or (P_1) or (P_2) psig psia		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig psia		Duration (Hours)	Liquid Produced (Barrels)
Shut-In						49	63.4	68	82.4	24	
Flow					. <u>.</u> .,						
			1		FLOW STR	EAM ATTR	IBUTES				
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or over Pressure psia Press Extension √ P _m x h		Gravity Factor F		Flowing Femperature Factor F ₁₁	Deviation Factor F _{pv}		Metered Flow R (McId)	(Cubic Fe Barrel)	I Gravity
<i>y</i>				(OPEN FL	OW) (DELIV	ERABILITY) CALCUL	ATIONS			
P _c) ² =	<u>.</u> :	(P _w) ² =		P _d =			° - 14.4) +		;	_	² = 0.207 ² =
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	(P	° _e)²- (P _#)²	Choose formula 1 or 2: 1. P _c ² - P _g ² 2. P _c ² - P _g ² divided by: P _c ² - P _g ²	LOG of formula 1, or 2, and divide by:	P ₂ - P ₂	Slop	ssure Curve pe = "n" - or signed ard Slope	n x t	.oo []	Antitog	Open Flow Deliverability Equals R x Antilog (Mcfd)
	1						· · ·				
Open Flow		Mcfd @ 14.65 psia				Deliverability				Mcfd @ 14.65 psia	
										rt and that he ha	_
Witness (if any)						_			For C	Company	RECEI JUN 1

exempt status un	der penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc.
correct to the bes of equipment inst I hereby requ	going pressure information and statements contained on this application form are true and st of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named. lest a one-year exemption from open flow testing for the Wood 3-13 rounds that said well:
	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 te to supply to the best of my ability any and all supporting documents deemed by Commission by to corroborate this claim for exemption from testing.
	Signature: Aletha Dewbre, Regulatory Specialist

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.

JUN 1 1 2012

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