KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

,	t: oen Flo eliveral			•		Test Date	e:	structi	ions on Re	everse Sid	AP	I No. 15	~~ . D(^			
Company	y		norotina	Inc		9/22/20	10		Lease		07	5-20/41 -	00-00	Well Num	nber	
Chesapeake Operating, Inc. County Location Hamilton NW SE SE					Section 11				TWP 22S		/W)	4-11	4-11 Acres Att			
Field Bradshaw					Reservoi Winfiel			220			thering Conn		·			
Completion Date 3/4/01						Plug Back Total Depth 2775			Packer Set at None				***************************************			
Casing Size Weight 4.5 10.5				internal I 4.090	Internal Diameter 4.090			Set at 2850		orations 1	то 2639					
Tubing S 2.375	Tubing Size Weight 2.375 4.7				Internal I 1.995	Internal Diameter 1.995			Set at 2716		Perforations		То			
Type Completion (Describe) Single Gas					Type Flui Water	Type Fluid Production Water				Pump Unit or Traveling Plunger? Yes / No Pump Unit						
Producing Thru (Annulus / Tubing) Annulus						% C	% Carbon Dioxide				% Nitrogen Gas 0 0.78			Gravity - G _g		
Vertical Depth(H) 2850						Pressure Taps Flange				(Meter Run) (Prover) Size 3.068						
Pressure Buildup: Shut in 9/22 20					0 10 at 7	:00		(AM) (PM)	M) Taken 9/23		20	10 at 7:00	(A	M) (PM)		
Well on L	ine:		Started		2	0 at			(AM) (PM)	Taken		20	at	(A	M) (PM)	
[T				OBSE	RVED	SURFAC		<u></u>		Duration of Shut-	-in 24	Hours	
Static / Dynamic Property	amic Size		Meter Prover Pressure		ressure ferential in hes H ₂ 0	Flowing Temperature t	Well H Tempera t	rature Wellhead Pi		Pressure	Wellhe	Tubing ead Pressure r (P,) or (Pc) psia	Duration (Hours)		id Produced (Barrels)	
Shut-In		······································							38	52.4	40	54.4	24			
Flow											<u> </u>					
Plate Coeffieci (F _b) (F _b Mcfd	ent	nt Meler or Ex			Press tension P _m xh	Gravity Factor F _g		Flowing Temperature Factor F ₁₁		Deviation Factor F _{pv}		Metered Flow GOI R (Cubic (Mcfd) Barre			Flowing Fluid Gravity G _m	
(P _c) ² =		_:_	(P _w) ²	=	:	(OPEN FLO	, ,	LIVE) CALCUL ² c - 14.4) +		:	(P _a)	² = 0.207 ² =	n n n n n n n n n n n n n n n n n n n	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²		LOG of formula 1. or 2. and divide by:		Stope or Assig		ssure Curve pe = "n" or signed ard Slope	0.81	LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flow	v			Mcfe	d @ 14.6	65 psia			Deliverab	ility			Mcfd @ 14.65 psi	a		
						Company, s						e above repo	rt and that he ha	s knowled	-	
- L'		 11 11	Wilness	(if any)		T-1		_				For C	ompany	······································	RECE	
			For Com	mission				_		······································		Chec	ked by		DEC (

exempt status under and that the forego- correct to the best of equipment instal	or penalty of perjury under the laws of the state of Kansas that I am authorized to request the Price Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc. Doing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records lation and/or upon type of completion or upon use being made of the gas well herein named.
	st a one-year exemption from open flow testing for the <u>Cheatum 4-11</u> unds that said well:
(Check	
	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
	to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: November 1	5, 2010
	Signature:

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.

RECEIVED

DEC 0 6 2010

KCC WICHITA