KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				(See Instru	ctions on Re	verse Side)			
Open F				Test Date				API	No. 15	\sim	
Deliver	abilty			6/10/20	10			129	No. 15 920655 —(Late II & France 1
^{Company} Chesapea	ke Op	perating,	Inc.			Lease Haywa	ard			1-20	Well Number
County Location Morton C SE SW			Section 20		TWP 31S			W)	Acres Attributed		
Field Kinsler			Reservoir Morro v					hering Conn i <mark>dstream M</mark> a			
Completion Date 4/25/83				Plug Bac 5515	k Totał De	pth	1 P		et at		
Casing Size 7.0	-			Internal 0 6.456	Diameter	Set at 5694		Perforations 5009		то 5022	
Tubing Size Weight 2.875 6.5			Internal D 2.441	Diameter		Set at 5110		rations	То		
Type Completion (Describe) Gas				Type Flui Oil	d Producti	on	Pump Unit or Traveling Pump Unit			Plunger? Yes	/ No
Producing Thru (Annulus / Tubing) Annulus				% C	arbon Dio	xide	% Nitrogen		Gas Gravity - G		
	/ertical Depth(H)				Pressure Taps					(Meter	Run) (Prover) Size
Pressure Buil	dup:	Shut in <u>6/</u>	10 2	0_10_at_1	1	(AM) (PM)	Taken 6/	11	20	10 at 11	(AM) (PM)
Well on Line:		Started	2	0 at		_ (AM) (PM)	Taken	 	20	at	(AM) (PM)
					OBSERV	ED SURFAC	E DATA			Duration of Shut	-in <u>24</u> Hour
Dynamic S	rifice Size ches)	Circle one: Meter Prover Press	Differential in	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P ₂)		Duration (Hours)	Liquid Produced (Barrels)
Shut-In		psig (Pm) Inches H ₂ 0			psig 3	psia 17.4	psig O	14.4	24	
Flow										<u> </u>	
					FLOW ST	REAM ATTR	IBUTES		1		
Plate Coefficcient (F _b) (F _p) Mcfd	Pro	Circle one: Mater or over Pressure psia	Press Extension P _m xh	Grav Fac F	tor	' Tamparatura		Deviation Factor F _{pv}		v GOA (Cubic Fe Barrel)	Gravity
	<u> </u>									<u> </u>	
(P _c) ² =		(P _w) ²	= ·	(OPEN FL	, ,	VERABILITY) CALCUL P _e - 14.4) +			-	² = 0.207
$(P_e)^2 \cdot (P_a)^2$ or $(P_e)^2 \cdot (P_d)^2$	 (F	P _c) ² - (P _w) ²	Choose formula 1 or 2 1. P _c ² - P _d ² 2. P _c ² - P _d ² divided by: P _c ² - P _d	P ² -P ² LOG of formula 1. or 2. and divide		Backpressure Curve Slope = "n" or Assigned Standard Slope			og [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
	-										
Open Flow	1		Mctd @ 14.	 65 psia		Deliverat	oility		•	Mcfd @ 14.65 ps	<u>l</u> ia
	rsigned	d authority,	on behalf of the	Company, s	states that	he is duly a	uthorized t	o make th	e above repo	rt and that he ha	as knowledge of
The unde	-					•			·		, 20 10
The unde	d therei	in, and that s	said report is true	and correc							
	d therei	in, and that s				-			For (Company	REC

	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
and that the t correct to the of equipment I hereby r	oregoing 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 Hayward 1-20 are grounds that said well:
1 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 agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as nece:	esary to corroborate this claim for exemption from testing.
	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

SEP 0 7 2010

KCC WICHIT