KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:						(See Instru	ctions on R	everse Sid	'θ)					
✓ Open Flow				Test Date:					No 45						
Deliverability					7/7/201			API No. 15 15-129-10110 - 0000							
Company Chesapeake Operating, L.L.C.							Lease Well No Hayward B 1-35					Number			
County Location Morton 3300 FSL & 3300 FEL				Section 35		TWP 31S	TWP RNG (E/W) 31S 40W			Acres Attributed Onnection distream Operations To 5496 To RECEIVEL					
Field Kinsler				Reservo Morro	-	<u> </u>		Gas Gat Chesa	thering Conn peake Midst	ection ream Operatio	ons Koo				
Completion Date				Plug Bac 5620	ck Total De	pth	Packer Set at		Set at		M. Jan				
12/22/60 Casing Size Weight					Diameter	Set	Set al Perfe		orations To		—J	WN DE "			
4.5					4.052			5900		8	5496	5496			
Tubing S 2.375	Tubing Size Weight 2.375 4.7				Internal 1.995	Diameter		Set at Perforations 5392		rations	То	TO TECEIN			
Type Completion (Describe) Gas						id Producti			Pump Ui	nıl or iraveling	g Plunger? Yes / No				
Producing	g Thru	(Anı	nulus / Tubir	ıg)		% (Carbon Dio					Gas G	Gas Gravity - G _g		
Annulus Vertical E	_	<u> </u>					D	- -		•		74-1	<u> </u>	(D) O'	
6050	vebuu(r	1)					Pre	ssure Taps				(weter	Hunj	(Prover) Size	
						3:00	_ (AM) (PM) Taken 7/7			20	0 14' at 8:00		_ (AM) (PM)		
Well on L	.ine:		Started		20	0 at		_ (AM) (PM)	Taken		20	at		_ (AM) (PM)	
	-						OBSERV	ED SURFAC	CE DATA			Duration of Shut	2 -in2	4 Hours	
Static / Dynamic Property	Siz	Oritice Size (Inches) Prover Pressure psig (Pm) Inches H ₂ O		Differential in	Flowing Well Head Temperature t		e (P _w) or ((P_w) or (P_1) or (P_c)		Tubing rad Pressure r (P ₁) or (P _a)	Duration (Hours)		quid Produced (Barrels)		
Shut-In			F ()		20			gesig 34	47.4	psig 0	14.4	24	+-		
Flow			_												
					<u></u>		FLOW ST	REAM ATT	RIBUTES			<u> </u>			
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension P _m xh		vity stor	Flowing Deviate Femperature Factor Factor F _{II} F _{II}		actor	Metered Flov R (Mcfd)	(Cubic Fe	GOR (Cubic Feet/ Barrel) G		
L				Ļ	<u>.</u>										
						(OPEN FL	OW) (DELI	VERABILITY	Y) CALCUI	ATIONS)² ⇒ 0	.207	
(P _c) ² =		_ : _	(P _w)² =		oso formula 1 or 2:	P _a =			P _c - 14.4) +		<u>-</u> -:	(P _d) ² =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c)²- (P _w)²		1. P _c ² - P _d 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:		Backpressure Curve Slope = "n" Assigned Standard Slope		n x LOG		Antilog	Antilog Open Flow Antilog Equals R x Antilo (Mcfd)		
									_						
Open Flo					 Mcfd @ 14.6	SE pois		Deliveral	hiliby			Mofd @ 14 85			
•	_								-			Mcfd @ 14.65 ps			
					ehalf of the report is true							ort and that he ha		owledge of , 20 <u>15</u> .	
			Witness	(f en	<i>)</i>				•		For C	Company		······································	
			For Comr	nissio	าก						Chet	cked by	—–		
												•			

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	der penalty of perjury under the laws of the state of Kansas that lider Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake O	•
	going pressure information and statements contained on this ap	·
correct to the bes	st of my knowledge and belief based upon available production sur	mmaries and lease records
•	tallation and/or upon type of completion or upon use being made of	•
l hereby requ	lest a one-year exemption from open flow testing for the Hayward	i B 1-35
gas well on the gr	rounds that said well:	KCC WICHIT JUN 05 2015 RECEIVED
		JIM WICHIT
(Check		~ 05 2015
	is a coalbed methane producer	RECEIVE
	is cycled on plunger lift due to water	
닏	is a source of natural gas for injection into an oil reservoir under	rgoing 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/	טא
_	ee to supply to the best of my ability any and all supporting docum ry to corroborate this claim for exemption from testing.	nents deemed by Commission
Date: 5/11/2015		
	Signature: Katu Wmi	· σO a L
	Signature:	
	Title: Katie Wright, Regulatory An	nalyst
	<u> </u>	

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.