KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Instruc	tions on Re	verse Side)				
√ Op	en Flo	w			Test Date	, -			API N	lo. 15			
Del	liverab	ilty			8/13/20					89-20146 -	0000		
Company Chesape		Oper	ating, L.L.C	.			Lease Winter				2-31	Vell Number	
County Stevens	s		Locati 1980 FS	on L & 4620 FEL	Section 31		TWP 34S		RNG (E/V 36W	<i>V</i>)	,	Acres Attribu	ıted
Field Hanke					Reservoir Morrov		·			ering Conni nergy Serv			
Completic 9/20/72		е			Plug Bac 6454	k Total Dep	ith		Packer Se	t at			
Casing Si 5.5	ize		Weight 10.5		Internal Diameter 4.052		Set at 6494		Perforations 6314		то 6348		
Tubing Si 2.375	ize		Weigh	nt	Internal D	Diameter	Set -		Perfora	ations	То		
Type Con	npletio	n (De	escribe)			d Productio	n		Pump Uni Pump l	or Traveling Uniut	Plunger? Yes	/ No	
	-	(Anr	nulus / Tubin	g)		arbon Diox	ide		% Nitroge		Gas Gra	avity - G _o	
Vertical D		H)				Pres	ssure Taps				(Meter F	Run) (Prover)) Size
Pressure	Buildu	ıp:	Shut in _8/1	22	0_15_at_8	:00	. (AM) (PM)	Taken 8/	13	20	15 at 8:00	(AM) ((PM)
Well on L	.ine:		Started	20	0 at		. (AM) (PM)	Taken	· ·	20	at	(AM) ((PM)
						OBSERVE	ED SURFAC	E DATA			Duration of Shut-	_{in_} 24	
Static / Dynamic	Orif Siz	:0	Circle one: Meter Prover Pressi	Pressure Differential ure in	Flowing Temperature		Weilhead	sing Pressure	Wellhea	bing d Pressure P _t) or (P _c)	Duration (Hours)	Liquid Prod (Barrel:	
Property	(inch	ies) 	psig (Pm)	Inches H ₂ 0	t	· t-	psig	psia	pslg	psia			
Shut-In			<u> </u>				41	55.4	0	14.4	24		-
Flow			<u> </u>			ELOW ST	<u> </u> REAM ATTI	HELITES		<u> </u>		<u> </u>	
DI-1-			Circle one:		$\overline{}$	FLOW 511	Flowing	1180123					owing
Plate Coeffiec (F _b) (F Mcfd	ient ,)	Pro	Meter or over Pressure psia	Press Extension ✓ P _m xh	Grav Fac F	tor	Temperature Factor F _{ft}	Fa	riation actor F _{pv}	Metered Flor R (Mcfd)	W GOR (Cubic Fe Barrel)	et/ F	Fluid ravity G _m
]	(OPEN FL	OW) (DELI	VERABILITY	/) CALCUL	ATIONS		(P.)	²= 0 .207	
(P _c) ² =		<u>_:</u>	(P _w) ² =		P _d ==		% (P _c - 14.4) +	- 14.4 =	:	(P _d):		
(P _e) ² - (l or (P _e) ² - (l	P _a)²	(F	P _c)2- (P _w)2	Choose formula 1 or 2 1. $P_c^2 - P_e^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2 end divide	P _c ² -P _w ²	A	essure Curve ope = "n" or ssigned dard Slope	l n x i	og [Antilog	Open Fi Deliverat Equals R x (Mcfd	bility Antilog
<u> </u>													
Open Flo				Mcfd @ 14.	·		Delivera	· ·		- ,	Mcfd @ 14.65 psi		
		_	=	on behalf of the aid report is true							ort and that he ha	s knowledge , 20 <u>1</u>	_
	'						Received PRPORATION CO					. –	_
	-		Witness	(if any)	••		C 0 2 2			For	Company		
			For Com	mission		CONSE	RVATION DIV WICHITA, KS			Che	cked by		

·	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, L.L.C.
	pregoing pressure information and statements contained on this application form are true and pest of my knowledge and belief based upon available production summaries and lease records
	nstallation 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 Winter 2-31
	e grounds that said well:
gao	
(Ci	eck one)
	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 Commissio
staff as neces	sary to corroborate this claim for exemption from testing.
Date: <u>11/16/2</u>	<u>015 </u>
Date: <u>11/16/2</u>	<u>015 </u>
Date: <u>11/16/2</u>	<u>015 </u>
Date: <u>11/16/2</u>	015
Date: <u>11/16/2</u>	Signature: Dana Ence

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.