KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

ype Test:					(See Instruct	ions on Re	verse Sid	e)			
	en Flo iverab				Test Date 9/20/20				AP	I No. 15 -189	-20858 - <i>૦</i> ૦ -	00
ompany hesape		Oper	ating Inc.		9/20/20		Lease Grant N	Morrell				Well Number
ounty evens			Locati NW NV		Section 23		TWP 32S		RNG (E 36W	E/W)		Acres Attributed
eld OSCOW					Reservoii Morrow					thering Conn k Field Service	ection	RECEIV
mpletic 2/198		e			Plug Bac 6323'	k Total Dept	h		Packer	Set at		NOV 1 6
sing Si	ze		Weigh 15.5#		Internal [4.950"	Diameter	Set 660		Perfe 596	orations 50'	To 6004'	RECEIV NOV 1 6 KCC WICH
ing Si 7 5"	ze		Weigh 6.5#	t	Internal [2.441"	Diameter	Set 625		Perf	orations	То	
e Com			escribe)		Water				Pump Unit or Traveling Plunger? Yes / No Pump Unit			
ducing nulus		(Anr	nulus / Tubing	g)		Carbon Dioxi	de		% Nitro	gen	Gas Gr	avity - G _p
tical D		1)				Pres	sure Taps				(Meter F	Run) (Prover) Size
ssure	Buildu	p: :	Shut in 9/2	0	20 12 at 7	:00 AM	(AM) (PM)	Taken_9	/21	20	12 _{at} 7:00 A	M(AM) (PM)
ell on Li	ne:	;	Started		20 at		(AM) (PM)	Taken		20	at	(AM) (PM)
·						OBSERVE	D SURFAC	E DATA			Duration of Shut-	in 24 Hours
atic / Orific		ze Prover Pressure		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Temperature Temperature		Casing Wellhead Pressure (P _w) or (P _t) or (P _t) psig psia		Tubing ead Pressure or (P _t) or (P _e) psia	Duration (Hours)	Liquid Produced (Barrels)
ut-In							96	110.4	98	112.4	24 hrs	
low												
	r			1		FLOW STR	EAM ATT	RIBUTES		T		
Plate peffieci (F _b) (F _b Mcfd		Pro	Circle one: Meter or ver Pressure psia	Press Extension ✓ P _m x h	Grav Fac F	tor	Flowing femperature Factor F ₁₁	F	viation actor F _{pv}	Metered Flow R (Mctd)	W GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G_,
					(OPEN FL	OW) (DELIV	ERABILITY	/) CALCUI	LATIONS	<u> </u>	(P.)	
=		:	(P _w) ² =	;	•	, ,		P _c - 14.4) -		<u> </u>		2 = 0.207 2 =
or P_)² - (F	-	(P	P _c) ² - (P _w) ²	Choose formula 1 or 1. P _c ² • P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _d	LOG of formula 1. or 2. and divide	P, 2 - P, 2	Sic	essure Curv ppe = "n" orssigned dard Slope	пх	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mctd)
		· · · · · · · · · · · · · · · · · · ·					-		-		<u> </u>	
	1			u.a.o.	05:-		D-8				Matter 6 44 65	_
n Flov			N = - 41	Mcfd @ 14			Deliveral				Mcfd @ 14.65 psi	
		_		n behalf of the						the above repo	ert and that he ha	s knowledge of
			Witness (i	f any)				بالمحمل	and.	For	Company	<u></u>
			For Comm	nission		to day a second as a second of self-days off.				Che	cked by	

KCC WICHITA

	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.
	going pressure information and statements contained on this application form are true and
correct to the bes	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.
I hereby requ	lest a one-year exemption from open flow testing for the Grant Morrell 1-23
gas well on the g	rounds that said well:
(Chec	k 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
<u></u>	is not capable of producing at a daily rate in excess of 250 mcf/D
✓	
=	
staff as necessa	is not capable of producing at a daily rate in excess of 250 mcf/D se to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
=	is not capable of producing at a daily rate in excess of 250 mcf/D se to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
staff as necessa	is not capable of producing at a daily rate in excess of 250 mcf/D se to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.

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.