KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				G	See Instruct	tions on Rev	rerse Side)			
√ Op	en Flo	w			Tool Date				4 DI	No. 15		
De De	liverab	ilty			Test Date 8/22/201				15-	No. 15 075-20243 ~	0000	
Company		Oper	rating, L.L.C	D.		<u> </u>	Lease Cheatu	ım			3-11	Well Number
County			Locat		Section 11		TWP 22S		RNG (E.	W)	,	Acres Attributed
Field Bradsh	aw		_		Reservoir Chase					hering Conne Energy Ser		
Completic	on Dat	le			Plug Back	k Total Dept	th		Packer 8 None	Set at		<u> </u>
Casing Size 4.5		Weigl	nt	Internal Diameter		Set at 2772		Perforations 2694		то 2720		
Tubing Size			Weigh 4.7	nt	Internal Diameter 1.995		Set at 2655		Perforations		То	
Type Con Single (n (De	escribe)		Type Fluid Water	d Production	n		Pump Ui Pump		Plunger? Yes	/ No
Producing	-	(Anı	nulus / Tubin	g)	% C	arbon Dioxi	de		% Nitrog	jen	Gas Gr .779	avity - G _g
Vertical D		1)			· · · · · · · · · · · · · · · · · · ·	Pres	sure Taps					Run) (Prover) Size
2783											2	
Pressure	Bulldu	ıp:	Shut in 8/2	212	0 14 at 8	:00	(AM) (PM)	Taken_8/	22	20	14 at 8:00	(AM) (PM)
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVE	D SURFACI	E DATA			Duration of Shut-	in 24 Hours
Static / Dynamic	Orifi Siz	:0	Circle one: Meter Prover Press	Pressure Differential ure in	Flowing Temperature t	Well Head Temperature	Cas Wellhead (P _w) or (P	Pressure	Wellhe	Tubing ead Pressure r (P _e) or (P _e)	Duration (Hours)	Liquid Produced (Barrels)
Property	(inch	108)	psig (Pm)	Inches H ₂ 0	, t		psig	psia	psig	psla		
Shut-In							31	45.4	15	29.4	24	
Flow												
				1		FLOW STR	EAM ATTR	IBUTES				
Plate Coeffiec (F _b) (F Mcfd	ient 。)	Pro	Circle one: Meter or over Pressure psia	Press Extension	Grav Fact F _g	or	Flowing Temperature Factor F _{ri}	Fa	ation ctor _{pv}	Metered Flov R (Mcfd)	GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G_m
						- }						
(D.)2			/D \2		•		ERABILITY	•				2 = 0.207
(P _c) ² =		- -	(P _w)² =	Choose formula 1 or 2	P _d =			° _c - 14.4) +		 -	(P _d);	
(P _c) ² - (i or (P _c) ² - (i		(F	P _o)²-(P _w)²	1. P _o ² -P _o ² 2. P _o ² -P _o ²	LOG of formula 1. or 2. and divide	P _c ² -P _* ²	Slop	ssure Curve be = "n" or signed	n x	rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
				divided by: Pc Pw	2 by:	<u> </u>	Stand	ard Slope	 -	_ 		, ,
Open Flor	w			Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd @ 14.65 psi	a
The u	unders	igne	d authority, o	n behalf of the	Company, s	tates that h	e is duly au	ıthorized t	o make ti	ne above repo	rt and that he ha	s knowledge of
the facts s	tated t	herei	in, and that s	aid report is tru	e and correc	t. Executed	this the		day of _N	fay		, 20 <u>15</u>
			Witness	(if any)	— к	Re ANSAS CO RPO	eceived ORATION COM	MISSION		For C	Сотралу	
			For Com:	nission		JUN	2 9 201	5		Cher	ked by	
			-or collis	1110111		30.1		-		Ollet		

	ler 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, L.L.C.
and that the fore	going pressure information and statements contained on this application form are true and
correct to the bes	t 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.
l hereby requ	est a one-year exemption from open flow testing for the Cheatum 3-11
gas well on the gr	rounds that said well:
(Check	cone)
	is a coalbed methane producer
H	is cycled on plunger lift due to water
一	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
7	is not capable of producing at a daily rate in excess of 250 mcf/D
L 	The state of the s
1 further agre	e to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessar	y to corroborate this claim for exemption from testing.
Date: 5/11/2015	
Date	
	Valia la la m. +
	Received SAS CORPORATION COMMISSION Signature: UUXUU W) MX ht
KAN	
	JUN 2 9 2015 Title: Katie Wright, Regulatory Analyst CONSERVATION DIVISION

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.