KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:			(-	See Instructi	ions on Rev	erse Side)			•			
Open Flow			Test Date	: :		AP		No. 15						
Deliverabilty			06/21/20	013		075-2053								
Company Chesar		Operating,	lnc.			Lease Gould	"A"				4-11	Vell Num	ber	
County Location Hamilton NW SE SE			Section 11			TWP 22S		RNG (E/W) 41W			Acres Att	ributed		
Field Bradshaw			Reservoir Chase	Reservoir Chase				hering Conn Energy Ser						
Completion Date			Plug Back 2760	k Total Dept	h		Packer Set at							
Casing Size Weight 4.5			Internal D	Internal Diameter		Set at 2765		Perforations 2729			то 2 7 39			
Tubing Size Weight 2.375 4.7			Internal Diameter 1.995		Set at 275 1		Perforations			То				
				d Production			Pump Ur Pump		Plunger? Yes / No					
•	,	Annulus / Tubir	ıg)	% C	arbon Dioxi	de		% Nitrog	jen		Gas Gra	vity - G		
Annulus Vertical E					Press	sure Taps					(Meter F	Run) (Pro	ver) Size	
2765						,								
Pressure	Buildup:	Shut in 06	/20 2	0 13 at 7	:30	(AM) (PM)	Taken_06	5/21	20	13 at_	7:30	(A	M) (PM)	
Well on L	ine:	Started	2	0 at		(AM) (PM)	Taken		20	at _		(A	M) (PM)	
					OBSERVE	D SURFACI	E DATA			Duration	of Shut-i	n_24	Hours	
Static / Orifice Dynamic Size Property (inches)		Meter Prover Press	1	Flowing Well Head Temperature t t t		(P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In		paig (i iii)	mones 11 ₂ 0			psig 31	45.4	psig 32	46.4	2	24			
Flow													٠.	
					FLOW STR	EAM ATTR	IBUTES					· · · · · · · · · · · · · · · · · · ·		
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension ✓ P _m x h	Grav Fact F _c	tor T	Flowing emperature Factor F _{II}	Deviation Factor F _{pv}		Metered Flov R (Mcfd)	I.	GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G _m	
(P _c) ² =		: (P _w) ² :	= :	(OPEN FLO	OW) (DELIV) CALCUL _c - 14.4) +				(P _a)² (P _d)²	e 0.20	7	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²	Choose formula 1 or 2 1. $P_c^2 - P_s^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_s^2$	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Backpressure Cur Slope = "n"			roe	Ant	ntilog De		n Flow erability R x Antilog //cfd)	
			, c w				· · · · · · · · · · · · · · · · · · ·							
											,			
Open Flow			Mcfd @ 14.65 psia			Deliverability			Mcfd @ 14			4.65 psia		
The	undersigi	ned authority, o	on behalf of the	Company, s	states that h	e is duly au	uthorized t	o make th	ne above repo	ort and th	at he ha	s knowle	edge of	
the facts s	tated the	rein, and that s	said report is true	and correc	t. Executed	this the 9		day of S	eptember			, 20	13 .	
		· · · · · · · · · · · · · · · · · · ·			KC	C WIC	HITA							
		Witness			SE	P 13 2	N12			Company				
		For Com	mission		JEI	- 13 Z	UIJ		Che	cked by			, .	

I declare un	der penalty of perjury under the laws of the state of Kar	nsas that I am authorized to request						
exempt status u	nder Rule K.A.R. 82-3-304 on behalf of the operator Ches	apeake Operating, Inc						
and that the for	egoing pressure information and statements contained o	on this application form are true and						
correct to the be	st of my knowledge and belief based upon available prod	uction summaries and lease records						
of equipment ins	stallation and/or upon type of completion or upon use being	g made of the gas well herein named.						
I hereby req	uest a one-year exemption from open flow testing for the _	Gould "A" 4-11						
	grounds that said well:							
(Che	ck 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	f 250 mcf/D						
,								
I further agr	ee to supply to the best of my ability any and all supporti	ng documents deemed by Commission						
staff as necessa	ary to corroborate this claim for exemption from testing.							
Date: 09/09/20	13							
	Signature:	V. araidor						
	Title Dawn Richardson	, Associate Regulatory Analyst						
	Tiuc.							

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 corn must be signed and dated on the front side as though it was a verified report of annual test results.

SEP 13 2013