KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side)

Type Test:

	pen Flow eliverabilt	v			Test Day	te:				i No. 15	!				
		y			8/6/1	10			15	-071-20741-	00-00				
		rating, Inc.			71.11 - 2.		Lease House	holder			!	2-29	Well N	umber	
County Greeley		Location C NE			Section 29		TWP 20S		RNG (E/W) 40W			Acres Attributed 640			
Field Bradsha	ıw				Reservo U. Wint			. :	Gas Ga DCP M	thering Conn lidstream	ection			1.5 1.9	
Completi 3-20-20					Plug Bad 2818	ck Total Dep	th		Packer	Set at	 				
Casing Size 4.5		Weig 10.5	_		Internal 4.09	Diameter	Set 284		Perforations 2794			To 2798			
Tubing Size 2.375		Weight 4.7			Internal Diamete		Set at 2812		Perforations			То			
Type Con Single -		(Describe)				id Production		· -		nit or Traveling Unit - Rod	Plunge	r? Yes	/ No		
		Annulus / Tubi	ing)			Carbon Dioxi	de		% Nitrog			Gas G	ravity - (
Annulus										,	i	040 0	ravity - v	a _g	
Vertical Depth(H) 2796				Flan	sure Taps ge	•			(Meter Run) (Prover) Size						
Pressure	Buildup:	Shut in	8/	5 2	0/0 at 3	3:06	(AM)(PM)	Taken	8/6	20	/0 at	5:4	8	(AM)(PM)	
Well on L	ine:									20				(AM) (PM)	
						OBSERVE	D SURFAC	E DATA		· · · · · · · · · · · · · · · · · · ·	Duration	n of Shut	in 2	Hours	
Static / Dynamic	Orifice Size	Circle one Meter Prover Pres	1	Pressure Differential in	Flowing Temperature	Well Head Temperature	Wellhead	sing Pressure	Wellhe	Nubing ad Pressure	Dui	ration		id Produced	
Property	(inches	psig (Pm		Inches H ₂ 0	t	t	(P _w) or (F	psia	(P _w) or	(P _t) or (P _c)	(H)	ours)	(6	Barrels)	
Shut-In				-				24			3	14			
Flow															
	p					FLOW STR	EAM ATTR	IBUTES							
Plate Coeffieci (F _b) (F Mcfd	ient	Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	Grav Fact	tor T	Flowing emperature Factor F ₁₁	Fa	ation ctor	Metered Flow R (Mcfd)	, I	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
					(OPEN FL	OW) (DELIVI	ERABILITY) CALCUL	ATIONS			(P.)	² = 0.20])7	
(P _c) ² =	 :	(P _w) ²		:	P _d =	9	6 (F	_c - 14.4) +	14.4 =	:		(P _d)			
(P _c) ² - (F or (P _c) ² - (F	P _a) ²	(P _c) ² - (P _w) ²	1	ose formula 1 or 2: . P _c ² - P _a ² . P _c ² - P _d ² P _c ² - P _d ²	LOG of formula 1. or 2. and divide	P _c ² · P _w ²	Slop As	ssure Curve pe = "n" - or signed ard Slope	nxl	.og []	Aņt	tilog	Deliv Equals	en Flow verability R x Antilog Mcfd)	
		•									i				
							·								
Open Flov	N			Mcfd @ 14.0	65 psia		Deliverab	ility	· <u> · .</u>		Acfd @	14.65 psi	a		
The u	ındersign	ed authority,	on be	ehalf of the	Company, s	tates that he	is duly au	ithorized to	make th	e above repor	t and th	at he ha	s knowle	edge of	
		ein, and that					4	15	day of	ctobe	<u>い</u>		, 2	0/0	
·	T	Witness	(if any)		OCT 2 9 10 - 28		J	mic	P FU	empany (
		For Com	missio	n	K	CC WIC		· · · · · ·		Check	ced by				

l declare und	for populty of porium, under the laws of the state of Key, and the
	ler penalty of perjury under the laws of the state of Kansas that I am authorized to request
and that the fore correct to the bes of equipment inst I hereby requ	der Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc. going pressure information and statements contained on this application form are true and 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. est a one-year exemption from open flow testing for the Householder 2-29 counds that said well:
	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 eto supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
	Signature: <u>Janice Ripley</u> Title: <u>Production Assistant</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.