KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruct	tions on Re	verse Side)					
Open Flow					T D	Took Date:				ADI No. 45				
Deliverabilty					Test Date: /-/3-//			API No. 15 15-071-206930000						
Company		Эре	erating, Inc.		<u> </u>	· <u>f</u>	Lease Wear					Well N	ımber	
County Location Greeley C-NE/SE				Section 15		TWP 17S		RNG (E/W) 40W			Acres Attributed 320			
Field					Reservoir Winfield			Gas Gathering Connection DCP Midstream						
Completic 8-20/19		0		•	Plug Back Total Dept 3023				Packer 5	Set at		<u>-</u>		
Casing S 4.5	ize		Weight 10.5	Internal Diameter 4.052		Set at 3022		Perforations 2988		To 3000				
Tubing S 2.375	ze		Weight 4.7	Internal Diameter 2.0000		Set at		Perforations		То	То			
Type Con Single (gas				Type Flui Water	d Production	1	Pump Unit or Traveling			_			
Producing Casing	Thru	(Ani	tulus / Tubing)		% 0	arbon Dioxi	de		% Nitrog	jen .	Gas Gr	avity -	9,	
Vertical D 2573	epth(H	1)				Pres Flan	sure Taps ge				(Meter F	Run) (P	rover) Size	
Pressure	Buildu	p: :	Shut In/	-12 2	0 <u>//</u> at <u>//</u>	0:00	(AM)(PM)	Taken	1-13	320	// at /0:0	00 ((AM)(PM)	
Well on L	ine:	,	Started	2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)	
		_			, <u> </u>	OBSERVE	D SURFAC		1		Duration of Shut-	in_2	4_Hours	
Static / Orlf Oynamic Siz Property (inch		Mater Prover Pressure		Pressure Differential in Inches H ₂ 0	Flowing Well Heat Temperature t		Walhaad Progrum		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c) psig psia		Ouration Li (Hours)		id Produced Barrels)	
Shut-In	1.0	0					haiñ	84	pang	рыц	24			
Flow					ı				<u> </u>					
	- 1		Glitcle one:			FLOW STR	EAM ATTR	IBUTES					<u> </u>	
Plate Coeffiscient (F _k) (F _p) Mcfd		Meter or Prover Pressure psla		Press Extension P _m x h	Grav Fact	tor 1	Flowing Temperature Factor F ₁₁		iation etor pv	Metered Flov R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
L														
(P _c) ² =		_:	(P _w)²=_	:	(OPEN FLO	OW) (DELIV) CALCUL ² 14.4) +		:	(P _a) ⁽	2 = 0.2 2 =	207	
(P _e) ² - (F or (P _e) ² - (F)² ² ₄)²	(P	(_c)*-(P _w)²	hoose formula 1 or 2 1. $P_a^2 - P_a^2$ 2. $P_a^2 - P_d^2$ wided by: $P_a^2 - P_w^2$		P.2. P.3	Backpressure Curve Stope = "n"			. Do.	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
				. <u> </u>			<u> </u>		 -					
Open Flor	<u>~</u>	Mcfd @ 14.65 psia				Deliverability		Mcfd ⊕ 14.65 psia						
			I authority, on n, and that said Witness (if a	d report is true				uthorized t	o make the day of _	ne above repo May	rt and that he ha	s knov	riedge of 20 // .	
			For Commis	sion	 -		-	· · · · · · · · · · · · · · · · · · ·	-	Char	ked by	MAV	4 2 201	

KCC WICHITA

l de	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	t the foregoing pressure information and statements contained on this application form are true and
	to the best of my knowledge and belief based upon available production summaries and lease records
	ment installation and/or upon type of completion or upon use being made of the gas well herein named.
	reby request a one-year exemption from open flow testing for the Wear #1
	on the grounds that said well:
	(Check 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
l fur	rther agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as	necessary to corroborate this claim for exemption from testing.
Date:	5/9/11
	Signature: Janice Ripley
	Title: Production Assistant

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.