KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:			0	See Instruct	ions on Rev	erse Side	9)					
Open Flow			Test Date	ı <i>•</i>			API	No. 15				
Deliverability	y	4	Test Date	71				-20705-00-0	0			
Company Horseshoe Ope	rating, Inc.	<u> </u>			Lease Wilcox				1	Well Nu	mber	
ounty Location amilton CSE		Section 34		TWP 22S		RNG (E/W) 40W			Acres Attributed			
Field Bradshaw			Reservoir	Reservoir			Gas Gathering Connection DCP Midstream					
Completion Date 10-13-99			Plug Bac 2721	Plug Back Total Depth 2721				Packer Set at				
Casing Size Weight .5 10.5			Internal D 4.052	Diameter	Set at 2740		Perfo 266	To . 89:				
Tubing Size 2-3/8"			Internal Diameter 1.995		Set at 2711		Perforations					
Type Completion (Describe) Single - Gas			Type Flui Water	Type Fluid Production Water			Pump Unit or Traveling Plunger? Yes / No Pump Unit - Rod					
Producing Thru (A	Annulus / Tubir	ng)	% 0	arbon Dioxi	de		% Nitrog	en	Gas G	iravity - (3,	
Vertical Depth(H)	. ,.				sure Taps		·		(Meter	Run) (P	rover) Size	
		1-27 2	0 // at /	10.00 L	lange		4-5	8	// at /0,	<u> </u>		
Pressure Buildup:	· · · · · · · · · · · · · · · · · · ·				(AM) (PM)					-	AM)(PM)	
Well on Line:	Started	20	0 at		(AM) (PM)	laken		20	at	···-········	AM) (PM)	
				OBSERVE	D SURFACE	DATA	,	. 1	Duration of Shu	t-in 2	4_Hour	
Static / Orifice	Meter	Differential	Flowing Temperature	Well Head Temperature	Wellhead Pressure $(P_w) \circ (P_i) \circ (P_e)$ psig psia		Tubing Wellhead Pressure $(P_a) \propto (P_1) \propto (P_c)$ psig psia		Duration	,	Liquid Produced	
Property (inches	Prover Press psig (Pm)		t	t					(Hours)		(Barrels)	
Shut-In .150	2				1	05.96			24	\bot	·	
Flow				<u> </u>			<u> </u>			<u> </u>		
-	 	1	<u> </u>	FLOW STR	REAM ATTRI	BUTES	<u>-</u>				T	
Plate Coefficelent (F _p) (F _p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension	Extension Fac		Flowing Temperature Factor F _{ii}	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
			1		-							
'D \2 _	. (0.)2		-		'ERABILITY) % (P.	CALCUL - 14.4) +				$(a)^2 = 0.2$ $(a)^2 = 0.2$	07	
(P _c) ² =	: (P _w) ²	Choose formula 1 or 2				sure Curve		<u>·</u>	<u> </u>		en Flow	
(P _e) ² - (P _a) ² or (P _e) ² - (P _d) ²	(P _a)²- (P _a)²	1, P _e ² - P _e ² 2, P _e ² + P _e ² divided by: P _e ² + P _e ²	P ² ·P ² P ² ·P ² DG of formula 1. or 2. and divide by:		Slope = "n"or		- n x	rog	Antilog	Del Equals	Deliverability Equals R x Antilog (Mcfd)	
										<u> </u>		
Open Flow		Mcfd @ 14.	65 psia		Deliverabi	lity	L		Mcfd @ 14.65 p	sia		
The undersig		on behalf of the			•	11/	to make the	ne above repo	rt and that he l		ledge of	
		,				Qa	nice	Ripl	ey		ON COMMIZE	
,	Witness				_	0		/ For C	<u> </u>			
	For Con	mission			_			Chec	•	UN 1		
									R	ECE	IVED	

	e under penalty of perjury under the laws of the state of Kansas that I am authorized to request us under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	foregoing pressure information and statements contained on this application form are true and
correct to th	e best of my knowledge and belief based upon available production summaries and lease records
	nt installation and/or upon type of completion or upon use being made of the gas well herein named. request a one-year exemption from open flow testing for the Wilcox #1
	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
I further	agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as nec	essary to corroborate this claim for exemption from testing.
Date: <u>6-</u>	14-11
	Signature: <u>Quice Ripley</u> Title: <u>Production</u> 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.