KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:			(See Instruct	ions on Reve	rse Side))					
_ `	en Flow			Test Date:				API	No. 15				
Del	liverabilty			4-3-		. 15-075-20783 - 0000							
Company Horseshoe Operating, Inc.			3.	•		Lease Herrmann A				1	Well Number 1		
County Lo Hamilton N/2			tion Section SW 24			TWP RNG (E/W)			-	Acres Attributed 480			
Field Bradsha	aw		Reservoir Winfield			Gas Gathering Connection DCP Midstream			ction				
Completion 4-4-200			Plug Back Total Dept 2542			n Packer Set at							
Casing Size Weight 4.5 10.5		it	Internal Diameter 4.052				Perforations 2497		то 250 3	то 2503			
Tubing Siz 2-3/8	Tubing Size Weigh 2-3/8 4.7		t	Internal Diame		Set at 2509		Perforations		То	То		
Type Com Single-C		Describe)		Type Fluid Production Water						Plunger? Ye:	lunger? Yes / No		
Producing Thru (Annulus / Tubing)				% C	arbon Dioxid	de	e % Nitrogen			Gas Gravity - G			
Vertical D	epth(H)	5			Press	sure Taps				(Mete	r Run) (F	rover) Size	
Flange 2"										11			
Pressure	Buildup:				(,	(AM) (PM)	
Well on Li	ine:	Started	20) at		(AM) (PM) 1	aken		20	at		(AM) (PM)	
					OBSERVE	D SURFACE	DATA			Duration of Shu	ıt-in _@	34_Hours	
Static / Orifice Dynamic Size Property (inches)		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential In Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)				Duration (Hours)	1 '		
Shut-In	.623					psig	psia 109.5	psig	psia	24			
Flow										,			
					FLOW STR	EAM ATTRIE	UTES					-	
Plate Coefficeient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia Prover Pressure		Gravity Factor F		Flowing Emperature Factor F ₁₁	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	GOI (Cuble l Barre	eet/	Flowing Fluid Gravity G _m	
									,	,		<u> </u>	
(P _c) ² =		(P _w) ² =		(OPEN FLO	OW) (DELIV	ERABILITY)	- 14.4) +				_) ² = 0.: _d) ² =	207	
(P _c) ² - (P or (P _c) ² - (P	-	(P _c) ² - (P _w) ²	1. P ² -P ² 2. P ² -P ² 2. P ² -P ² ivided by: P ² -P ² by:		P. Z. P. 2	Backpressure Curve Slope = "n"or Assigned Standard Slope		nxi	.og []	Antilog	De	Open Flow Deliverability Equals R x Antilog (Mcfd)	
				6	<u> </u>	, _							
Open Flov	<u> </u>		Mcfd @ 14.6	55 psia		Deliverabil	ity		1	Mcfd @ 14.65 p	sia		
	-		n behalf of the o				4	make the	e above repor	t and that he	has knom	wledge of 20 <u>/4</u> .	
		Witness (i	any)		·;-			wiw	For o	mparry (
		For Comm	ission					<u>.</u>		ked by F KANSAS CORP	ECEIVEI ORATION		

AUG 0 6 2014

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.									
and that the foregoing pressure information and statements contained on this application form are true and									
correct to the best of my knowledge and belief based upon available production summaries and lease records									
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.									
I hereby request a one-year exemption from open flow testing for the Herrmann A #具									
gas well 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									
I further 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: 8-4-/4									
Daile									
Signature:									
·									

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.