KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	en Flo		2			Test Date		ctions on Re	everse Sid	AP	Pl No. 15				
✓ De	liverab	ilty				05/20/20	013 to 05/2	24/2013		07	1-20219 - 🗸	040			
Company Horseshoe Operating, Inc.						Lease Woods	•	. :		#1	Well N	umber			
•			Loca C SE			Section 4		TWP 17S		RNG (E/W) 40W		Acres Attributed		Attributed	
Field Bradshaw			Reservoir Winfield					Gas Gathering Conr DCP Midstream		nection					
Completion Date 1/11/81				Plug Back Total Dept 3045				Packer Set at							
•			Weig 9.6	ht		Internal I	Internal Diameter 4		Set at 3045		orations 30	To 2975			
Tubing Size 2.375		Weight 4.7		, Internal Di 1.995		iameter Set at SN-2			Perforations		То				
Type Completion (Describe) Single (Gas)				Type Fluid Production Salt Water				Pump Unit or Traveling Plunger? Yes / No Pumping Unit							
Producing Annulus		(Anı	nulus / Tubir	ng)	,	% C	arbon Dio	kide		% Nitro		Gas	Gravity -	G _g	
Vertical D		i)					Pre	ssure Taps	.		· · · · · · · · · · · · · · · · · · ·	(Mete	r Run) (F	Prover) Size	
2957							Flar	nge				2 in			
Pressure	Buildu	p:	Shut in 05	/20	2	20 13 at 6:45 AM			(AM) (PM) Taken 05/24		20 13 at 8:45 AM (AM) (PM)				
Well on Li	ine:		Started		2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)	
							ORSERV	ED SURFAC	E DATA			Duration of Sha	_{t-in} 98	Hours	
Static / Dynamic Property	ynamic Size		Meter Prover Pressure		Pressure Differential in	Flowing	Well Head Temperature	Cas Wellhead	Casing Wellhead Pressure		Tubing ead Pressure or (P,) or (P _c)	Duration Or Smi	Liqu	Liquid Produced (Barrels)	
Shut-In		,	psig (Pm)		inches H ₂ 0			psig 162	psia 175.4	psig n/a	psia n/a	98	n/a		
Flow										 					
1							FLOW ST	REAM ATTR	NBUTES	L		<u> </u>			
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Grav Extension Fact √ P _m x h F _g		tor Temperature		Fa	iation ctor : pv	Metered Flor R (Mcfd)	(Cubic I	GOR (Cubic Feet/ Barrel)		
	1			l		(OPEN FLO	OW) (DELI	/ERABILITY	') CALCUL	ATIONS		(P		.l	
(P _c) ² =	···	_:_	(P _w) ² :	=	:	P _d =		% (F	P _c - 14.4) +	14.4 =	<u> </u>	(P	d) ² =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		1 2	pose formula 1 or 2: 1. $P_c^2 - P_a^2$ LOG of formula 2. $P_c^2 - P_d^2$ 1. or 2. and divide by:		P _c ² -P _w ²	Slo As	skpressure Curve Slope = "n" or Assigned Standard Slope		roe	Antilog	De Equal:	pen Flow liverability s R x Antilog (Mcfd)	
Open Flov					Morri (ft. 14)	SE poio		Dollwarah	silido e			Motel @ 44.05 -			
					Mcfd @ 14.0			Deliverab				Mcfd @ 14.65 p			
								he is duly au d this the <u>0</u> 4		omake the		ort and that he i	· · · · · · · · ·	20 13	
			Witness	(if any)			w.e	-)ani	ice Ki	pley		WICHI	
			For Com					=	<u> </u>	/	Cha	cked by	JUL	0 5 20 13	
											One.		RE	CEIVE	

Ιc	declare under penalty of perjury under the laws of the state of Kansas that I am authorized to reques
	of status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	at the foregoing pressure information and statements contained on this application form are true and
	t to the best of my knowledge and belief based upon available production summaries and lease records
	ipment installation and/or upon type of completion or upon use being made of the gas well herein named.
	ereby request a one-year exemption from open flow testing for the _Woods #1
	ell 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 fi	irther agree to supply to the best of my ability any and all supporting documents deemed by Commission
	s necessary to corroborate this claim for exemption from testing.
Data: (06/04/13
Jaie	
	Signature: <u>Janice Ripley</u>
	Title: Production Assistant
	1.0000011

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.