KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

pe Test:			(See	Instructions	s on Revers	. J. (100)		45			
Open Flow			Test Date:	^			API No. 15-07	15 5-2066700	00		
Deliverabilty		4-10-1					Well Number				
ompany	roting Inc				Muncie		RNG (E/W)		1 Acr	es Attributed	
orseshoe Operating, Inc.		Section		TWP	VVF.			Aut	30 /		
amilton 1320 FNL 1320 FWL		8		23\$		Gas Gathering Conne		on			
eld		Reservoir Winfield				DCP Midstream					
Bradshaw Date			Plug Back 7	Total Depth		F	Packer Set	at			
ompletion Date 21-1998		Internal Diameter		Set at		Perforations		то 2581			
Casing Size	Weight 10.5		4.090		2615		2565		Z301		
1.5 Tubing Size	Weight		Internal Diameter		Set at 2590		Perforations				
2. 37 5	4.7			1.995 Type Fluid Production		Pump Unit or Traveli		or Traveling P	ng Plunger? Yes / No		
pe Completion (Describe)			Water	Production					Gas Gravity - G		
Single gas Producing Thru (Ar	nulus / Tubing)		% Ca	rbon Dioxide	e		% Nitroger	l	Qas Gra	,g	
Casing				Decem	ure Taps					un) (Prover) Size	
Vertical Depth(H)		_	ų	Flang					311		
2573		1-9 2	20 10 at _	2:00	(ANA) (SAA)	Taken	9-1	10 ₂₀ /	0 at 2:0	O_ (AM) (PM)	
Pressure Buildup:	Shut in	2	20 / U at _ e	7100	(AW) (DA)	Tokon		20 .	at	(AM) (PM)	
Well on Line:	Started	2	20 at		(AM) (PW)	Taken			at	n 24 Ha	
				OBSERVE	D SURFACE	DATA			Duration of Shut-i		
		Pressure	Flowing Well Head			Casing Tubing Wellhead Pressure Wellhead Pres		d Pressure	Duration Liquid Produ-		
Static / Orifice Dynamic Size	Meter Prover Pressur	Differential e in	Temperature Temperatur		(P _w) or (P	() or (P _c)	(P _w) or	(P _t) or (P _c)	(Hours)	(541111)	
Property (inches		Inches H ₂ 0	<u> </u>		psig	bsia 63	paig		24		
Shut-In .75	၁			ļ	ļ	00	+	-			
Flow						<u> </u>	J.,			<u>,</u>	
	!			FLOW STI	REAM ATTE	RIBUTES			" GOR	Flowi	
Plate	Circle one:	Press	1	vity	Flowing Temperature	DC41M1011		Metered Flor	(Cubic F	eet/ Grav	
Coeffictient (F _b) (F _p)	Meter or Prover Pressure	Extension P _m x h		ctor	Factor F _{tt}		Fpv	(Mcfd)	Barre	G,	
Mcfd	psia				- 11						
			<u> </u>					1	(P	$(a)^2 = 0.207$	
					VERABILIT	Y) CALC) + 14.4 = _	:	(P	d) ² =	
(P _c) ² =	_: (P _w) ² =		Pa			ressure Cu		<u></u>		Open Flo	
(P _a) ² - (P _a) ²	(P _c) ² - (P _w) ²	1. P _c ² -P _a			Slope = "F			LOG	Antilog	Deliverabi Equals R x A	
or (P _c) ² - (P _d) ²		2. P _c ² -P _c	2 1. or 2 and divi			Assigned ndard Slop	ne			(Mcfd)	
(F _c) (F _d)		divided by: Pc2.	P _w by:								
						+		12.5		No. 407 112	
	- 1 - 1	<u> </u>							Mcfd @ 14.65	psia	
Open Flow		Mcfd @	14.65 psia		Delive	rability					
The under	signed authority.	on behalf of	the Compan	y, states tha	it he is duly	authoriz	ed to make	the above re	eport and that he	nas knowledge	
the facts stated	significal dutilionity.	eaid renort is	true and cor	rect. Execu	ted this the	_/'/	day of	More	nuuv	, 20 <i>I</i>	
the facts stated	merem, and mai	Said report to					anic	e Kii	elly		
	1812	ss (if any)			-	7			For Company		
-	witnes	oo (ii ariy)			_				Checked by	EUCIVED	
	For Co	mmission							D.SI	OV 19 201	

KCC WICHITA

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 Muncie #1
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:
Signature: Anich 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.

JUHONA DAI