## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	ONET		(See	Instruction	s on Reverse	Side)						
pe Test:							API No.	15				
- <b>-</b>	Open Flow Test Date:  Q-9-10					15-075-206050000						
Deliverabilty	Lease Marie						Well Number					
Horseshoe Operating, Inc.			ection		TWP	RNG (E/W)			Acres Attributed 320			
ounty Location Amilton C-SE			2		23S		41W Gas Gathering Con					
ield			Reservoir Winfield				DCP Midstrea					
3radshaw			Plug Back Total Depth			P	acker Set	at				
Ompletion Date 0-20-1996	••	2	2612				Distant		То			
asing Size Weight			internal Diameter 4.052		Set at <b>2616</b>		Perforations 2591		2601			
1.5	10.5		Internal Diame		Set at	Perforat		ions	То			
Tubing Size	Weight <b>4.7</b>	2	2.0000			Pump Unit or Traveli		or Traveling Pl	ling Plunger? Yes / No			
Type Completion		Type Fluid Production										
Single gas		Water % Carbon Dioxide				% Nitrogen Gas Gravity - G						
Producing Thru ( Casing	Annulus / Tubing)								(Meter F	lun) (Prov	ver) Size	
Vertical Depth(H)					ure Taps				2	//		
2573		8 20.	10 0	Flang			9-0	20/	O at 8:3	30 (A)	M) (PM)	
Pressure Buildup	: Shut in $\underline{-9}$	20.	(() at _0	150	(AM) (PM) T	aken			at at	_ (A	ノ M) (PM)	
Well on Line:	Started	20 _	at		(AM) (PM) T	aken		20 _	at			
	<del></del>				D SURFACE				ouration of Shut-		4 Hours	
	Citale one:	Pressure		Well Head	Casin	g		ubing d Pressure	Duration		Produced	
Static / Orifice Meter		Differential Temperature Te		Temperature	emperature (P) or (P,)				(Hours) (Ba		arrels)	
Property (inch	I Prover Fressure	Inches H <sub>2</sub> 0	t	t	psig	psia	psig .	psia	211	+		
Shut-In . 75	50					67			24	<del> </del>		
Flow												
Piow _				FLOW ST	REAM ATTRI	BUTES					Flowing	
Plate	Circle one:	Press	Gra	vity	Flowing		Deviation Metered F		low GOR (Cubic Feet/		Fluid	
Coeffiecient	Meter or Prover Pressure	Extension Fac		ctor	Temperature Factor	Factor F <sub>pv</sub>		(Mcfd)	Barre		Gravity G <sub>m</sub>	
(F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd	psia	√ P <sub>m</sub> xh		0	F,,							
		Hr.						l:			l	
	<u> </u>		(OPEN FI	LOW) (DELI	VERABILITY	) CALCU	LATIONS			$(a_a)^2 = 0.2$ $(a_b)^2 = 0.2$	:07	
(P <sub>c</sub> ) <sup>2</sup> =	; (P <sub>w</sub> ) <sup>2</sup> =	:	P <sub>d</sub> =				+ 14.4 = _	<u>-</u> -			pen Flow	
	(0.)2 (0.)2	Choose formula 1 or 2:	LOG of			essure Cur pe = "n"		LOG	Antilog	De	liverability	
$(P_c)^2 - (P_a)^2$ or	$(P_c)^2 - (P_a)^2$ $(P_c)^2 - (P_w)^2$		tomula 1, or 2.			-or ssigned	i		Edr		s R x Antilo (Mcfd)	
$(P_c)^2 - (P_d)^2$	1	divided by: $P_c^2 - P_w^2$	and divid	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Stand	dard Slope				_		
									<del> </del>			
									<u> </u>			
	Open Flow Mcfd @ 14.65 psia					Deliverability Mcfd @ 14.65 p						
Open Flow The under	ersigned authority,	on behalf of the	Company	, states tha	t he is duly	authorize	d to make	the above rep	oort and that he	has kno	wledge of	
the facts state	ed therein, and that	said report is tru	ie and cori	rect. Execu	ted this the _	11	_ day of	_/ (0 W)	Pinla		, 20 4	
	\AFI.	e (if any)			_		4	nice =	or Compliny (	7		
		s (if any)			<del></del>		V	c	Checked by	RECT	EIVED	
	For Cor	mmission								AION !		
										MAA )	9 201	

KCC WICHITA

s s §	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 Marie #1 gas well on the grounds that said well:
	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.
	Signature: <u>Janice 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.

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