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

Type Test	t:				(	See Instruc	tions on Rev	verse Side	9)					
Open Flow Deliverability					Test Date				API No. 15 075-20815-00-00					
Company					7-18-	12	Lease		075-	-20015-00		Well Nu	mber	
Horseshoe Operating, Inc.  County Location				Section		Yoder	TWP		RNG (E/W)		Acres Attributed			
Hamilton NE SE NW			34		228		40W			640				
Field Bradshaw				Reservoir Winfiel				Gas Gath						
Completic 1/4/05	on Date				Plug Bac <b>2652</b>	k Totał Dep	th		Packer Se	et at				
Casing Size Weight 1.5 10.5				Internal Diameter 4.052		Set at <b>2657</b>		Perforations 2630		To 2639				
Tubing Si 2.375	Wei 4.70	-		Internal Diameter 2.000		Set at <b>2643</b>		Perforations		То				
Type Com Single	npletion	(Describe)			Type Flui Water	d Production	n		Pump Unit	or Traveling	Plunger? Yes	/ No	<del></del> -	
roducing	Thru (A	Annulus / Tubi	ng)		% C	arbon Dioxi	ide		% Nitroge	n	Gas Gr	avity - (	ì	
/ertical D	epth(H)					Pres	sure Taps				(Meter	Run) (P	rover) Size	
oressure	Buildup:	Shut in	7	-17 2	0/2 <sub>at</sub> /0	0:30	(AM)(PM)	Taken	7-18	20 /	12 <sub>at</sub> 10:3	30	AM)(PM)	
Well on Li	ine:										at		AM) (PM)	
	· · · · · · · · · · · · · · · · · · ·	<del></del>			<del></del>	OBSERVE	D SURFACE	E DATA	<del>, ,</del>		Duration of Shut-	in _	Hours	
Static / Oynamic	Orifice Size	ize Meter Prover Pressure psig (Pm)		Pressure Differential in	Flowing Temperature	Well Head Temperature	Wellhead (	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>5</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>l</sub> ) or (P <sub>c</sub> )			Liquid Produced (Barrels)	
Property Shut-In	. 500			Inches H <sub>2</sub> 0	t	t	psig psia		psig psia		24			
Flow	. 200	· .						66.1			27			
						FLOW STR	EAM ATTRI	BUTES	<u> </u>			.1		
Plate Coeffiecie		Circle one: Meter or		Press Extension	Grav	- 1 "	Flowing Temperature		iation	Metered Flow	GOR	7-1,1-7	Flowing Fluid	
(F <sub>B</sub> ) (F <sub>p</sub> Mofd		Prover Pressure psla		✓ P <sub>m</sub> xh F <sub>g</sub>		or	Factor F <sub>II</sub>		otor R (Mcfd)		(Cubic Fe Barrel)		Gravity G <sub>m</sub>	
		<del></del>												
'₀)² =		* (D.)2	_				ERABILITY)					<sup>2</sup> = 0.2	07	
(P <sub>c</sub> ) <sup>2</sup> - (P	) <sub>a</sub> ) <sup>2</sup>	$ (P_w)^2 =                                   $		Dee formula 1 or 2:	P <sub>d</sub> = LOG of formula 1. or 2.		% (P <sub>c</sub> - 14.4)  Backpressure Cu Slope = "n"		1		(P <sub>d</sub> ) Antilog	Open Flow Deliverability Equals R x Antilog		
(P <sub>c</sub> )*- (P	' <sub>d</sub> ) <sup>2</sup>			ed by: $P_c^2 - P_w^2$	and divide by:	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>		signed ard Slope					Mofd)	
pen Flow	/			Mcfd @ 14.6	85 psia		Deliverabi	ility		M	/lcfd @ 14.65 psi	ia		
		ein, and that s	said ı	report is true				thorized to	o make the day of DC ANÜCL	tolil Rip	t and that he ha U	s know	ledge of 20 12 .	
		Witness For Com					_			For Co	red by	R	ECEIVE	
												0(	T 1120	

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 Yoder #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 Commissic staff as necessary to corroborate this claim for exemption from testing.
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.