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

Type Tes	st:					(See İnstruc	ctions on Rev	verse Side	9)		1			
□ ∘	pen F	low			Test Dat									
Deliverability					API No. 15 <b>15-075-20668</b>				$\overline{}$					
Compan					<u> 3-3-</u>	<i></i>	Lease			013-2000		Well Nurr	hor	
Horses	shoe	Op	erating, In	C.			Dikema	≩n			1	AACH IAUN	1061	
County Hamilton			Location C NW/4		Section 15		TWP 22S		RNG (E/W) 40W		Acres Attributed		tributed	
Field Bradsh	náw			-	Reservo	ir				thering Conn Midstream				
Completi	ion Da	ate			Plug Bac 2765	ck Total Dep	oth		Packer					
Casing S	Size		Welg 10.5	ht		Diameter	Set at 2765		Perfo 272	rations 7	то 2737	<del></del>	· · · · · · · · · · · · · · · · · · ·	
Tubing Size 2-3/8			Weig 4.7	ht		Diameter	Set at 2734		Perforations		То			
Type Cor Single-	npletic	on (D		<del></del> .		id Productio		<u> </u>	Pump U	nit or Traveling	Plunger? Yes	/ No		
		(An	nulus / Tubir	g)		Carbon Diox	ide		Pump % Nitrog		Gas Gr	avity - G		
Vertical C	Depth(	H)	<del></del>	<del></del>		Pres	sure Taps				(Meter I	Run) (Pro	ver) Size	
						F	lange	<del></del>		•	5	11		
Pressure	Bullde	ир:	Shut in	3-2	20 <u>//</u> at _	1:30	(AM) (PM)		<u> 3-:</u>	3 20	// at 9:3	O (A	M)(PM)	
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken			at		M) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in_2	4 Hours	
Static / Dynamic	() () ()	za	Gircle one: Mater Prover Press	Pressure Differential ure in	Flowing Temperature	Well Head Temperature	Cash Wellhead P	ressure	Wellhe	lubing ad Pressure	Duration	1 -	Liquid Produced (Barrels)	
Property Shut-In	(Incl		psig (Pm)	Inches H <sub>2</sub> 0	t	t	(P <sub>w</sub> ) or (P <sub>t</sub>	psla	psig	(P <sub>t</sub> ) or (P <sub>a</sub> )	(Hours)	(Ba:	rrets)	
Flow	<u>· /-</u>	<u>50</u>			ļ <u>.</u>	<u></u>		61			24			
PiOW									<u> </u>			<u></u>		
Diete			Circle one;	1	<del></del>	FLOW STE	REAM ATTRI	BUTES	_			·		
Plate Coeffieci (F <sub>b</sub> ) (F <sub>i</sub> Mcfd	ient	Pro	Meter or vor Pressure psla	Press Extension P <sub>m</sub> x h	Grav Fact	tor	Flowing Femperature Factor F <sub>I</sub> ,	Fæ	lation ctor	Metered Flow R (Mcfd)		(Cubic Feet/		
	_			<u>.</u> .						<del></del>				
				<u> </u>	(OPEN FLO	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		l			
(P <sub>a</sub> ) <sup>2</sup> =		<u>_:</u>	(P <sub>w</sub> ) <sup>2</sup> =	:	$P_d =$		% (P <sub>e</sub>	- 14.4) +	14.4 =	:	(P <sub>a</sub> ):	! =  0.207 ! =		
(P <sub>e</sub> ) <sup>2</sup> - (P or (P <sub>a</sub> ) <sup>2</sup> - (P	_	(P	<sub>a</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	2. P <sub>g</sub> <sup>2</sup> -P <sub>g</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide	D 2 0 2	Slope	sure Curve = "n" or gned	n x l	.og	Antilog	Open Delive	Flow rability x Antilog	
<del></del>				dMded by: $P_a^2 - P_w^2$		P.2-P.2	Standa	rd Slope	<del> </del> -	,	· . · · :	(Mi	ofd)	
			<del></del>	·/		····	<del>                                     </del>		_					
Open Flow			Mcfd @ 14.65 psia				Deliverability		Mcfd @ 14.65 psia					
				n behalf of the				ኃሀ	o make th	ne above repoi	t and that he ha	s knowled	ige of	
		<del>- :</del>	Witness (	l any)	<del></del>	<u></u>		Ja	nicl	Kip	lly ompany	REC	EIVED	
			For Comm	ssion		<del></del>				Chec	ked by	MAY :	<del>7 7 7</del> 1	

	I
exempt status under and that the foregoi correct to the best of of equipment installa I hereby request	penalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.  In pressure information and statements contained on this application form are true and my knowledge and belief based upon available production summaries and lease records ation and/or upon type of completion or upon use being made of the gas well herein named. a one-year exemption from open flow testing for the Dikeman 1
gas well on the grou	nds that said well:
(Check or	ne)
· 🛁	a coalbed methane producer
<u> </u>	cycled on plunger lift due to water
	a source of natural gas for injection into an oil reservoir undergoing ER
<u> </u>	on vacuum at the present time; KCC approval Docket No.
<b>▼</b> 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: <u>5-24-11</u>	Signature: <u>Janich Ripley</u>
	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.