KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test: (See Instructions on Reverse Side)													
Open Flow					Toot Date	Test Date:			ΛĐΙ	No. 15	•		
Deliverability				7-/8-/	7-18-14			API No. 15 075-20815-00-00					
Company Horseshoe Operating, Inc.					Lease Yoder			, .		· 1	Well Number		
County Hamilto	 on '	_:_	Location NE SE		Section 34		TWP 22S		RNG (E/W) 40W		Acres Attributed 640		
Field Bradshaw					Reservoir Winfield				Gas Gathering Connect Oneok Field Servi				
Completion 1/4/05	on Dai	te	• .		Plug Back Total Depth 2652		ih	Packer Set at		Set at-			
Casing Size 4.5			Weight 10.5		Internal Diameter 4.052		Set at 2657		Perforations 2630		To 2639		
Tubing Size 2.375			Weight 4.70		Internal Diameter 2.000		Set at 2643		Perforations		То		
Type Con Single	npletio	n (D	escribe)	,	Type Flui Water	Type Fluid Production Water		1		Pump Unit or Traveling P		Plunger? Yes / No	
Producing Thru (Annulus / Tubing)				% C	% Carbon Dioxide			% Nitrogen		Gas Gr	Gas Gravity - G		
Vertical Depth(H) Pressure Taps (Meter Run) (Prover) Size													
Pressure Buildup: Shut in													
Well on Line: Started 20 at (AM) (PM) Taken 20 at (AM) (PM)													
			*		_4·	OBSERVE	D SURFACE	E DATA			Duration of Shut-	in 24 Hours	
Static / Orifice			Circle one: Meter	Pressure Differential	Flowing	Well Head Temperature	Casing Wellhead Pressure		Tubing Wellhead Pressure		Duration	Liquid Produced	
Property	(inch		Prover Pressur psig (Pm)	in Inches H ₂ 0	t	t	(P _w) or (P	psia	(P _w) o	r (P _t) or (P _c)	(Hours)	(Barrels)	
Shut-In	Shut-In .500							66		,	24		
Flow			_				ı						
<u> </u>						FLOW STR	EAM ATTR	BUTES					
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psla		Press Extension ✓ P _m x h	Grav Fact F _e	or 1	1 T		riation actor = pv	Metered Flow P (Mcfd)	GOR (Cubic Fe Barrel)	l Graditu I	
				_		OW) (DELIV	ERABILITY)					²= 0.207	
(P _c) ² =		<u>-:</u>	(P _w)²=_	hoose formula 1 or 2:	P _d =		6 (P) - 14.4) +	14.4 =	 :	(P _d)	² =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		1. $P_c^2 - P_d^2$ 2. $P_c^2 - P_d^2$ vided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Backpressure Slope =		- n x	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mofd)	
			•							:			
Open Flow			Mcfd @ 14.65 psia				Deliverability		Mcfd @ 14.65 psia				
• •		- nedn	Lauthority on			tates that h			o maka #	=	t and that he ha		
			n, and that sai				-	2/2	day of	augu	st.	, 20 <u>/ 4</u> .	
i			Witness (if	ıny)	*		_		anu	L Ku	DULY ompany		
			For Commis	sion		R Kansas co rp	eceived ORATION CON	MISSION		Chec	ked by		

AUG 2 9 2014

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exempt status	under penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc. oregoing pressure information and statements contained on this application form are true and
of equipment i	best of my knowledge and belief based upon available production summaries and lease records installation and/or upon type of completion or upon use being made of the gas well herein named. equest a one-year exemption from open flow testing for the Yoder#1
	e grounds that said well:
<i>(C</i>) [[[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
	gree to supply to the best of my ability any and all supporting documents deemed by Commission sary to corroborate this claim for exemption from testing.
Date: <u>8-8</u>	36-14
	Signature:
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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.