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

. Туре Тез	it:						(See Insti	ructions on Re	verse Side	<del>)</del> )					
Open Flow						<b>-</b>									
Deliverabilty					4-3-	14		API No. 15 <b>15-071-20715<i>~0000</i></b>							
Compan		Оре	erating, I	nc.				Lease Edmui	า			2-17	Well No	ımber	
County Greele	<u></u>	Location C NE			Section 17		TWP 19S			RNG (E/W) 40W		Acres Attributed 640			
Field Bradshaw					Reservoi Chase			Gas Gathering Connec							
Completi 12/01/9		ite				Plug Bac 2995	k Total D	epth			Packer Set at None				
Casing S 4.5	lize	Weight 10.5			Internal I 4.052	Diameter		Set at <b>2986</b>		Perforations 2884		To 2890			
Tubing S 2.375	ize	Weight 4.7				Internal I 1.995	Diameter		Set at 2902		Perforations		То		
Single	Gas		(Describe)			Type Flui Water	d Produc	tion			Pump Unit or Traveling Plunger Yes				
Annulu	s		rulus / Tubi	ing)		· % C	arbon Die	oxide		% Nitrog	jen		avity - 0	-	
Vertical D 2887	epth(i-	i)					P	egsure Taps	·			(Meter	Run) (Pi	over) Size	
Pressure			Shut in			0 <u>/</u> / at		$\mathcal{O}$	Taken	4		14 <sub>at</sub> 8'0	_	AM) (PM)	
Well on L	ine:		Started		2	0 at		(AM) (PM)	Taken		20	at	(	AM) (PM)	
		<u> </u>		_	- · · -		OBSER	VED SURFAC	E DATA			Duration of Shut-	in 2	Hours	
Static / Dynamic Property	Orifice Size (inches)		Circle ono: Pressure Meter Differential Prover Pressure In Inches H <sub>2</sub> 0		Flowing Temperature t	Temperature Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>c</sub> ) psig psia		Tubing ead Pressure or (P <sub>1</sub> ) or (P <sub>0</sub> ) psia	Duration (Hours)				
Shut-In		-						pang	psia psig		į su	24	4		
Flow									- ,			·			
							FLOW S	TREAM ATTR	IBUTES				·		
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Girch one: Meter or Prover Pressure psia			Press Extension P <sub>m</sub> xh	Grav Fact F <sub>g</sub>	or	Flowing Temperature Factor F <sub>I</sub> ,	Temperature Factor F		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
				丄							<u></u>	<u> </u>			
(P <sub>c</sub> ) <sup>2</sup> =		_:`	(P_)2:	=	:	(OPEN FLO	OM) (DÉT	.IVERABILITY _% (F	) CALCUL 2 - 14.4) +		·;	(P <sub>a</sub> )	<sup>2</sup> = 0.20	07	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		2	se formula 1 or 2: 1. P <sub>2</sub> <sup>2</sup> -P <sub>2</sub> <sup>2</sup> 2. P <sub>2</sub> <sup>2</sup> -P <sub>3</sub> <sup>2</sup> and by: P <sub>2</sub> <sup>2</sup> -P <sub>2</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide by:	P,2-P,2	Backpressure Cun Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flow Mcfd @ 14.6				55 psia	<i>!</i>	Deliverab	Deliverability		Mcfd @ 1		14.65 psia				
					ehalf of the c				// ⁻	day of	lugu	t and that he ha	s knowl	edge of	
		_	Witness	(if any	<del>)</del>			. <u>-</u>		Jane	For C	MULLY Ordany	REC	EIVED	
			For Com	mission	n			-			Chec	ked by KANSAS	CORPOR	ATION COMMI	

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i declar	e under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	us under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	e foregoing pressure information and statements contained on this application form are true and
	e best of my knowledge and belief based upon available production summaries and lease records
	nt installation and/or upon type of completion or upon use being made of the gas well herein named.  y request a one-year exemption from open flow testing for the
	the grounds that said well:
gas-well on	the grounds that said well.
(6	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
·	agree to supply to the best of my ability any and all supporting documents deemed by Commission essary to corroborate this claim for exemption from testing.
Date:	-4-14
	Signature: Janice 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.