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

Type Tes	st:						(See Instr	uctio	ns on Rev	erse Side	)					
Open Flow							Total Boson									
Deliverability						7/2/	Test Date: ///					API No. 15 15-071-200660 (~) (~)				
Compan	ıy					1/00	<del>/ //-</del>	~	Lease	• • •			<u>~000</u>	W	all Number	
Horseshoe Operating, Inc.					Vogelman						2	***	in realition			
County Location Greeley C SW SW				Section 8			TWP RNG 19S 40V			(W)		Ac	res Attributed			
Field Bradshaw				Reservoir Winfield						hering Conne flidstream	ection 25		<del></del>			
Completi 1/4/75	ate				Plug Back Total Depth 2960				Packer Set at None							
Casing Size				Weight 9.5			Internal Diameter 3.995			Set at 2969		Perforations 2894		99	<del></del>	
	Tubing Size Weight			<del></del>	Internal Diameter			Set at 2932		Perforations		To		<u></u>		
Type Completion (Describe) Single Gas				Type Fluid Production Water						nit or Traveling	ng Plunger? Yes / No					
Producing Thru (Annulus / Tubing)						% Carbon Dioxide				% Nitrogen			Gas Gravity - G			
Tubing						% Carbon Dioxide				/e Millogali			Gas Glavily - G <sub>g</sub>			
Vertical Depth(H) 2896				Prassure Taps Flange								(Meter Run) (Prover) Size				
Pressure	Build	ıp:	Shut in	7].	25 <sub>2</sub>		2:45	2 (A	M) (FM) T	aken	1/2	26 20	// at /6		5 (AM) (PM)	
Well on L	.ine:		Started		20	) at		_ (A	M) (PM) 1	ľaken	<del></del>	20	at		(AM) (PM)	
		<u>.</u>					OBSERV	ED :	SURFACE	DATA			Duration of S	ihut-in_	24 Hours	
Static / Dynamic Property	Orifice Size (inches)  Citcle ane; Meter Pressure Differential In psig (Pm) Inches H <sub>2</sub> 0			Differential In	Flowing Well Head Temperature t t			Casing Wellhead Pressure $(P_a) \propto (P_t) \propto (P_c)$		Tubing Weilhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>s</sub> )		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In	.500		psig (Pm)		Inches H <sub>2</sub> U		<u> </u>	psig		psia psip 63.5		psia	24	_		
Flow		_											- <del></del> -J-			
							FLOW ST	REA	M ATTRIE	UTES						
Plate Coeffictient (F <sub>b</sub> ) (F <sub>p</sub> ) Mofd		Cittle ore: Moter or Prover Pressure psla			Press Extension  Pmxh	Grav Fact F	or	Flowing Temperature Factor F <sub>it</sub>		Oeviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
									<del></del>				<del></del>			
						(OPEN FLO	OW) (DELI	VER	ABILITY)	CALCUL	ATIONS			(P <sub>a</sub> ) <sup>2</sup> =	0.207	
(P <sub>a</sub> ) <sup>2</sup> =		<u>:</u>	(P <sub>w</sub> )2		<del>:</del> _	P <sub>a</sub> =		%	(P <sub>c</sub>	- 14.4) +	14.4 =	<u></u> :		(P <sub>a</sub> )² ≈		
$(P_{g})^{2} - (P_{g})^{2}$ or $(P_{g})^{2} - (P_{g})^{2}$		(P <sub>e</sub> )2- (P <sub>w</sub> )2		Choo 1	proper	LOG of formula 1. or 2. and divide	P.2. P.2	Slope Ass		sure Curve pr n x gned		.00	Antilog	E	Open Flow Deliverability quals R x Antilog	
<del></del>	-			_divida	id by: P.2 · P.2	by:	<u> </u>	+	Standar	d Slope	-			<del> -</del>	(Mcfd)	
							·	+				<del></del> '		+		
Open Flow Mcfd © 14.65 p				5 psia	psia Deli			iverability			McId @ 14.65 psia					
					ehalf of the (		•			2	make th	e above repor	t and that h	e has k	nowledge of	
			Witness	(if smy)	<del></del>						Jane	ice K	reley	<u> </u>		
<del></del>			For Corn	nlasior	1	-	<del></del>				<u> </u>	Chec	ead by		RECEIVED	

AUG 1 1 2011

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 Vogleman 2
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
The second of th
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: 8/3///
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.