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

Type Tes	at:				(See Instruc	tions on Rev	erse Sid	e)					
Open Flow			Tost Dat	Test Date:			API No. 15						
Deliverability			2-3-1				15-071-20040 -						
Compan		ating, Inc.		<del></del>		Lease Beard	•			1	Well Nu	nber	
County Location Greeley C SE			Section 36		TWP 20S		RNG (E/W) 41W			Acres Attributed			
Field					Reservoir L. Winfield			Gas Gathering Connection DCP Midstream					
Completion Date 3/19/73				Plug Bac 2798	Plug Back Total Depth 2798			Packer None	Set at			<del></del>	
Casing Size Weight 4.5" 9.5			Internal I	Diameter	Set at <b>2829</b>		Perforations 2770		To 2775	то 2775			
Tubing Size Weight 2"			Internal I	Diameter	Set at 2748		Perforations		То	То			
	npletion (I	Describe)		Type Flui Water	d Production			Pump U Yes	nit or Traveling	Plunger? Yes	/ No	<u></u>	
Producing	g Thru (Al	nnulus / Tubing)		% C	Carbon Dioxi	de		% Nitro	gen ·	Gas Gi	ravity - G	<del></del>	
Annulus Vertical E			·		Press	виге Тарѕ				(Meter	Run) (Pro	over) Size	
Proceuro	Bulldup:	Shut in	?-2 2	o	8:30	(PM)	Takon	2-5	3 20	// at 8:3	30 6	(PM)	
Well on L	•				,					at	Ċ	(PM) (M) (PM)	
	·.		•		OBSERVE	D SURFACE	DATA			Duration of Shut-	-in_2	Hours	
Static / Orifice Dynamic Size Property (Inches		Meter Differential Prover Pressure in		Flowing Temperature t	Temperature Temperature		Casing Wellhead Pressure (P, ) or (P, ) or (P, )		Tubing ead Pressure # (P,) or (P,)	Duration (Hours)		Produced arrels)	
Shut-In	.50	psig (Pm)	Inches H <sub>2</sub> 0			psig	psia 101	psig	psia	24	<u> </u>		
Flow	. 50						· · · · · · · · · · · · · · · · · · ·			<u> 37</u>	<del>                                     </del>		
					FLOW STR	EAM ATTRIE	BUTES						
Plate Coefflec (F <sub>b</sub> ) (F Mcfd	ient ) P	Circle one:  Meter or  Prover Pressure psla  Press Extension  ✓ P <sub>a</sub> x l		Grav Fact F	tor T	Temperature Fr		viation Metered Flow actor R F <sub>pv</sub> (Mcfd)		v GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
												·- <u></u>	
(P <sub>c</sub> )² =		(P <sub>w</sub> )² =_	•	(OPEN FLO		ERABILITY)	CALCUL - 14.4) +		•	(P <sub>a</sub> ) (P <sub>d</sub> )	² = · 0.20	7	
(P <sub>a</sub> ) <sup>2</sup> · (P <sub>a</sub> )	i	(P <sub>a</sub> )*- (P <sub>u</sub> )*	1. P <sub>e</sub> <sup>2</sup> - P <sub>e</sub> <sup>2</sup> 2. P <sub>e</sub> <sup>2</sup> - P <sub>e</sub> <sup>2</sup>	LOG of tormuta 1. or 2. and divide	P, 2. P, 2	Backpress Slope 	sure Curve = "n" or gned rd Slope		roe	Antilog	Ope Deliv Equals	n Flow erability R x Antilog	
			ilded by: $P_e^2 - P_g^2$	by:		Standar	a Siope			<u> </u>			
										·			
Open Flow Mcfd @ 14.65 psia						Deliverability				Mcfd @ 14.65 psia			
	_	•				± 1.00 mm (1.00 mm)			he above repo	rt and that he ha	as knowle	edge of	
the facts s	tated there	ein, and that said 	d report is true	and correc	t. Executed	this the		day of NLC	PI	lous.	, 20	) <u>//_</u> .	
	· · · · · · · · · · · · · · · · · · ·	Witness (If a	iny)	, , , , , , , , , , , , , , , , , , ,			Ja	nice		Company	RECE		
		For Commiss	sion			<del></del>	<del></del>		Chec	cked by	AT L	7_2011_	

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 Beard #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 Commission staff as necessary to corroborate this claim for exemption from testing.
Date: <u>5-24-11</u>
Signature: <u>Qanice Ripley</u> Title: <u>Production Assistant</u>

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.