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

Type Tes	st:				(See Instruc	ctions on Re	rerse Side	∍)				
	pen Flow			, Test Dat	te:			A۶	'i No. 15			
	eliverabilty	· · · · · · · · · · · · · · · · · · ·		<u> 1-9-13</u>	3			15	-071-2011	0 - 0000		
Company Horseshoe Operating, Inc.			Lease <b>Sel</b> l						B-1	Well Num	ber	
County Greeley	County Location Greeley C SE		ion	Section 3		TWP 17S		RNG (E/W) 40W			Acres Att	ributed
Field Bradshaw			Reservoir U. Ft. Riley				Gas Gathering Connection DCP Midstream					
Completion Date 7/76			Plug Back Total Depth 3050				Packer None					
Casing Si 4.5	g Size Weight 10.5		Internal Diameter 4.09		Set at <b>3049</b>		Perforations 2994		To 3000			
Tubing Si 2.375			Internal Diameter 1,995		Set at <b>3045</b>		Perforations		То			
Type Completion (Describe) Single Gas			Type Fluid Production Water				Pump Unit or Traveling Plunger? Yes / No Yes					
Producing Annulus		nulus / Tubing	9)	% (	Carbon Dioxi	ide		% Nitro	gen	Gas G	ravity - G	
Vertical De 3050	epth(H)	···	7		Pres	sure Taps	•			(Meter	Run) (Prov	er) Size
Pressure I	Buildup:	Shut in	1-8 :	20/3 <sub>at</sub> _	9:45	(AM) (PM)	Taken	1-	920	13 at 9,	45 AN	(PM)
Well on Li	ne:	Started	2	0 at		(AM) (PM)	Taken		20	at	(AN	/) (PM)
		-			OBSERVE	D SURFACE	DATA			Duration of Shut	in_24	E Hou
Static / Dynamic Property	Orifice Size (Inches)	Circle one: Meter Prover Pressui	- ]	Flowing Well Heat Temperature Temperat		Wallhaad Praceura		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	625	psig (Pm)	Inches H <sub>2</sub> 0				psig psia		psia	24		<del></del>
Flow	0,						1 <b>0) 4</b>			01_	<del> </del>	<u>-</u>
		<del>'</del>	<del></del>	<del> </del>	FLOW STR	EAM ATTRI	BUTES	<u> </u>				
Plate Coeffiecie (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Citale one: Meter or over Pressure psia	Press Extension ✓ P <sub>m</sub> x h	ension Factor		<b>*</b>		Deviation , Metered Factor R F <sub>pv</sub> (Mcfe		GOR (Cubic Fo	eet/	Flowing Fluid Gravity G
P <sub>c</sub> ) <sup>2</sup> =	:	(P <sub>w</sub> ) <sup>2</sup> =_	:	(OPEN FLO	OW) (DELIVE	ERABILITY)	CALCUL - 14.4) +		•	(P <sub>a</sub> )	) <sup>2</sup> = 0.207	
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub>		(P <sub>w</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> -P <sub>s</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>s</sub> <sup>2</sup> vided by: P <sub>c</sub> <sup>2</sup> -P <sub>s</sub> <sup>2</sup>	LOG of formuta 1, or 2. and divide	P <sub>c</sub> <sup>2</sup> . P <sub>w</sub> <sup>2</sup>	Backpressure Curve Slope = "n"		, a x 100		Antilog	Open Flow Deliverability Equals R x Antilog (Mofd)	
Don Simi			14 5 5 7	1.	•							
Open Flow			Mcfd @ 14.6	•		Deliverabil				Mcfd @ 14.65 ps		
			d report is true				2	make that day of	above repo	rt and that he ha	as knowledg	ge of
•	<del></del>	Witness (if a	nvi	<del>- KANSAS</del>	RECEIVI	ED ON COMMISSI	ON CA	nic	e Ry	iley		
	<u>-</u>	For Commiss			APR 11	2010	U			bad by		
		, S. Sonrillat			• • • • •				Unec	ked by		
<del></del>	el administration (			CI	ONSERVATIO WICHITA		<del>Marijan</del> ia za sama	where.				

exempt status under and that the foregoir correct to the best of of equipment installar	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 tion 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 Sell B-1
is is is is is is is	a coalbed methane producer cycled on plunger lift due to water a source of natural gas for injection into an oil reservoir undergoing ER on vacuum at the present time; KCC approval Docket No not capable of producing at a daily rate in excess of 250 mcf/D supply to the best of my ability any and all supporting documents deemed by Commission corroborate this claim for exemption from testing.
Date: 4-3-13	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.