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

Type Test:	:			(	See Instruct	ions on Rev	verse Side	)				
Оре	en Flow			Test Date				ΔĐŧ	No. 15 ′			
Deli	iverabilt	y		5-22			•		140. 10	-00.00		
Company Horsest		perating, Inc				Lease Hill				1 V	/elf Number	
County Hamilton		Locati C SW	Location C SW		Section 10		TWP 22S		W)	Acres Attributed		
Field Bradshaw				Reservoi Winfiel	•		Gas Gathering Connection DCP Midstream		ection			
Completion Date 10-27-1999			Plug Back Total Do 2777 TD			h	Packer Set at		Set at	•		
Casing Size 4.5		Weigh <b>10</b> .5	Weight 10.5		Internal Diameter 4.052		Set at <b>2776</b>		rations 6-38	70 2 <b>740-5</b> 0		
Tubing Size 2.375		Weigh 4.7	Weight 4.7		Internal Diameter 2.0000		Set at <b>2753</b>		rations	То		
Type Completion (D Single gas		(Describe)		Type Flui Water	Type Fluid Production Water		Yes		nit or Traveling	Plunger? Yes /	ger? Yes / No	
Producing Casing	Thru (/	Annulus / Tubing	)	% C	arbon Dioxi	de		% Nitrog	en	Gas Gra	vity - G <sub>g</sub>	
Vertical De	epth(H)	and the Property of the Property of the Control of			Pres: Flan	sure Taps ge				(Meter R	un) (Prover) Size	
Pressure E	Buildup:	Shut in	5-21 2	0/2at 4	0:07	(AM) (PM)	Taken	5-2	2 20.	12 at 6:11	(AM) (PM)	
Well on Lin			2			<u>し、</u>		_		at		
		4	· · · · · · · · · · · · · · · · · · ·	·	OBSERVE	D SURFACI	E DATA			Duration of Shut-in	a 24 Hours	
Static / Dynamic Property	amic Size Prover Pressure		Pressure Differential	Pressure Differential In Temperature Well Head Temperature		Casing Wellhead Pressure		Tubing  Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$		Duration (Hours)	Liquid Produced (Barreis)	
Shut-In	(inches	psig (Pm)	Inches H <sub>2</sub> 0	t	<b>t</b>	psig	psia 52	psig	psia	24		
Flow	.   2		-				50			a		
			<del></del>	L	FLOW STR	EAM ATTR	IBUTES					
Plate Coeffiecie (F <sub>b</sub> ) (F <sub>p</sub> Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Grav Fac	tor	Flowing Femperature Factor F <sub>ft</sub>	Fa	riation actor = pv	Metered Flow R (Mcfd)	GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G <sub>m</sub>	
		1	` ` `	<u> </u>								
/D \2		•		•	OW) (DEĹIV		-			(P <sub>a</sub> ) <sup>2</sup> (P <sub>d</sub> ) <sup>2</sup>	= 0.207	
$(P_c)^2 = $ $(P_c)^2 - (P_c)^2 - ($	_	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide		Backpre Slop As	P <sub>c</sub> - 14.4) + essure Curve pe = "n" - or signed lard Slope	•	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
			divided by: $P_c^2 - P_w$	by:		Statio	ald Slope				<u> </u>	
Open Flow	<u>'</u>	·	Mcfd @ 14.	65 psia		Deliverab	oility			Mcfd @ 14.65 psi	a	
		ned authority, or				_	uthorized to	day of _	he above repo	ort and that he ha	s knowledge of, 20 <u>/2</u> .	
<del></del> ·					RECEN	VEL .	·	Jan	ice k	iples	- <del></del>	
		Witness (if	any)		JUL 0 5	2012		0	For			
	***	For Commi	ssion		<b>~~</b> ~ √	a with -			Che	cked by		

	re under penalty of perjury under the laws of the state of Kansas that I am authorized to request									
	tus 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									
	ne 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.									
I hereby	y request a one-year exemption from open flow testing for the Hill #1									
gas well on	the grounds that said well:									
	(Cheek and)									
(	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									
Çå.	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 first coupable of processing at a sainy rate in excess of 200 may 2									
↓ I further	r agree to supply to the best of my ability any and all supporting documents deemed by Commissio									
•	ressary to corroborate this claim for exemption from testing.									
Datas la-	-26-12									
Jale										
	$\sim$ $\sim$ $\sim$ $\sim$ 1									
	Signature:									
	Wasdust and Assistant									
	Title: <b>PIUUUTION TISTAN</b>									

## 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.