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

Type Test	t:				(	See Instruc	ctions on Re	everse Side	e)	ŕ				
Op	en Flow	ı			Test Date	.,			A Di	No 15				
✓ Deliverabilty					05/20/2013 to 05/24/2013				API No. 15 071-20269 — <b>0<i>000</i></b>					
Company Horseshoe Operating, Inc.					Lease Roe •				Well Number #2					
County Location				Section		TWP		RNG (E/W)		Acres Attributed				
Greeley C SE SW 1/4			29	,	178	178		40W						
Field Bradshaw				Winfield	Reservoir Winfield			Gas Gathering Connection DCP Midstream						
Completion Date 8/31/82				Plug Bac 3035	k Total Dep	th		Packer Set at						
Casing Size Weight 4.5 10.5				Internal [	Diameter	Set at 3032		Perforations 2941		то <b>296</b> 2	то <b>2962</b>			
Tubing Size Weight 2.375 4.7			ght	, Internal Di 1.995			ameter Set at 2929		Perfor	ations	То	То		
Type Completion (Describe) Single (Gas)				Type Flui Salt W	d Productio ater	n			it or Traveling	g Plunger? Yes	er? Yes / No			
		Annulus / Tubi	ng)		% C	arbon Diox	ide		% Nitroge		Gas G	aravity -	G <sub>g</sub>	
nnulus														
Vertical Depth(H)					Pressure Taps Flange					(Meter 2 inc		Prover) Size		
Pressure Buildup:		Shut in 05	5/20	2	13 at 5	13 at 5:15 AM		(AM) (PM) Taken 05		20	13 at 7:15	AM	(AM) (PM)	
/ell on L	ine:	Started		2	0 at		(AM) (PM)	Taken		20	at	·	(AM) (PM)	
						OBSERVE	D SURFAC	E DATA			Duration of Shu	<sub>it-in</sub> 98	Hours	
Static / Orific		Meter	Diff	essure erential	Flowing Temperature	Well Head Temperature	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>o</sub> )		Tubing Weilhead Pressure		Duration		Liquid Produced	
roperty	(inche	s) Prover Pres psig (Pm		in nes H <sub>2</sub> 0	t	t	(P <sub>w</sub> ) or (I	psia			(Hours)		(Barrels)	
Shut-In					·		100	113,4			98	n/a		
Flow											***************************************			
					t	FLOW STE	REAM ATTE	RIBUTES	i					
Plate	. T	Circle one:		ress			Flowing						Flowing	
Coeffiecient		Meter or Prover Pressure psia	Ext	ension P <sub>m</sub> x h	Grav Fact F <sub>g</sub>	tor	Temperature Factor F <sub>11</sub>	Fa	iation ector =	Metered Flow R (Mcfd)	v GOF (Cubic F Barre	eet/	Fluid Gravity G <sub>m</sub>	
												-		
	-				(OPEN FLO	OW) (DELIV	ERABILITY	() CALCUL	ATIONS					
c)2 =		: (P <sub>w</sub> ) <sup>2</sup>	=	:	P <sub>d</sub> =	• •		P <sub>c</sub> - 14.4) +		:		$(x^2)^2 = 0.2$ $(x^2)^2 = 0.2$	<u>!</u> 07	
ļ		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose for	rmula 1 or 2			Backpressure Curve Slope = "n"					Open Flow Deliverability		
(P <sub>e</sub> ) <sup>2</sup> - (P <sub>g</sub> ) <sup>2</sup>			١ '	²-P <sub>a</sub> ² P <sub>c</sub> ²-P <sub>a</sub> ²	1. or 2. and divide by:	P.2 - P.2					Antilog		Equals R x Antilog (Mcfd)	
pen Flo	w		Mcf	d @ 14.	65 psia		Deliverat	oility			Mcfd @ 14.65 p	sia		
The i	undersig	ned authority,	on behal	f of the	Company, s	tates that h	e is duly a	uthorized to	o make the	e above repo	rt and that he h	ias know	/ledge of	
facts s	tated the	erein, and that	said repo	rt is true	and correct	t. Executed	this the 0	4	day of Ju	ne	. 1		20 13	
		Witness	(if any)		n - sanda - Maria				anic	U Ky	plly-	KC	C WICH	
			nmission				-	V	_	Cher	cked by	<del>  ]  </del>	L 05 20	
		. 5. 501								O Dec			_	
												F	RECFIVI	

	declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	pt status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	nat the foregoing pressure information and statements contained on this application form are true and
	ct to the best of my knowledge and belief based upon available production summaries and lease records
	ipment installation and/or upon type of completion or upon use being made of the gas well herein named.
11	nereby request a one-year exemption from open flow testing for the Roe #2
gas w	ell on the grounds that said well:
	(Check one)
	is a coalbed methane producer
	is a source of natural age for injection into an oil reconneit underneits. EB
	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
	urther agree to supply to the best of my ability any and all supporting documents deemed by Commissio s necessary to corroborate this claim for exemption from testing.
Date: _	06/04/13
	Signature: Janus Ripley  Title: Froduction 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.