**RECEIVED** 

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

	it: pen Flow eliverabilty			·	•	ctions on Re	verse Side	^ API	No. 15			
Compan		<del></del>		5-22	-/3			15	-075-20806	50000		
		erating, Ind	<b>.</b>			Lease Elsie				1	Well Number	
County Location Hamilton NW		on	Section 3		TWP 23S		RNG (E/W) 40W			Acres Attributed 480		
Field Bradshaw				Reservoir <b>Winfield</b>				Gas Gathering Connection DCP Midstream				
Completion Date 10-28-2003			Plug Back Total Dep 2597			th		Packer (	Set at			
Casing Size 4.5		Weight 10.5		Internal Diameter 4.052		Set at <b>2598</b>		Perforations 2560-66		To <b>256</b>	то <b>2569-2579</b>	
		Weight 4.70		Internal Diameter 2.000		Set at <b>2591</b>		Perforations		То		
Type Completion (Describe) Single - Gas			Type Fluid	d Productio	n Pump Unit or Trave		nit or Traveling	Plunger? Ye	es / No			
Producing Casing	g Thru (An	inulus / Tubing	)	% C	arbon Diox	ide		% Nitrog	en	Gas	Gravity - G <sub>g</sub>	
Vertical D	epth(H)				Pres	sure Taps				(Mete	er Run) (Prover) Size	
Pressure	Buildup:	Shut in	5-21 2	o 13at _	1:03	(AM) (PM)	Taken	5-8	12 <sub>201</sub>	13 at 9.	103 (AM) (PM)	
Well on L	ine:	Started	2	0 at		<b>—</b>						
					OBSERVE	D SURFAC	E DATA		Section in the section in	Duration of Sh	ut-in 24 Hours	
Static / Dynamic Property	Orifice Size (inches)	Circle one:  Meter  Prover Pressur  psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Differential Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)	Liquid Produced (8arrels)	
Shut-in	1.00						58.8		psu	24		
Flow		<u></u>										
<del></del>	<u> </u>	·		1	FLOW STR	EAM ATTR	BUTES	·		· .		
Plate Coeffiecie (F <sub>a</sub> ) (F <sub>p</sub> Mcfd		Circle one: Meter or over Pressure psia	Press Extension √ P <sub>m</sub> x h	Gravi Facto F		Flowing emperature Factor F <sub>tt</sub>	Deviation Factor F <sub>pv</sub>		Metered Flow R " (Mcfd)	GO (Cubic Barr	Feet/ Fluid	
							<u> </u>					
° <sub>c</sub> )² =	:	(P <sub>w</sub> ) <sup>2</sup> =	<u> </u>	(OPEN FLO	(DELIVI	-	- 14.4) +		<u>.                                    </u>		$(2)^2 = 0.207$ $(2)^2 = 0.207$	
(P <sub>e</sub> ) <sup>2</sup> - (P <sub>e</sub> ) or (P <sub>e</sub> ) <sup>2</sup> - (P <sub>e</sub> )	l	(P <sub>w</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	ioose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_a^2$ ided by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide by:	P. 2 - P. 2	Slop Ass	sure Curve e = "n" or igned ird Slope	nxL	og [ ]	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
pen Flow			Mcfd @ 14.6	5 psia		Deliverabi	lity			Acfd @ 14.65 p	osia	
The un	dersigned	authority, on l	pehalf of the (	Company, sta	ates that he		<del> </del>	make the			has knowledge of	
facts sta	ted therein	n, and that said	report is true	and correct.	Executed t	this the	10 °	lay of(	June	D. 1	.20 13.	
		Witness (if ar	y)			_		jani	CU A	sple	PKCC WICH	
		For Commissi	on			_	, . <i>V</i>	· 	Check	red by	JUN 2 0 20	

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
gas well on the grounds that said well:
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 Commiss
staff as necessary to corroborate this claim for exemption from testing.
Date: 6-18-13
Signature:

## 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.