RECEIVED

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

Type Test:	:					(See In	struc	tions on Re	verse Sia	le)						
Оре	en Flow	1			Tact Dat	Α.				۸۵	l No. 15					
Deliverability 5-26					5-22-	<i>]3</i>					1-20807	7-00-0	0			
Company Horseshoe Operating, Inc.						Lease Householder								Well Number 3-29		
County Location Greeley N/2 NE SW				Section 29			TWP 20S		RNG (E/W) 40W			Acres Attributed				
Field Bradshaw				Reservoir Winfield				Gas Gathering DCP Midstrear				ction				
Completion Date 1-20-2005			Plug Back Total Depth 2848 (TD)			th	Packer Set									
Casing Siz 1.5	asing Size Weight 5 10.5			Internal Diameter 4.052			Set at		Perforations 2789			то <b>27</b> 99				
ubing Size Weight -3/8" 4.7			Internal I 2.000	Internal Diameter 2.000			Set at 2831		orations	То						
Type Completion (Describe) Single - Gas				Type Flui Water	Type Fluid Production Water						mp Unit or Traveling Plunger? Yes / No ump Unit - Rod					
Producing Annulus		Annulus / Tub	ing)	-	% (	Carbon i	Dioxi	de		% Nitro	gen	<del>-</del>	Gas	Gravity -	G	
/ertical De								sure Taps	·					r Run) (	Prover) Size	
Process C	De site de see	Shut in	5-6	21 .	./3		lan			5-6	≀a		2" 13 <sub>at</sub> 7	'32		
Vell on Lir													at at		_	
									<u> </u>				<del></del>		02/	
Static / ynamic	Orifice Size	Ze Prover Pressure		Pressure Differential in	Flowing Temperature	Well He	ead	Casing Wellhead Pressure (P_ ) or (P_ ) or (P_ )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>s</sub> ) or (P <sub>s</sub> )		ıre	Duration of Shu Duration (Hours)	<u> </u>	-in Hours  Liquid Produced  (Barrels)	
Property Shut-In	(inches			inches H <sub>2</sub> 0	t	<u> </u>		psig	psia	psig				+	(20100)	
Flow	~					<u></u>			41			+	24			
	<del></del> -	<u> </u>	j			FLOW	STR	EAM ATTRI	BUTES					<u> </u>		
Plate Coeffiecte (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Cirde one: Meter or Prover Pressure psia		Extension Fa		vity To		Flowing Devia		mation Metered Flow Interest I		GOF (Cubic I Barre	eet/	Flowing Fluid Gravity G <sub>m</sub>		
	<u>_</u>					OW) (DE		ERABILITY)			•			) <sup>2</sup> = 0.	_L 207	
c) <sup>2</sup> =		: (P <sub>w</sub> ) <sup>2</sup>		ose formula 1 or 2:	P <sub>d</sub> = .		<sup>9</sup>	T	- 14.4) +			<u>:</u>	(P,	<sub>d</sub> ) <sup>2</sup> =		
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub>	,) <sup>2</sup>	(P <sub>c</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> and by: P <sub>c</sub> <sup>2</sup> - P <sub>s</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide by:		2	Backpressure Curve Slope = "n" or Assigned Standard Slope			rog		Antilog	De	Open Flow Deliverability Equals R x Antilog (Mcfd)	
								-								
pen Flow			<u> </u>	Mcfd @ 14.6	55 psia	· ·		Deliverabil	ity_			м	cfd @ 14.65 p	sia		
									9/1		e above	report	and that he h	as knov	vledge of	
tacts sta	ited the	rein, and that	said r	report is true	and correct	. Execu	ited i	this the	24_	day of	JUK	Ž,	ila	·	20 <u>/</u> .	
, <u></u>	•	Witness	(if any	)	- <del></del>		_	_	l	Janu	ן אנ	For con	npany T	KC	WICH	
		For Con	ımleslo	n			W.79			<u> </u>		Checks	d by	JU	N 2 6 201	

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 Householder 3-29 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: ∠ 2 4 - 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.