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

Type Test:  Open I	=low				(See Instrud	ctions on Re	overse Side	)				
Deliverabilty				Test Date 8/5/	Test Date: API No. 15 8/5//0 071-20788-00-00							
Company Horseshoe Operating, Inc.				<del>- 0/0 / .</del>		Lease Floyd	Lease Floyd A			3-25	Well Number	
County Location  Greeley NW SW			Section 25		TWP 19S		RNG (E/W) 40W		Acres Attributed			
Field Bradshaw			Reservoi Winfie	d	: ;	Gas Gathering DCP Midst		ering Conne dstream	ection the Angle A	the state of the s		
Completion Date 3/16/04			Plug Bac <b>2906</b>	k Total Dep	oth	,		Packer Set at				
asing Size	10.5			Internal I 4.052	Diameter	Set at <b>2910</b>		Perforations 2836		то <b>53</b>		
ubing Size Weight 4.7			internal I 2.000	Diameter		Set at <b>2783</b>		Perforations				
Type Completion (Describe) Single				Type Flui Water	Type Fluid Production  Water			Pump Unit or Traveling Plunger? Yes / No				
Producing Thru (Annulus / Tubing)				% C	arbon Diox	ide	e % Nitrog		en Gas Gravity - G <sub>g</sub>		avity - G <sub>g</sub>	
Vertical Depth(H)					Pressure Tap Flange			1.		(Meter Run) (Prover) Size		
Pressure Buil	dup:	Shut in	8/4	0/0 at_	9:03	(AM) (PM)	Taken	8/:	520	10 at 9:5	4 (AM)(PM)	
Vell on Line:		Started	2	0 at		. (AM) (PM)	Taken		20	at	(AM) (PM)	
		T			OBSERVE	ED SURFAC				Duration of Shut-	in 24 Hours	
ynamic S	rifice Size ches)	Circle one:  Meter  Prover Pressure  psig (Pm)	Pressure Differential in Inches H <sub>o</sub> 0	Flowing Temperature t	Well Head Temperature t	<b>.</b> [	Pressure  (a) or (P <sub>c</sub> )  psia	Wellhea	d Pressure (P <sub>1</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In .	25		.2			psig	48	psig	psia	24		
Flow								ļ 				
	1				FLOW ST	REAM ATTR	IBUTES				<del></del>	
Plate Coefficeient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Citcle one:  Meter or  over Pressure  psia  Press  Extension  √ P <sub>m</sub> x h		Gravity Factor F <sub>g</sub>		Flowing Temperature Factor F <sub>ft</sub>		ation ctor pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Gravite	
				(OREN EL	OWY (DEL II)	/ERABILITY	O CAL CIII	ATIONS				
°c)² =	:	(P <sub>w</sub> )² =	:	P <sub>d</sub> =			P <sub>c</sub> - 14.4) +		:		r <sup>2</sup> = 0.207 r <sup>2</sup> =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_a)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - P <sub>c</sub> <sup>2</sup> - P <sub>c</sub> <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - P <sub>c</sub> <sup>2</sup> (divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n"		n x l	og [	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
	-		<b>V</b> .		<u> </u>	+			h			
Open Flow Mcfd @ 14.65 psid				65 psia	psia Deliverability			Mcfd @ 14.65 psia				
	-	d authority, on				•	11	o make th	e above repo	rt and that he ha	as knowledge of .	
	···	Witness (if a	ny)		· · · · · · · · · · · · · · · · · · ·			anic	e Rij	Olly Company	RECEIVE	
For Commission					······································	Ch			cked by	OCT 1 4 2		
											KCC WICH	
											NOC WICH	

I declare under penalty of perjury under the laws of the state of Kansas that I a exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operator	
and that the foregoing pressure information and statements contained on this appl	
correct to the best of my knowledge and belief based upon available production sum	maries and lease records
of equipment installation and/or upon type of completion or upon use being made of the I hereby request a one-year exemption from open flow testing for the Floyd A 3-	
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 underg	oing ER
is on vacuum at the present time; KCC approval Docket No	<del></del>
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 docume	nts deemed by Commission
staff as necessary to corroborate this claim for exemption from testing.	
Date:	
Signature: Junice Cipley  Title: Production Assistant	<u></u>

## 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.