RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	it .					(See Instruc	tions on Rev	erse Side	e)				
Open Flow					Test Date:				API	No. 15			
De	eliverabil	ty			5-22	-/3				-20804-00-0	0		
Company Horseshoe Operating, Inc.				Lease Drake							Well Number 3-27		
County Location Greeley NW SW			Section 27				RNG (E/W) 40W		Acres Attributed				
Field			·· <u> </u>	Reservoi			Gas Gathering			ction			
Bradshaw			Winfield					<u>fidstream</u>	1	Land of the Line o			
Completion Date 1/20/05			2832	k Total Dep	th	None							
Casing S 4.5	Casing Size Weight 4.5 10.5				Internal I 4.052	Diameter	Set at 2837		Perforations 2790		To 2806		
Tubing S 2.375	oing Size Weight 875 4.7			Internal Diameter 2.000		Set at 2816		Perforations		То			
Type Cor Single	Type Completion (Describe)				Type Flui Water	n	Pump Unit or Traveling Plu Yes Rod			Plunger? Yes	/ No		
Producing Thru (Annulus / Tubing)			· . · · · · · · · · · · · · · · · · · ·	% Carbon Dioxide				% Nitroge		Gas G	ravity - G		
Annulus	_						7						
Vertical E 2837	Vertical Depth(H) 2837			Pressure Taps Flange				44.		(Meter 2"	Run) (Prover) Si		
Pressure	Buildup	Shut in	5-6	212	0/3 at_		(PM) 1	aken	5-8	22 20/	3 at 7.	58 (AN) (PM	
Well on L	ine:	Started									at	(AM) (PM	
	1 - 5					OBSERVE	D-SURFACE	DATA			Duration of Shut	in 24 H	
Static /	Orifice	ize Prover Pressu		Pressure Differential	Flowing	Well Head	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig paia		Tubing Wellhead Pressure (P _w) or (P _c) or (P _c) psig psia		Duration	Liquid Produced (Barrels)	
Dynamic Property	Size (inches			in innches H _s 0	Temperature t	Temperature t					(Hours)		
Shut-In	1.00			2			parg	61	psig	pala	24		
Flow											•		
-						FLOW STR	EAM ATTRIE	UTES					
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Grav Extension Fact √ P _m x h F ₆		or T	Flowing emperature Factor F ₁₁	ature Factor		Metered Flow ' Pl (Mcfd)	(Cubic F	GOR Flowing (Cubic Feet/ Barrel) Gravity G _m	
								·					
D \2 _		. (D.)			-	- ,	ERABILITY) (CALCUL - 14.4) +) ² = 0.207) ² =	
P _c) ² =		(P _w) ²	Choose	formula 1 or 2:	P _d = .		Backpress			<u>·</u>	V d		
(P _a) ² - (P _a) ²		- "		P _c ² P ₂ LOG of formula		, , , ,		= "n" n x		0G	Antilog	Open Flow Deliverability	
(P _c)²- (P	9)2	-	I	P _c ²-P _d ² by: P _c ²-P _w ²	1. or 2. and divide by:	P _c ² - P _w ²	Assig Standard					Equals R x Anti (Mcfd)	
						*,							
Open Flow Mcfd @ 14.65 psia						Deliverability Mcfd @ 14.65 psia							
	_	•			,			0		above report	and that he ha	as knowledge of	
e racts sta	ated the	ein, and that	said rep	ort is true	and correct.	. Executed t	inis the/_	<u> </u>	day of	J.P.	lon	KCC WI	
	·	Witness	(if any)					7		Force	mpany /		
	 .	For Com	mission						· · · · · · · · · · · · · · · · · · ·	Check	ed by	JUN 20	

exempt status und and that the foregoe correct to the bes of equipment insta I hereby requ	der penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc. going pressure information and statements contained on this application form are true and to fmy knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named. est a one-year exemption from open flow testing for the Drake 3-27 rounds 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 e to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessar	y to corroborate this claim for exemption from testing. /3 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.