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

Type Test:			(Se	e Instruci	lions on Re	verse Side	?)			
Open Flow			Test Date:	. 1				No. 15		
Deliverabilty	,		<u>4-3-/</u>	4			075	5-23-00		
Company Horseshoe Op	erating, Inc.	·			Lease Doyle			20,/52	1	Well Number
County Hamilton	Locatio C SW	n	Section 21	-	TWP 23S		RNG (E/	W) 		Acres Attributed 640
Field Bradshaw			Reservoir Chase					hering Conn Field Ser		
Completion Date 3/12/76				Total Dept	h	Packer Set at		et at		
Casing Size	Weight 10.5		Internal Diameter 4.052		Set at		Perforations 2448		To 2458	
Tubing Size 2.375	Weight 4.7		Internal Diameter 1.995		Set at 2456		Perforations		To .	
Type Completion (Describe) Single - Gas			Type Fluid Production Water				Pump Unit or Traveling Plunger? Yes / No			
Producing Thru (An			% Car	ban Dioxid	de		% Nitroge	en	Gas Gr	avity - G
/ertical Depth(H)	и				sure Taps				(Meter I	Run) (Prover) Size
ressure Buildup:	Shut in	1-2_20	14 at 9	100	(AM) (PM)		4-0	3	14at 9:00	(AM) (PM)
Vell on Line:	Started	20	at		(AM) (PM)	Taken		20	at	(AM) (PM)
,			c	BSERVE	D SURFACE	DATA			Duration of Shut-	In <u>24</u> Hours
Static / Orifice Dynamic Size Property (Inches)	Orifice Meter Dis		In   '   '		wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)
Shut-In .625	psig (Pm)	Inches H <sub>2</sub> 0			psig 46	psta	psig	psla	24	-
Flow				_	/					
			FI FI	LOW STR	EAM ATTR	BUTES				· ,
Plate Coefficeient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd	Circle one: Meter or over Pressure psla	Press Extension  Pmxh	Gravity Factor F	т	Flowing emperature Factor F <sub>II</sub>	Fa	lation ctor pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	l Gravity I
			OPEN FLOW	/) (DELIV	ERABILITY	CALCUL	ATIONS	<del></del>		2 0 007
P <sub>a</sub> ) <sup>2</sup> =:	(P <sub>w</sub> ) <sup>2</sup> =	:	P₀ =	• •		- - 14.4) +		::	(P <sub>a</sub> )	<sup>2</sup> = 0.207 <sup>2</sup> =
$(P_c)^2 - (P_a)^2$ (I)	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	hoose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ wided by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide by:	2- P <sub>2</sub>	Slop Ass	ssure Curve	n x L	.oa [ ]	Antilog	Open Flow Deliverability Equals Я х Antilog (Mcfd)
pen Flow		Mcfd @ 14.6	5 nsia		Deliverab	ility			Mcfd @ 14.65 ps	ia
·										
The undersigne e facts stated there			•			1/2	o make the	pire	rt and that he ha	as knowledge of
	Witness (if a	nny)			_		Jan	For C	company	KCC WICI
	For Commiss	sion			_	<del>-</del>		Che	cked by	JUN 2 0 26

l declare und	ાગુણાઈ der penalty.of perjury under the laws of the state of Kansas that I am authorized to request
exempt status un	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
correct to the bes	t of my 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 Doyle 1
	rounds that said well:
gas well on the gi	ounds that said well.
(Check	one)
·	is a coalbed methane producer
H	is cycled on plunger lift due to water
	is a source of natural gas for injection into an oil reservoir undergoing ER
F	is on vacuum at the present time; KCC approval Docket No
7	is not capable of producing at a daily rate in excess of 250 mcf/D
	·
I further agre	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.
Date: 6-16	-/4
	<del></del>
-	•
٠	Signature: <u>Januce Ripley</u> Title: Production Assistant
	<del></del>
	•

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.