KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:			(See Instru	ctions on Re	verse Side)				
Open Flow	r		Tost Date				ΔĐI	No. 15			
				Test Date: API No. 15 9-9-// 15-075-206050000							
Company Horseshoe C	perating, Inc.				Lease Marie				. 1	Well Number	
County Location Hamilton C-SE			Section 2		TWP 23S			RNG (E/W) 41W		Acres Attributed 320	
Field Bradshaw			Reservoir Winfiel			Gas Gathering Connectio					
Completion Date 10-20-1996				k Total De	oth	ı Pacı		Set at			
Casing Size 4.5	Size Weight 10.5			Diameter	Set at 2616		Perforations 2591		то 2601		
Tubing Size 2.375				Diameter	Set a	Set at		Perforations		То	
Type Completion Single gas	Type Fluit Water	d Production	on	Pump Unit or Traveling Plu				/ No			
Producing Thru (Casing	% C	% Carbon Dioxide			% Nitrog	en .	Gas Gr	Gas Gravity - G			
Vertical Depth(H) 2573		Pressure Taps Flange					(Meter	(Meter Run) (Prover) Size			
Pressure Buildup	: Shut in	9-8 2	0	8:30	(AM) (PM)	Taken	9-	.9 20	11 at 8.3	O (AM)(PM)	
Well on Line:	Started	2	0 at		_ (AM) (PM)	Taken		20	at	(AM) (PM)	
				OBSERV	ED SURFAC	E DATA			Duration of Shut-	in <u>24</u> Hours	
Static / Orific Dynamic Size Property (Inche	Meter Prover Pressure	4	Flowing Well Head Temperature Temperatu		I Waithaari Praggitta		Tubing Wellhead Pressure $(P_w) \propto (P_t) \propto (P_c)$		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In .75	psig (Pm)	Inches H ₂ 0			psig	68 psia	psig	pska	24		
Flow					-						
I ,,				FLOW ST	LEAM ATTR	I	<u> </u>				
Plate Coefficcient (F _b) (F _p) Mcfd	effliecient Meter or Extension F, (F, Prover Pressure Prover Pressure		Gravity Factor F _a		Temperature Fa		viation Metered Flow actor R F _{pv} (Mcfd)		y GOA (Cubic Fe Barrel)	I Gravita I	
P _c) ² =	: (P _w) ² =	······································	(OPEN FLO	OW) (DELI	VERABILITY % (I) CALCUL P _e - 14.4) +		:	(P _a)	² = 0.207	
(P _c) ² · (P _d) ² (P _c) ² · (P _c) ² · (P _w) ² 1. P _c ² · P _c ² (P _c) ³ - (P _d) ³ 2. P _c ² · P _d ² divided by: P _c ² · P _w ²		LOG of formula 1. or 2. and divide p 2. p 2		Backpressure Curve Slope = "n" or Assigned Standard Slope			.oa [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flow		Mcfd @ 14.	65 psia		Deliverat	oility			Mcfd 69 14.65 ps	ia	
	ned authority, on erein, and that said				•	12	o make the	e aboye rend Octob ise k	ort and that he ha	as knowledge of, 20	
	Witness (if e				-		0	Ford	Company cked by	RECENT	
	, d. Gonz(ES									OCT 2 1 2	

KCC WICHITA

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 Marie #1 gas well on the grounds that said well:
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:
Signature: <u>Janice Ripley</u> Title: <u>Production</u> Assistant

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.