KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:			Ċ	(See Instruct	ions on Rev	erse Side)			
Open Flo	Open Flow			Test Date:			API No. 15			
Deliverab	ilty		2-2-1				07	1-20205 - C	×>-0	
Company Horseshoe Operating, Inc.			Lease Ross				Well Number 3			
County Location Greeley C NE/4		Section:				RNG (E/W) 39W		7	Acres Attributed	
Field Bradshaw	haw			r I	· · · · · · · · · · · · · · · · · · ·		Gas Gas DCP M	thering Conne (idstream	ection	
Completion Dat 9-17-80				Plug Back Total Depth 2987			Packer \$	Set at		
Casing Size 4-1/2"			Internal Diameter 4.052		Set at 2999		Perforations 2910'		то 2927'	
Tubing Size 2-3/8"	Weight 4.7		Internal Diameter 1.995		Set at 2825 '		Perforations		То	
Type Completion (Describe) Single - Gas			Type Fluid Production Water				Pump Unit or Traveling Plunger? (Pes) / No Pumping Unit - Rod			
Producing Thru (Annulus / Tubing) Annulus			% Carbon DioxIde			% Nitrog			avity - G _g	
Vertical Depth(F)	•			sure Taps				·	tun) (Prover) Size
Pressure Buildu	p: Shut in	2-/ 20	0/2at	9:00	(PM)	Taken	2-0	220/	12 at 9:0	20 (AM) (PM)
Well on Line:	Started	20) at		(AM) (PM) ⁻	Taken		20	at	(AM) (PM)
				OBSERVE	D SURFACE	DATA			Duration of Shut-i	n <u>24</u> Hours
Oynamic Size Meter Di Property (inches)		Differential in	Flowing Well Head Temperature t t		Casing Wellhead Pressure $(P_w) \text{ or } (P_t) \text{ or } (P_c)$		Tubing Wellhead Pressure (P _w) or (P ₁) or (P ₆)		Duration (Hours)	Liquid Produced (Barrels)
Shut-In .62) Inches H ₂ 0			90 90	psia	psig	psia	24	
Flow	-		·							
·				FLOW STR	EAM ATTRIE	BUTES				
Plate Coefficient (F _b) (F _p) Mcfd	fliecient Meter or Extension (F _p) Prover Pressure		Gravity To		Flowing emperature Factor F _{rt}	Fac	ation ctor	Metered Flow R (Mcfd)	GOR (Cubic Fee Barret)	Flowing Fluid Gravity G _m
			(OPEN EL C	OW) (DELIVE	RABILITY)	CALCUI	ATIONS			
(P _c) ² =	_: (P _w) ² :			%			14.4 =	:	(₽ _•)² (P _d)²	= 0.207 =
(P _c) ² · (P _a) ² or (P _c) ² · (P _d) ²	(P _e) ² - (P _u) ²	Choose formula 1 or 2:		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n" or Assigned Standard Slope		oe [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
							-			
Open Flow		Mcfd @ 14.6	5 psia		Deliverabili		<u> </u>		Acfd @ 14.65 psia	
The undersid	ned authority o	on behalf of the (tates that ho		 	make th			
ne facts stated the					-	//.		april	n	, 20 <u>/2</u> .
•			RE	CEIVED	(and	ice 1	Kipley	1	
	Witness (API	R 1 8 20	12	0		For Co	Imparry	

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 Ross #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 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: 4/16/12							
Signature: Janiel Ripley Title: Production Assistant							
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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.