KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

	pen Flo	N													
Deliverability Test Date: 8/5//0						te: 5//0				No. 15 071-2006 7	7-00-00				
Company Horseshoe Operating, Inc.							Lease Harris					A-1	Well N	umber	
County . Greele	у	Location The C SW The Color of			Section 15		TWP 20S			RNG (E/W) 40W			Attributed		
Field Bradshaw				Reservo Winfie			Gas Gathering Cont DCP Midstream								
Completion Date 11/74				Plug Bad 2841	ck Total De	pth	Packer Set a None								
Casing 8	Size	Weight 9.5				Internal Diameter 4.052			Set at 2852		Perforations 2815		то 2822		
Tubing S 2.375	Size	Weight 4.7				Internal Diameter 1.995			Set at 2839		ations	То	То		
Type Cor Single		(De	escribe)			Type Flu Water	id Production	on		Pump Uni Yes	it or Traveling	Plunger? Yes	/ No		
Producing Thru (Annulus / Tubing) Annulus					% (Carbon Diox	kide)		% Nitrogen		Gas Gravity - G			
Vertical D 2855	Depth(H)					-	Pre	ssure Taps ang E	•				Run) (Pi	rover) Size	
Pressure	Buildup	: 8	Shut in	8/	14 20	10 at _	10:30	(AM) (PM)	Taken	8/5	20 /	10 at /;/	9_(AM) (PM)	
Well on L	ine:		Started		20	at		(AM) (PM)	Taken		20	at	(AM) (PM)	
		Т	·				OBSERVI	ED SURFAC	E DATA			Duration of Shut-	in 2	4_Hours	
Static / Dynamic Property	Orifice Size (inches	e Meter		ure	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature		(P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)				f Produced Barrels)	
Shut-In	.50	0			2			psig	52	psig	psia	24	-		
Flow															
				т-			FLOW ST	REAM ATTR	IBUTES						
Plate Coefficci (F _b) (F Mcfd	ent ,)	Circle one: Meter or Prover Pressure psia		Press Extension P _m xh		Gravity Factor F _g		Temperature Fa		viation Metered Flow R F P (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
				<u> </u>		OPEN FI	OW) (DELLY	/ERABILITY) CAI CIII	ATIONS					
P _c) ² =		:	(P _w) ² =		:	P _d =			, 0,2002 P _e - 14.4) +		:	(P _a): (P _d):	2 = 0.20 2 =)7	
$(P_c)^2 - (F_c)^2 - (F_c$		(P _c) ² - (P _w) ²		Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n" or Assigned Slandard Slope		n x I C	og [Antilog	Ope Deliv Equals	en Flow verability R x Antilog Mcfd)	
•				· ·											
Open Flov	v				Mcfd @ 14.69	5 psia		Deliverab	ility			1cfd @ 14.65 psi			
			, and that s	n be	ehalf of the C	ompany, s		ne is duly au	uthorized to	o make the day of <u>C</u>	aboye report	t and that he ha		edge of o <i>IO</i> CEIVED	
			Witness (-	0		For Co		001	1 4 201	
			For Comm	រាននា01	1						Check		(CC	WICHI:	

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 Harris A-1 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: 101110
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.