KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side)

Type Tes	st:					(See Instruc	ctions on R	everse Sid	de)					
o	pen Flov	v			~ 5									
Deliverabilty				Test Dat	te: / ()		AP! No. 15 075-20704-00-()0							
Company Horseshoe Operating, Inc.					0/0//		Lease Herma				1	Well Number		
County Location Hamilton SE/4				Section 9		TWP 23S		RNG (E/W) 40W			Acres Attribute 160			
Field Bradshaw				Reservo Winfield	ir d				Gas Gathering Connection DCP Midstream					
Completion Date 9/30/99				Plug Bad 2583	ck Total Dep	th		Packer	Set at	· · · · · · · · · · · · · · · · · · ·		-1		
4.5					Internal 4.090	Diameter	Set at 259 5		Perforations 2530		то 2542			
Tubing Size Weight 2.375 4.000				Internal Diameter 2.041		Set at 2547		Perforations 2544		то 254 5				
Single		(Describe)			Type Flu Water	id Production			Pump U Pump	Pump Unit or Traveling Plunger? Ye Pump Unit - Rod		es / No		
Producing Annulus		(Annulus / Τι	ıbing)		% (Carbon Dioxi	de		% Nitro	gen	Gas (Gravity - G _g		
Vertical Depth(H)							Pressure Taps Flange				(Meter Run) (Prover) Size 2"			
Pressure	Buildun	: Shut in _	2	8/5 2	010 at (Takon	81	6 22	10 at 9:0	25 00.		
Well on L		Started		2					,		at	•	•	
		•	/ <u>;</u>				, (,				ut	(AIVI) (F	-101)	
		Circle	one:	Pressure		OBSERVE	D SURFAC		,	Table -	Duration of Shu	it-in <u>4</u>	Hours	
Static / Dynamic Property	Orific Size (inche	Meter Prover Pressure		Differential	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)	Liquid Produ (Barrels)		
Shut-In	.62	5					Poig	74	psig	psia	24			
Flow									<u> </u>					
						FLOW STR	EAM ATTR	RIBUTES	·	·		· · · · · · · · · · · · · · · · · · ·		
Plate Coeffied (F _b) (F Mofd	ient _p)	Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	Extension Fact		Flowing emperature Factor F ₁₁	perature Deviation Factor		Metered Flow R (Mcfd)	GOR (Cubic F Barre	eet/ Flu	uid vity	
					(OPEN EL	OW) (DELIVE	EDARII ITV) CALCIII	ATIONS					
(P _c).² =		: (P _w		:	P _d =	%) GAEGGE P _c - 14.4) +		<u> </u>	(P _a) ² = 0.207) ² =		
(P _c) ² - (F or (P _c) ² - (F		(P _c) ² - (P _w) ²		pose formula 1 or 2: 1. $P_c^2 - P_a^2$ LOG of formula 2. $P_c^2 - P_d^2$ 1. or 2. and divide by:		P _c ² - P _w ²	Backpressure Curve Slope = "n" or Assigned Standard Slope		D X 10G		Antilog	Open Flow Deliverabili Equals R x Ar (Mcfd)	ity	
								•						
Open Flow Mcfd @ 14.65 psia							Deliverability M			lcfd @ 14.65 psia				
				ehalf of the report is true				11	make th	e above repor	rt and that he h	as knowledge o	\sim	
							,		nice	Riple	ly	RECEI		
		Witne	ss (if any	y)			_	0		For C	ompany	OCT 14	2010	
A STATE OF THE STA		For Co	ommissio	on			-			Chec	ked by	KCC WIG		

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to reques 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 Hermann #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	on
Signature: <u>Janice Ripley</u> Title: <u>Production Assistant</u>	

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.