KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	n Flow	•		Test Date	(See Instrud	ctions on Re	overse Side	•	No. 15				
Deliv	verabilty			1126	7//				-20150-00-0	00			
Company Horsesho	e Opera	ating, Inc.		-//		Lease Livings	ton			2	Well Nu	mber	
County Location Hamilton SW/4		Section 8		TWP 23S			W)	· · · · · · · · · · · · · · · · · · ·	Acres A	ttributed			
Field Bradshaw			Reservoi Winfield			, ,,,,,,		hering Conn lidstream					
Completion Date 8/6/76			Plug Bac 2563'	k Total Dep	oth		Packer S						
Casing Siz 4.5"	ng Size Weight 10.5		 	Internal Diameter 4.052		Set at 2592'		Perforations 2552' - 2562'		То		······································	
Tubing Size 2-3/8"			<u> </u>	Internal Diameter 2.000		Set at 2560'		Perforations		То			
Type Completion (Describe) Single - Gas				Type Fluid Production Water			. .	Pump Un Plunge	it or Traveling	Plunger? Yes	Plunger? Yes / No		
Producing Thru (Annulus / Tubing) Tubing				% Carbon Dioxide				% Nitrog		Gas (Gas Gravity - G		
Vertical Depth(H)				Pressure Taps Flange			····	(Meter F 3.5"				over) Size	
Pressure B	uildup:	Shut in	125 2	o // at 4			Taken	7/2	<u>6</u> 20	11 at 6 is		AM) (PM)	
Well on Lin	e:	Started) at		. (AM) (PM)				at		AM) (PM)	
					OBSERVE	ED SURFAC	E DATA			Duration of Shu	_{rt-in} 2	4_Hours	
Static / Orifice Dynamic Size Property (Inches)		Meter Differential		Flowing Well Head Temperature t t		(P _w) or (P _t) or (P _p)		Tubing Weilhead Pressure (P _w) or (P _t) or (P _c)		Duration U		i Produced Sarrels)	
Shut-in .	625	, , , , , , , , , , , , , , , , , , ,	1113135 122			psig	bsia /	psig psla 63.0		24			
Flow	 -							.]					
					FLOW STI	REAM ATTE	IBUTES	·· I		- 			
Plate Coeffiecter (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia Press Extension Press Extension		Gravity Factor F _g		Flowing Temperature Factor F _{II} F _{II} Devia		ctor R		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
				OPEN EL	OWA (DELIV	/ERABILITY	CALCIII	ATIONS					
°,)² =		(P _w) ² =_) CALCUL 2 _a - 14.4) +				$()^2 = 0.20$	07	
$(P_o)^2 - (P_a)^2$ or $(P_o)^2 - (P_d)^2$		P ₀) ² - (P _w) ²	thoose formula 1 or 2: 1. P _c ² - P ₄ ² 2. P _c ² - P _d ² inded by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by:	P. 2 - P. 2	Backpressure 6 Slope = "n		nxl	og [Antilog	Deli Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow Mcfd @ 14.65			1		Deliverat	Deliverability		Mcfd @ 14		4.65 psia			
				Company, s		ie is duly ai	uthorized to	o make the		rt and that he h		edge of	
	·····	1470					Qa	nice		ley	R	ECEIVE	
		Witness (if				_	0		•	ompany		IG 1 1 2	
		For Commis	sion						Chec	ked by			

I declare under penalty of perjury under the laws of the state of Kansas that I	
exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operand that the foregoing pressure information and statements contained on this applicance to the best of my knowledge and belief based upon available production sum of equipment installation and/or upon type of completion or upon use being made of the I hereby request a one-year exemption from open flow testing for the Livingston gas well on the grounds that said well:	rating, Inc. ication form are true and maries and lease records ne gas well herein named.
(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 undergout 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 staff as necessary to corroborate this claim for exemption from testing.	nts deemed by Commission
Date: 8/3///	
Signature:	

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.