## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				(	(See Instruct	ions on Reve	erse Side	)					
Open Flow														
Deliverabilty					7/26	e: //	API No. 15 15-075-20783				$3 - \Omega\Omega\Omega$	)		
Company		Оре	erating, Inc	).	1/00/		Lease Herrmann A				Well Number			
County Hamilto		<del></del>	Location N/2 SW		Section 24			TWP 23S		/W)	Acres Attributed 480			
Field Bradshaw					Reservoi	r	<u> </u>			thering Conn flidstream	ection			
Completion Date 4-4-2002					Plug Back Total Dep 2542			h Pa		Set at		<del></del> -	·	
Casing Size Well 4.5 10.5				t Internal Diameter 4.052			Set at		Perforations 2497		To 2503			
Tubing Size Weigh				ıt				Set at		orations	То	То		
2-3/8 4.7 Type Completion (Describe)					2.000	d Production	2509	Pump Unit or Tra		alt or Transland	Dhianas Van	/ Na	<del></del>	
Single-Gas					Water		Pump U		Unit	nit				
Producing Thru (Annulus / Tubing)					% C	% Carbon Dioxide			% Nitrog	gen .	Gas Gra	avity - G	0	
Vertical D						Pressure Taps Flange						Run) (Pr	over) Size	
Pressure	Bulldı	:מו	Shut in	1/25	20 // at /	2.05	Ó	faken	7/2	36 20	11 at 12:0	5 ,	AM) PM	
Well on Line: Started 20 at (AM) (PM) Taken 20 at									AM) (PM)					
				<del></del>	·	OBSERVE	D SURFACE	DATA			Duration of Shut-i	in A	Hours	
Static / Orific		ice	Citale one:	Pressure	Floreing Wall Head		Casing		Tubing					
Dynamic Si Property (incl		Matar		Differentia in Inches H <sub>a</sub> (	Temperature	Temperature Temperature		(P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		ed Pressure (P <sub>1</sub> ) or (P <sub>2</sub> )	Ouration (Hours)		Liquid Produced (Barrels)	
Shut-In	.62		poig (*,	monds 11g	<u></u>			psig psia 66.9		psta	24			
Flow								······	T					
						FLOW STR	EAM ATTRIE	BUTES .	·					
Plate		Circle one:		Press			Flowing		Deviation Metered Fi		w GOR		Flowing	
Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> )		Meter or Prover Pressure		Extension	Fac	tor 1	emperature Fa		actor Pi		(Cubic Fe	et/	Fluid Gravity	
Mold		psia		✓ P <sub>m</sub> xh	P <sub>m</sub> xh F <sub>0</sub>		F <sub>ii</sub>	F <sub>pv</sub>		(Mcfd)	Barrel)		G <sub>m</sub>	
				, t										
					(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		(P.)	e 0.20	07	
(P <sub>c</sub> )² =		_:_	(P <sub>w</sub> ) <sup>2</sup> =	<u> </u>	P <sub>d</sub> =	9	6 (P	- 14.4) +	14.4 =	:	(P <sub>a</sub> ):		<del></del>	
(P <sub>a</sub> )² - (F	- JB	(P	_)*- (P_)*	Choose formula 1 o.  1. P <sub>2</sub> <sup>2</sup> -P <sub>2</sub> <sup>2</sup>	LOG of		Backpress		,  -	ר ח		Ор	en Flow	
(P <sub>a</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup>				2. Pa-Pa aMonday: Pa-F	2. P <sup>2</sup> P <sup>2</sup> 1. or 2.		Assi	e = "n" or n x ligned urd Slope		rog	Antilog	Equals	Deliverability Equals R x Antilog (Mcfd)	
		_										,		
Open Flow Mcfd @ 14.65 psia					· - · .	Deliverability				Mcfd @ 14.65 psia				
				n behalf of the				2	o make ti day of	Mag	int and that he ha	s knowl	edge of 20 <u>//</u> .	
			Witness (l	any)				0		Fire	Company	RFCF		
			For Comm	ssion			_			Che	cked by		IVEL	

AUG 1 1 2011

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 Hermann A #A:  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 mct/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: 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.