KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:			(See Instru	ictions on Rever	se Side)				
Open Flow Deliverabili			Test Date:			API 1 15-0	No. 15 071-20752	- 0000	
Company			01.10	Lease Sandifer				2	Well Number
County	be Operating, Inc. S/2 SW NE		Section TWP 33 19S			RNG (E/W)		2.	Acres Attributed
Greeley Field Bradshaw			Reservoir Winfield		(Gas Gathering Connection DCP Midstream		tion	
Completion Date 5-15-2002			Plug Back Total Depth			Packer Se	et at		
Casing Size	Weight 10.5		Internal Diameter Set at 4.052 2852			Perforations 2816-28		То	
Tubing Size 2-3/8	Weight 4.7	Weight		nternal Diameter Set at 2.000 2842		Perforations		То	
Type Completion Single-Gas			Type Fluid Production Water			Pump Unit			/ No
	(Annulus / Tubing)		% Carbon Did	oxide	,	% Nitroge	en		avity - G _g
Vertical Depth(H)	<u>u.</u>		Pr A	essure Taps	,			` ~	Run) (Prover) Size
Pressure Buildup	: Shut in 6	-20 20	13 at 7:54	(AM) (PM) Ta	ken	6-2	20 /	13 at 7:5	54 (AM) (PM)
Well on Line:	Started	20	at	(AM) (PM) Ta	ken		20 _	at	(AM) (PM)
			OBSER	VED SURFACE	DATA			Duration of Shut-	in 4 Hours
Dynamic Size	ynamic Size Prover Pressure in		Flowing Well Hear Temperature t	I Wenneart Pro	essure	Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psla		Duration (Hours)	Liquid Produced (Barrels)
Shut-In /.00	2			40				24	
Flow									
			FLOW S	TREAM ATTRIB	UTES				<u> </u>
Plate Coeffiecient (F _b) (F _p) Mcfd	Citcle one: Meter or Prover Pressure psia	Press Extension P _m x h	Gravity Factor F _g	Flowing Temperature Factor F _{tt}	Devia Fac F	tor	Metered Flow R (Mcfd)	GOR (Cubic Fo	Gravity
			(OPEN FLOW) (DEI	N/EDARILITY)	CAL CHILA	ATIONS			2 007
(P _c) ² =	_: (P _w) ² =_	:	(OPEN FLOW) (DEI		- 14.4) +		<u>:</u>	(P _a) ² = 0.207) ² =
$ \begin{array}{c cccc} (P_c)^2 - (P_a)^2 & (P_c)^2 - (P_w)^2 \\ or & (P_c)^2 - (P_g)^2 & \end{array} $		1. P _c ² -P _a ² 2. P _c ² -P _d ²	LOG of formula 1. or 2. and divide by:	Backpress Slope	ure Curve = "n" r			Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
	a	livided by: $P_c^2 - P_w^2$							
Programme and the second									
Open Flow	· · · · · · · · · · · · · · · · · · ·	psia Deliverability			Mcfd @ 14.65 psia				
			Company, states that and correct. Execu		4	o make the	Octob	nt and that he h	as knowledge of , , 20 <u>43</u>
<u></u>	Witness (if	any)				jan	F0)0	Ampany (
	F Cammi				<u>~</u>		Chec	ked by	

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 Sandifer #2						
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.						
10 15 12						
Date:						
Signature: Janice Kipley						
Title: Production 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.

CONSERVATION DIVISION WICHITA, KS