KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				((See Instruct	ions on Ret	rerse Side	e)			
	en Flov eliverabi				Test Date	゚゙゚゙゙゙゙゙゙゙゙゙゙゚゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙				No. 15 071-20756	- DOOD	
Company		perat	ng, Inc.		<u>, </u>	<u> </u>	Lease Ross				· · · · · · · · · · · · · · · · · · ·	Well Number
County Greele	y		Location W/2 W/2		Section 5		TWP 18S		RNG (E/W) 39W			Acres Attributed
Field Bradsh	aw	•				r ld			Gas Gathering Con DCP Midstrea		etion L	
Completion 8-5-200		1		•	Plug Bac 2947	k Total Dept	h _		Packer Se	et at		
Casing Size 4.5			Weight 10.5	Internal D 4.052		Diameter		Set at 2947		Perforations 2909		
Tubing S 2.375	ize		Weight 4.7		Internal 0 2.000	Diameter	Set a 2940		Perfora	ations	То	
Type Con Single ((Descri	be)		Type Flui Water	d Production	l		Pump Uni Yes	t or Traveling I	Plunger? Yes	/ No
Producing Casing	3 Thru	(Annulus	/ Tubing)		% C	Carbon Dioxid	de		% Nitroge	n	Gas Gr	avity - G _g
Vertical D	epth(H))	· · · · · · · · · · · · · · · · · · ·			Press Flang	sure Taps			<u>,</u>	(Meter f	Run) (Prover) Size
Pressure	Buildup	: Shut	in <u>3</u>	-5 ₂	0/3 _{at} _		(AM) (PM)	Taken	3-	0 20/	3_{at} 9.7	15 (AM) (PM)
Well on L	ine:	Start	ed	2) at		(AM) (PM)	Taken		20 _	at	(AM) (PM)
						OBSERVE	D SURFACI		1		Ouration of Shut-	in <u>34</u> Hou
Static / Dynamic Property	Dynamic Size		Circle one: Meter ver Pressure vsig (Pm)	Pressure Differential ire in Inches H ₂ 0	Flowing Temperature ' t	Well Head Temperature t	Casing Welihead Pressure (P _w) or (P ₁) or (P _c) pskg psia		Wellhea	abing of Pressure (P _t) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In	.50)					60				24	
Flow			·			<u> </u>			,		·	
Plate		Circle	one:	Press	Grav	FLOW STR	Flowing		viation	Metered Flow	GOR	Flowing
Coeffieci (F _b) (F _b Mcfd	,)	Mete Prover P ps	ressure	Extension √ P _m x h	Fact	tor T	emperature Factor F _{ft}	F	actor F _{pv}	R (Mcfd)	(Cubic Fe Barrel)	1 Growths
								<u> </u>		•		
(P _c)² =		;	(P _w) ² =	<u> </u>	(OPEN FLO	OW) (DELIVI) CALCUI 2 - 14.4) -		:	-	² = 0.207 ² =
(P _c) ² - (F or (P _c) ² - (F		(P _c)²- ((P_,)2	cose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ ided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2, and divide by:	P.2. P.2	Slo _l	ssure Curv pe = "n" - or signed ard Slope	n x 1	og [Antilog	Open Flow Deliverability Equals R x Antilo (Mcfd)
Open Flow		ned aut	hority on l	Mcfd @ 14.0		states that he	Deliverat		to make the	•	Acfd @ 14.65 ps	as knowledge of
				report is true	·	•		12	day of	Jun	je	,20 13
			Witness (if a	ny)			-		Januc	For de	greety omfany	·
			For Commiss	ion			_	U	··- ··	Check	red by	CC WICH

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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 Ross #5 gas well on the grounds that said well: (Check one) is a coalbed methane producer 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 taff as necessary to corroborate this claim for exemption from testing.	
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 Ross #5 gas well on the grounds that said well: (Check one) is a coalbed methane producer 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 taff as necessary to corroborate this claim for exemption from testing. Signature: Signature: Market Apply	
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taff as necessary to corroborate this claim for exemption from testing. Date: 6-12-13 Signature:	Is not capable of producing at a daily fate in excess of 250 months
Date: 6-12-13 Signature: Janice Ripley	I further agree to supply to the best of my ability any and all supporting documents deemed by Commiss
Signature: Janice Ripley	staff as necessary to corroborate this claim for exemption from testing.
Signature: Janice Ripley	
	Date: 6-12-13
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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, well-head 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.