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

	t:			•	(See Instri	uctions on Rev	erse Side	)			
_	en Flow			Test Date	9:			AP! I	No. 15		
De	eliverabil	ty 		Test Date 7-/8-	12				075-20733	-00-00	
Company Horses		perating, I	nc.			Lease <b>Lois</b>				1	Well Number
County Location Hamilton S/2 NE			Section 10		TWP 22S			RNG (E/W) 40W		Acres Attributed 480	
Field Bradshaw			Reservoi Winfie					ering Conne Ldstream			
Completion Date				Plug Back Total Depth				et at		· · · · · · · · · · · · · · · · · · ·	
10/14/2000 Casing Size Weight			2783 ( Internal	·	Set a		Perforations		To		
4.5			4.052		2793		2747		2755		
Tubing Si 2. <b>375</b>	ubing Size Weight .375 4.70		Internal Diameter 2.000		Set a <b>266</b> 9		Perforations		То		
Type Completion (Describe) Single - Gas				Type Flui Water	Type Fluid Production Water			Pump Unit or Traveling Plunger? Yes / No Pump			/ No
roducing	Thru (	Annulus / Tub	ing)	% C	arbon Dic	xide		% Nitroge	n	Gas G	ravity - G <sub>g</sub>
Hnn Vertical D					Dec	essure Taps				/Motor	Run) (Prover) Size
vertical D	σμιτιτί					lange				<b>3"</b>	Auti) (Frover) Size
Pressure	Buildup	Shut in	7-17	20/2 at_	1:00	(AM) (FM)	Taken	7-18	20.	12 at 1:00	(AM) (PM)
Veli on Li		Started		•							(AM) (PM)
TOIL OIL		Started		20 at		_ (AM) (PM)	Taken	•	20	al	(ANI) (PM)
		<del></del>			OBSERV	ED SURFACE	DATA			Duration of Shut	-in <u>24</u> Hours
Static / Dynamic	Orifice Size	Gitcle on Meter	. , , , , , , , , , , , , , , , , , , ,	Flowing	Well Head	Malibaari k	_	Tubing e Weilhead Pressure		Duration	Liquid Produced
Property	(inches	Prover Pres	***	Temperature t	Temperatu t	(P <sub>w</sub> ) or (P <sub>t</sub>		(P <sub>w</sub> ) or (	(P <sub>c</sub> ) or (P <sub>c</sub> )	(Hours)	(Barrels)
Shut-In	.500	<del></del>	, <u>2-</u>			82	psia	psig	psia	24	
Flow										,	
					FLOW \$1	REAM ATTRI	BUTES		····		
Plate Coeffiecie (F <sub>b</sub> ) (F <sub>p</sub> Mcfd		Circle ons: Meter or Prover Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Grav Fact	or	Townseture		ation ctor	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	( Gravity (
)² =		· (P <sub>w</sub> ) <sup>2</sup>		•	OW) (DELI	VERABILITY)	CALCULA - 14.4) +				g <sup>2</sup> = 0.207
			Choose formula t or 2	L			sure Curve	<del></del>		( d)	
(P <sub>c</sub> ) <sup>2</sup> - (P	·	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup>	LOG of formula 1. or 2.		Slope	e = "n" or	пхС	og	Antilog	Open Flow Deliverability
(P <sub>c</sub> ) <sup>2</sup> - (P	,) <sup>2</sup>		2. $P_c^2 - P_d^2$	and divide	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>		igned rd Slope				Equals R x Antilog (Mcfd)
<del></del>											
pen Flow	<u> </u>		Mcfd @ 14.	65 psia		Deliverabil	litv			Acfd @ 14.65 ps	ia .
The u	ndersign	ed authority,	on behalf of the		tates that			make the		· · · · · · · · · · · · · · · · · · ·	as knowledge of
facts sta	ated the	rein, and that	said report is true	and correct	. Execute	d this the	<b>8</b> 9	tay of	Klow		, 20 /2.
		Witness	(if any)		<del></del>	_		fanis	re Ki	plly	RECEIV

l declare und	er penalty of perjury under the laws of the state of Kansas that I am authorized to request
	der Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	poing pressure information and statements contained on this application form are true and
correct to the bes	of my knowledge and belief based upon available production summaries and lease records
	allation and/or upon type of completion or upon use being made of the gas well herein named.
l hereby requ	est a one-year exemption from open flow testing for the Lois #1
gas well on the gr	ounds 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
<b>✓</b>	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 Commissio
taff as necessary	to corroborate this claim for exemption from testing.
Date: 10-8-/	<u>2</u>
	Signature: Janual Ripley  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.