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

Type Test:  Open F  Delivera				Test Date	,	tions on Rev	orse side	API	No. 15			
Company				)-dd-1	<u> </u>	Lease		15-	071-20741-0	10-00	Well N	umber
Horseshoe C	)pera					Househo	older			2-29		uiii001
county Location Greeley C NE			Section <b>29</b>		TWP 20S		RNG (E/W) 40W			Acres Attributed 640		
Field Bradshaw				Reservoir U. Winfield			Gas Gathering Connection DCP Midstream					
Completion Di 3-20-2001	ate			Plug Bac 2818	k Total Dep	th		Packer S	Set at			
asing Size Weight 5 10.5			Internal Diameter 4.09		Set at 2847		Perforations 2794		To <b>2798</b>	To <b>2798</b>		
ubing Size .375			ht	Internal Diameter 1.995		Set at 2812		Perforations		То		
					Type Fluid Production			Pump Unit or Traveling Plunger? Yes / No Pump Unit - Rod				
roducing Thr		nulus / Tubin	ng)	% 0	arbon Dioxi	de		% Nitrog		Gas G	ravity -	G <sub>g</sub>
ertical Depth	(H)			·		sure Taps	<del></del>	·			Run) (F	Prover) Size
796		Shut in	5-21	o/3at 7	Flan		<del>-</del> .	5-2	2	2" 13 at 7,7	48	
ressure Build Vell on Line:	•		2			$\mathcal{O}$				at		(AM) (PM) (AM) (PM)
<del></del>		<del></del>						···		<u></u>		Hours
/namic Si	Orifice Size (inches)		1	Flowing Temperature t	Well Head Temperature	rature Wellhead Pre		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration of Shut Duration (Hours)	Duration Liqu	
Shut-In		psig (Pm)	Inches H₂0			psig	26	psig	psia	24	-	
Flow												
	<del></del>		<del></del>		FLOW STR	EAM ATTRIE	BUTES			-		
Coefficcient A		Circle one:  Meter or  over Pressure  psia  Press Extension  √ P <sub>m</sub> x h		Gravity Factor F <sub>9</sub>		Flowing Deviat Temperature Factor F <sub>ft</sub>		ctor R		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>
			<u> </u>		DW) (DELIV	ERABILITY)			1		) <sup>2</sup> = 0.2	207
$(P_c)^2 = (P_a)^2$ (P <sub>c</sub>		(P <sub>w</sub> ) <sup>2</sup> =	Choose formula 1 or 2:	l l		% (P <sub>c</sub> - 14.4) +  Backpressure Curve Slope = "n"		14.4 =	: :	(P <sub>d</sub>	Open Flow	
or (P <sub>c</sub> ) <sup>2</sup> · (P <sub>d</sub> ) <sup>2</sup>			2. P <sub>c</sub> <sup>2</sup> · P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> · P <sub>w</sub> <sup>2</sup>	1. or 2. and divide	P <sub>c</sub> <sup>2</sup> -P <sub>#</sub> <sup>2</sup>	Assig Standar		"^-		Antilog	Equals	iverability BR x Antilog (Mcfd)
·				-								
en Flow			Mcfd @ 14.6	E poio	•	Dalivorahili	••••••••••••••••••••••••••••••••••••••			1-51 @ 44 05	<u> </u>	
The unders			n behalf of the	Company, s		_	norized to			lcfd @ 14.65 ps		ledge of
iacis stated 1	nereir	i, and that sa	aid report is true	and correct	. Executed	this the		day of	o R.	illes	K	CC WIC
		Witness (ii	f any)				1	will	Force	mpany		IUN 2 6 2
	The second of the	For Comm	ission	,					Check	ed by		RECEIV

l de	clare 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 t	o the best of my knowledge and belief based upon available production summaries and lease records
of equip	ment installation and/or upon type of completion or upon use being made of the gas well herein named.
l her	reby request a one-year exemption from open flow testing for the Householder 2-29
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
l furt	her agree to supply to the best of my ability any and all supporting documents deemed by Commission
	necessary to corroborate this claim for exemption from testing.
,	
Date: _ 4	0-24-13
	Signature: Janua Rupley  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.