## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side)

iype iest:	_			ι,	Joe Manbe	10713 Off 71040	,,30 0,00,						
Open F				_Test Date					No. 15 - <b>20822-00-00</b>		•		
				-22-	12_	Lease			-20822-00-00		Well Nur	mber	
Company Horseshoe C	Operat	ing, Inc.				Clift B				3-34			
County Location		Section 34		TWP 18S		RNG (E/W) 40W		·	Acres A	ttributed			
Greeley C SE			Reservoir	,	100	<del></del>		hering Connect	ion				
3radshaw				Winfield					idstream	<del>,</del>			
				Plug Back Total Depth 2911				Packer Set at					
Casing Size Weight			Internal D	Set at			rations	То					
4.5	5 11.600			4.000		2914		2881;		2882-2890			
bing Size Weight 4.700			Internal ( 1.995	Diameter	Set at 2897	Set at <b>2897</b>		Perforations		То			
Type Completi	ion (De				d Production				ait or Traveling P	lunger? Yes	/ No		
Single - Ga	S			Water					Pump Unit - Rod  % Nitrogen Gas Gravity - G				
Producing The	ru (Ann	ulus / Tubing	g)	% C	arbon Dioxi	ide		% Nitrog	en	Gas Gr	avity - C	l <sub>o</sub>	
Casing Vertical Depth	(H)				Pres	sure Taps			<del></del>	(Meter	Run) (Pi	rover) Size	
					Flange				2"				
Pressure Build	dup: {	Shut in	5-21 20	1201	11:37	(AM) (PM)	Taken	5-2	2 20/	2 at _//:3	<u>37 , (</u>	AM) (PM)	
Well on Line:			20								~	AM) (PM)	
		June				(7.00) (7.00)						· · · · · ·	
					OBSERVE	D SURFACE	DATA		· · · · · · · · · · · · · · · · · · ·	uration of Shut	<u>-in_∕a∕</u>	4 Hour	
	rifice	Girde one: Meter	Pressure Differential	Flowing	Well Head	erature $(P_w) \propto (P_1) \propto (P_a)$		Į.	lubing ad Pressure	Duration	Uqui	Liquid Produced (Barrels)	
	Size ches)	Prover Pressu psig (Pm)	tre in triches H <sub>n</sub> 0	Temperature t	Temperature t				(P <sub>1</sub> ) or (P <sub>n</sub> )	(Hours)	(€		
Shut-In		parg (r my	III.CIIOS I I <sub>2</sub> O			psig	75	psig	psta	24	1		
						+	10	<u> </u>	<u> </u>		+		
Flow				<del></del>	<u></u>			L					
	т—	Circle one:	1	<u> </u>	FLOW STE	REAM ATTRI	BUTES		· · · · · ·	<del></del>	<del></del>	Flowing	
Plate Coeffieclent		Meter or	Press Extension	Grav Fac	- I	Temperature		eviation Metered Flow Factor R		GOR (Cubic Fe		Fluid	
(F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd	Pro	ver Pressure psia	✓ P_xh	F,		Fector Fn		F <sub>pv</sub> (Mcfd)		Barrel	official t		
	+					<del> </del>	1		<del> </del>				
	l		<u> </u>	(0.050) 51			041.0111	4770110			-		
D 18 —		(D. )2 -		•		/ERABILITY)					) <sup>2</sup> = 0.2 ) <sup>2</sup> =	07	
P <sub>0</sub> )2 =	┯:-	(P <sub>w</sub> ) <sup>2</sup> =	Choose formula 1 or 2:	P <sub>d</sub> =			, - 14.4) + sure Curve	17.7 -	<del></del>	, q,	1		
(P <sub>a</sub> )*- (P <sub>a</sub> )*	(P	' <sub>a</sub> )²- (P_)²	1, Pa-Pa	LOG of formula		Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Dell	Open Flow Deliverability	
$(P_0)^2 - (P_d)^2$			2. Pa-Pa	1. or 2. and divide	P,2. P,2						Equats R x Antilog (Mofd)		
<del></del>	+	<u></u>	divided by: P <sub>0</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	by:	<u></u>	Jillio					+		
	<del>- </del>			-		<del> </del>			<del></del>		╅		
				<u></u>							<u> </u>		
Open Flow Mcfd @ 14.65 psia					<u> </u>	Deliverability			M	Mcfd @ 14.65 psla			
The unde	rsigned	l authority, o	n behalf of the	Company, s	states that h	ne is duly aut	horized to	o make th	ne above report	and that he ha	as know	ledge of	
ne facts stated	i therel:	n, and that se	aid report Is true	and correc	t. Executed	I this the $\mathcal{A}$	2	day of	June			SECE!	
	_*		,	,			$\overline{}$	• –	10:10				
		Witness (I	f any)			<del>-</del>	Jen	uce	For CA	<b>Г</b>		UN 2.5	
						_	<i>V</i>		. 0		<u> </u>	<del>C-MIC</del>	
	· <u></u>	For Comm	ission		-				Checke	o by	1/0	U VVIII.	

exempt status ur	der 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.
	going pressure information and statements contained on this application form are true and
	st of my knowledge and belief based upon available production summaries and lease records
	tallation and/or upon type of completion or upon use being made of the gas well herein named.
	uest a one-year exemption from open flow testing for the Clift B 3-34
gas well on the g	rounds that said well:
(Ched	k one)
	is a coalbed methane producer
F	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
<u> </u>	is not capable of producing at a daily rate in excess of 250 mcf/D
l further agr	ee to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessa	ry to corroborate this claim for exemption from testing.
Date: <u>6-2</u>	3-12
	Signature: <u>Janice Ripley</u> Title: <u>Production Assistant</u>

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.