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

Type Tes	st:						(See Inst	truction	is on Re	verse Sic	ie)					
o	pen Flo	w				T 0					45	UNG 45				
Deliverabilty						Test Date: . 3-9-11					'I No. 15 <b>'1-20805-0</b> 1	0-00				
Compan		Ор	erating, Ir	 1C.					Lease Foster				3-7		Number	
County Greele	y	<u> </u>	Location SW			Section 07		TWP 20S		RNG (E/W)			Acres Attributed			
Field Bradshaw					Reservoir Winfield				Gas Gathering Connection DCP Midstream							
Completion Date 1/11/05				Plug Bac 2889	Plug Back Total Depth					Set at			•			
Casing Size 4.5			Weight 10.5			Internal I 4.052		Set a 2890			orations 05-2819	To 286	To 2864-2870			
Tubing Size			Weig 4.7	jht		Internal I	Diameter			Set at 2871		Perforations		То		
					Type Fluid Production					Pump Unit or Traveling Plunger? Yes / No						
Producing Thru (Annulus / Tubing)				% 0	% Carbon Dioxide				% Nitro	gen	Gas	Gas Gravity - G				
Vertical C 2960	Depth(H	1)				<del></del>	P	'ressure	Taps				(Met	er Run) (i	Prover) Size	
Pressure	Buildu	p:	Shut in	3	-8 <sub>2</sub>	oll at 1	1:45		(PM)	Taken_	3-	.920	// at //	45	(PM)	
Well on L	ine:		Started		2	0 at	· · · · · · · · · · · · · · · · · · ·	(AN	и) (PM)	Taken	<u> </u>	20	at		. (AM) (PM)	
		·					OBSER	WED S	URFACE	E DATA			Duration of Sh	ıut-in	24 Hours	
Static / Dynamic Property	mic Size		Clicle one: Meter Prover Pressure		Pressure Differential In	Flowing Temperature t	Well Hea Temperate	1	Casing Wellhead Pressure $(P_w)$ or $(P_1)$ or $(P_c)$		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liqu	Liquid Produced (Barrels)	
Shut-In	rt-In		psig (Pm)		Inches H <sub>2</sub> 0			psig		psia 51	psig	psia	24	24		
Flow		-					<u> </u>							$\top$		
						<del></del>	FLOW S	TREA	M ATTRI	BUTES	<u> </u>	<del></del>	<del></del>	!		
Plate Coeffictient (F <sub>b</sub> ) (F <sub>p</sub> ) F Mofd		Pro	Claim one;  Meter of  Prover Pressure  psia		Press Grav Extension Fact  Pmxh F		ог	Temp Fa	Femperature Fa		viation Metered Flow actor R F <sub>pv</sub> (Mcfd)		v GC (Cubic Bar	Feet/	Flowing Fiuld Gravity G <sub>m</sub>	
														-		
) <sup>2</sup> =		:	(P_)² =	:	:	(OPEN FLO	OW) (DEL	LIVERA	-	CALCUI		•		P <sub>a</sub> ) <sup>2</sup> = 0.	207	
(P <sub>e</sub> ) <sup>2</sup> - (P or (P <sub>e</sub> ) <sup>2</sup> - (P		(P <sub>z</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 or 2: 1. $P_a^2 - P_a^2$ 2. $P_a^2 - P_a^2$ children by: $P_a^2 - P_a^2$		LOG of formula 1. or 2. and divide p 2. p		Backpress Slope		sure Curve e = "n" or	•	roe	Antilog	De	Open Flow Deliverability Equals R x Antilog (Mcfd)	
pen Flow	v	·			Mcfd @ 14.6	55 psia		D	eliverabi	lity	<u> </u>		Mcfd @ 14.65	psia		
					ehalf of the (					S	day of _		nt and that he	has know	wledge of	
			Witness (						_	-		For	ompany /		RECEIVE	
			For Comm	ission	_				<del></del>			Chec	ked by		UN 102	
														J	NI 1 II 2	

KCC WICHITA

	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	at the foregoing pressure information and statements contained on this application form are true and
	to the best of my knowledge and belief based upon available production summaries and lease records
of equip	oment installation and/or upon type of completion or upon use being made of the gas well herein named.
	ereby request a one-year exemption from open flow testing for the Foster 3-7
gas we	li 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 fu	rther 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.
Date:	6-8-11
	Signature:
	IMO.

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.