KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:			((See Instruct	tions on Rev	erse Side	9)				
Open Flow			4-3-	j4		API No. 15 15-071-20827-00-00						
Company Horseshoe Operating, Inc.				<i>, – ,</i>	Lease Fertig			·	•	1-35	Well Number	
County Location Greeley C SW			Section 35		TWP 19S			(W)		Acres Attributed		
Field Bradshaw					Reservoir Winfield				thering Connec Midstream	tion		
Completion Date 8/5/05				Plug Bac 2868	Plug Back Total Depth 2868			Packer S None	Set at			
Casing S 4.5	Casing Size Weight I.5 10.5			Internal I 4.052	Diameter	Set at 2873		Perforations 2842		To 2858		
Tubing S 2.375	Tubing Size Weight 2.375 4.7			Internal I 2.000	Diameter		Set at Perf 2960		rations	То		
Type Completion (Describe) Single				Type Flui Water	Type Fluid Production Water			Pump Unit or Traveling Plunger? Yes / No Yes Rod			/ No	
Producing Annulus	-	Annulus / Tub	ing)	% (Carbon Dioxi	de		% Nitrog	jen	Gas Gr	avity - G _g	
Vertical Depth(H)					Pressure Taps						Run) (Prover) Size	
2875				1//	Flange 14 8 '00 (AM) (PM) Taken			11. 2	,	2" 4 _{at} 8:0	000	
Pressure				-o u		(AM) (PM)		<u>4-3</u>				
Well on L	ine:	Started		20 at		(AM) (PM) ⁻	Taken		20 _ 	at	(AM) (PM)	
, - , ,	,			, 	OBSERVE	D SURFACE	DATA			uration of Shut-	in 24 Hours	
Static / Orifice Dynamic Size Property (inches)		Meter	Circle one: Pressure Pressure Differential Prover Pressure In Inches H ₂ 0 Pressure Pressure		Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing ad Pressure r (P ₁) or (P _c) psia	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In						hauñ	//3	psig	psia	24		
Flow											<u> </u>	
	-т		<u> </u>		FLOW STR	EAM ATTRI	BUTES		_	1		
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension ✓ P _m xh	Grav Fac F	tor T	Flowing Temperature Factor F _{II}		iation ctor	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Flowing et/ Fluid Gravity G _m	
(P _c) ² =		: (P_)	'= :	(OPEN FLO		ERABILITY)	CALCUL , - 14.4) +			(P _a) ² (P _d) ²	:= 0.207 :=	
(P _e) ² - (I or (P _e) ² - (I	-	(P _c) ² - (P _w) ²	Choose formula 1 or 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _c	LOG of formula 1, or 2, and divide	P.2 - P.2	Backpress Slope 	sure Curve == "n" or	n x l	roe [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
· · ·				<u> </u>	<i></i>	, 		<u> . </u>	_			
						<u> -</u>						
Open Flor	w	<u> </u>	Mcfd @ 14	.65 psia	<u> </u>	Deliverabil	ity		M	ofd @ 14.65 psi	<u> </u>	
			on behalf of the				//		lugu	of allow	, 20 <u>14</u> .	
		Witnes	s (if any)	· · · · · · · · · · · · · · · · · · ·		_	7	W IIA	For Car		ECEIVED DRATION COMMISSIO	
		FarCo	mmission						Checke	dby Alig	0 6 2014	

CONSERVATION DIVISION WICHITA, KS

,	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request testatus 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					
	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 Fertig 1-35					
	Il on the grounds that said well:					
gao no	non the great table that the training of the t					
	(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 fui	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:	8-4-14					
	Signature: Janice 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.