RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:			(See Instruc	tions on Rev	erse Side	;)		•		
Open Flow Deliverability			Test Date	14	,			No. 15 071-2075 5	.		
Company Horseshoe Op	erating, Inc.		<u>,,,,,,,</u>	/-/	Lease Kuttler	 H		-		Well Number	
County Greeley			Section 29		TWP 19S		RNG (E/W) 39W		Acres Attributed		
Field Bradshaw	Reservoir y Winfield				Gas Gathering C DCP::Midstr						
Completion Date 8-5-2002		1	Plug Bac	k Total Dep	th		Packer S	let at			
Casing Size 4.5	Weight 10.5		Internal Diameter 4.052		Set at 2854		Perforations 2817		то 2832 г		
Tubing Size 2.375	Weight 4.7		internal Diameter 2.000		Set at 2837		Perforations		То		
Type Completion (I Single gas	Describe)		Type Flui Water	d Production	n		Pump Un Yes	it or Traveling	Plunger? Yes	/ No	
Producing Thru (Annulus / Tubing) Casing			% C	arbon Dioxi	de	% Nitrogen		en	Gas Gravity - G		
Vertical Depth(H)				Pres Flan	sure Taps			<u> </u>	(Meter	Run) (Prover) Size	
Pressure Buildup:	Shut in	1-2 _20	/4 at_		(ÁM) (PM)	Taken	4.	3 20/	4 at 8,0	00 (AM) (PM)	
Well on Line:	Started							20	at	(AM) (PM)	
				OBSERVE	D SURFACE	DATA	_		Duration of Shut	in_24_Hours	
Static / Orifice Dynamic Size Property (inches)	amic Size Meter Differen		Temperature Temperature		(P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure $(P_{\mathbf{v}})$ or $(P_{\mathbf{t}})$ or $(P_{\mathbf{c}})$ psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In .625		22			psig	75	paig	psia	24		
Flow					<u> </u>		l .		· 		
			T	FLOW STR	EAM ATTRI	BUTES					
Plate Coefficient $(F_b)(F_p)$ P Mcfd	Meter or Prover Pressure psta		Gravity Factor F _g		Flowing Deviation Factor F _{pv}		actor	Metered Flow R (Mcfd)	GOR (Cubic Fo Barre)	Gravite	
			<u> </u>			<u> </u>			,		
(P _e) ² =:	(P _w)²=		(OPEN FLO P _a = 1		ERABILITY) % (P	CALCUL - 14.4) +			(P _a ; (P _d ;	² = 0.207 ² =	
$ \begin{array}{c cccc} (P_c)^2 - (P_a)^2 & (P_c)^2 - (P_w)^2 & Choose to multiple 10 \\ \text{or} & 1. \ P_c^2 - P_a^2 \\ (P_c)^2 - (P_c)^2 & 2. \ P_c^2 - P_d^2 \end{array} $			LOG of formula 1. or 2. and divide D 2 D 2		Backpressure Curv Slope = "n"		e n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
					ļ				_		
Open Flow		Mcfd @ 14.6	5 nsia		Deliverab	ilitv			Mcfd @ 14.65 ps	<u> </u>	
	ed authority, on I			tates that h		- i -	to make th	-			
he facts stated there						15	day of	dpris	inles	, 20 <u>/4</u> .	
	Witness (if a	ny)	·		-		1	Fef C	Many KC	C WICHIT	
9	For Commiss	lan			-			Chec	ked by	PR 1 7 2014	

I declare 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 to the best of my knowledge and belief based upon available production summaries and lease records
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.
hereby request a one-year exemption from open flow testing for the Kuttler H
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
ionor departs of producing at a daily rate in choose of 200 move
I further 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: 4-15-14
Signature: <u>Janiel Ripley</u>
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.

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Mr Ray Sh