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

Type Test:	-		(See	Instructions on Rev	verse Side)	*			
Open Flo	w				•		! .		
Deliverat	oilty		Test Date:	4 .		API No. 15 15-071-20	150 <b>- 0000</b>		
Company Horseshoe	Operating, I	nc.	70,7	Lease Lee			1	Well Number	
County Greeley		ation	Section 27	TWP 17S		RNG (E/W) 40W	i .	Acres Attributed	
Field Bradshaw		P	Reservoir L. Winfield	l; U. Ft. Riley	(	Bas Gathering Co			
Completion Date			Plug Back Total Depth 3023			Packer Set at / .			
Casing Size	Weight 10.5		Internal Diam	eter Set a		Perforations 2923	To 2961	To 2961	
Tubing Size 2.375	Weight <b>4.7</b>		Internal Diameter Set at 1.995 2991			Perforations To		-	
Type Completion	n (Describe)	· · -	Type Fluid Pro Water		Þ	ump Unit or Trave	ling Plunger? Ye	3 / No	
Producing Thru (Annulus / Tubing) Annulus			% Carbo	% Carbon Dioxide			% Nitrogen Gas Gravity - G		
/ertical Depth(F	1)	•	<del></del> -	Pressure Taps			(Mete	r Run) (Prover) Size	
	p: Shut in	4-2 2	0/4 at $8$	00 (AM)(PM)	Taken	4-3	20/4 at 8/	OO (AM)(PM)	
Vell on Line:	Started	2(	O at	(AM) (PM)	Taken	·	20 at	(AM) (PM)	
· · · · · · · · · · · · · · · · · · ·		. ,	ОВ	SERVED SURFACE			Duration of Shu	it-in <u>24</u> Hour	
Static / Orifle Dynamic Size Property (Inches	e Prover Pres	Differential sure In		Il Head Wellhead I (P <sub>w</sub> ) or (P <sub>l</sub>	Pressure	Tubing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_s)$ psig psia		Liquid Produced (Barrels)	
Shut-In 1.2	5	2		parg	58	paig paig	24		
Flow									
			FLO	W STREAM ATTRI	BUTES				
Plate Coeffictient (F <sub>b</sub> ) (F <sub>p</sub> ) Mofd	Cimb ons; Meter or Prover Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Gravity Factor F <sub>a</sub>	Flowing Temperature Factor F <sub>11</sub>	Deviat Facto F <sub>ev</sub>	or B	(Cubic I	Feet/ Fluid	
				<i>y</i>					
P <sub>c</sub> ) <sup>2</sup> =	_: (P <sub>w</sub> )²	<u>.</u>	(OPEN FLOW)	(DELIVERABILITY)	CALCULA - 14.4) + 1			a) <sup>2</sup> = 0.207	
$(P_a)^2 - (P_a)^2$ or $(P_a)^2 - (P_d)^2$	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2:  1. P <sub>2</sub> <sup>2</sup> -P <sub>2</sub> <sup>2</sup> 2. P <sub>2</sub> <sup>2</sup> -P <sub>3</sub> <sup>2</sup>	LOG of formula 1. or 2.	Backpres Slop	sure Curve e = "n" or ligned	n x LOG	Antilog	Open Flow Deliverability Equals R x Antilog	
:	ε	alvided by: $P_c^2 \cdot P_w^2$	byr	Stands	ird Slope		<u> </u>	(Mcfd)	
	-	4 , .				<del> </del>	<del></del>		
pen Flow		Mcfd @ 14.6	55 psia	Deliverabi	lity	<u> </u>	Mcfd @ 14.65 p	sia	
	erein, and that	said report is true		that he is duly au	thorized to	make the above r	<del></del>	<u> </u>	
	Witness	(if any)	e Ar	<u> </u>	$\longrightarrow$	aniel i	Kipley For Configury	KCC WICH	
	For Con	mission					Checked by	RECEIVE	
								・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	

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• •	perjury under the laws of the state of Kansas that I am authorized to request
	R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
and that the foregoing pressur	e information and statements contained on this application form are true and
correct to the best of my knowle	edge 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.
I hereby request a one-year	r exemption from open flow testing for the Lee 1
gas well on the grounds that sa	id well:
(Check one)	
iș a coalbed	methane producer
is cycled on	plunger lift due to water
is a source of	of natural gas for injection into an oil reservoir undergoing ER
is on vacuun	n at the present time; KCC approval Docket No
is not capab	le of producing at a daily rate in excess of 250 mcf/D
	,
I further agree to supply to	the best of my ability any and all supporting documents deemed by Commission
	te this claim for exemption from testing.
	,
Date: 4-15-14	
Date:	_
	·
	•
•	ania Rinker
	Signature: Which was a signature
`	Title: <u>"Froduction"</u> HSSIStant
	• ;

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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