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

Type Test:			(See In	structions on Rev	erse Side)		•	•	
Open Flow			Test Date: 4-3-/4	#.*		API No. 15 🔩			
Deliverabil	ty 		<u>4-3-/4</u>	11 A.	<del></del>	071,20240-0	000 '		
Company Horseshoe Ope	erating, Inc.			Lease Kuttier E		•	1	Well Number	
County Location			Section TWP			G (E/W)		Acres Attributed	
Greeley C NE NE			29 19S Reservoir			39W Gas Gathering Connection			
Bradshaw			, Winfield		DC	DCP Midstream			
Completion Date 7-16-81			Plug Back Total Depth 2885'			Packer Set at			
Casing Size			Internal Diamete			Perforations	To	To	
1.5 Tubing Size	9.5 Size Weight		4.090 Internal Diamete	2932 er Set at		2813' Perforations			
2-3/8 4.7			1.995 2838'			·			
Type Completion (Describe) Single - Gas			Type Fluid Production  Water			Pump Unit or Traveling Plunger? Yes / No Pump Unit - Rod			
Producing Thru (Annulus / Tubing)			% Carbon Dioxide :			% Nitrogen Gas Gravity - G <sub>g</sub>			
Annulus Vertical Depth(H)			·	Pressure Taps	·	. <del></del> _	(Motor	Run) (Prover) Size	
retucai Depui(ii)				Flange			4"		
 Pressure Buildup		4-2 20	14 <sub>at</sub> 8:0		aken	4-32	0/4 at 80	OO (AN) (PM)	
Well on Line:			at				0 at	_(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
<del></del>	Circle one.	: Pressure	OBSE	ERVED SURFACE		Tubing	Duration of Shut	-inHours	
Static / Orifice  Dynamic Size	e Meter	Differential .	Flowing Well H Temperature Temper	rature   Wellhead P	ressure V	Wellhead Pressure Duration		Liquid Produced (Barrels)	
Property (inches	psig (Pm) Inches H <sub>2</sub> 0		t t	(P <sub>w</sub> ) or (P <sub>1</sub> )		P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) osig psia	(HUUIS)	(Barreis)	
Shut-In .75	0			_	65		24		
Flow					.				
			FLOW	STREAM ATTRIE	UTES		<u> </u>		
Plate Coeffiecient	Circle one: Meter or	Press	Gravity	Flowing Temperature	Deviation	Metered Flo	ow GOR	Flowing	
$(F_b)(F_p)$	Meter or Extension Prover Pressure psia		Factor F	Factor	Factor F <sub>p</sub>	R (Mcfd)-	(Cubic Fe Barrel)	Gravity	
Mcfd	- <u>psia</u>	<del>  "</del> -	<del>                                     </del>	F <sub>n</sub>		<del></del> -	-   '	G <sub>m</sub>	
			<u> </u>	<u> </u>	<u> </u>				
P <sub>0</sub> ) <sup>2</sup> =	.: (P)²		(OPEN FLOW) (D	ELIVERABILITY)	CALCULATIO - 14.4) + 14.4		(P <sub>a</sub> ) (P <sub>d</sub> )	) <sup>2</sup> = 0.207	
/ o/		Choose formula 1 or 2:	<u> </u>	Backpress		<del></del>		Open Flow	
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup>	(P <sub>c</sub> )²- (P <sub>w</sub> )²	1. P <sub>c</sub> <sup>2</sup> -P <sub>c</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>c</sub> <sup>2</sup>	LOG of formula 1. or 2.	Stope	_ +	n x LOG	Antilog	Deliverability Equals R x Antilog	
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>		divided by: Pg2 - Pg2	and divide P2-P	Assign Standar				(Mefd)	
-,								<del> </del>	
Dpen Flow		Mcfd @ 14.6	5 nsia	Deliverabili			Mcfd @ 14.65 ps	la	
	maden to the	•		· ·	· ·		<del></del>		
				hat he is duly auth	_	1/10/	oort and that he ha	is knowledge of	
o iacis sialeu (ne	erein, and that s	saru report is true	and correct. Exec	cuted inis the/_	day o		D. 1.	, 20 _/	
<del>.</del>	Witness	(if any)	<del>-</del>			mice !	rply	KCC WIC	
·						. For	r Gempyrdy	ADD	
	For Com	unission				Ch	ecked by	APR 17 2	
and the state of	=				٠		٠	RECEIV	

arepsilon .							
ا 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.							
I hereby request a one-year exemption from open flow testing for the Kuttler E #1							
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							
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							
Date: // / / / / / / / / / / / / / / / / /							
$\epsilon$							
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.

CONTRACTOR OF THE