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

Type Test:	:			(	(See Instruc	tions on Re	verse Side	<del>)</del> )				
Оре	en Flow			Total Date				, V DD	No. 15			
Del	liverabilty			Test Date /-24-	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	4.7 19.19			1-20240 <b>- 004</b>	0		
Company		ating, Inc.		, , , ,		Lease Kuttler l				1	Well Number	
County Greeley		Locat C NE I		Section 29		TWP 19S		RNG (E 39W	(W)		Acres Attributed	
Field Bradshav	w			Reservoi Winfield		1.			thering Connec	ction		
Completio	n Date			Plug Bac 2885'	k Total Dept	th `		Packer S	Set at			
Casing Sit	Casing Size Weight		Internal Diameter 4.090		Set at 2932'		Perforations 2813'		то <b>2820</b> '			
Tubing Siz	ubing Size Weight		Internal Diameter 1.995		Set at 2838'		Perforations		То			
Type Completion (Describe) Single - Gas				Type Fluid Production			Pump Unit or Traveling Plunger? Yes / No Pump Unit - Rod					
_		nnulus / Tubin	g)	% (	Carbon Dioxi	de		% Nitrog	jen	Gas G	ravity - G <sub>o</sub>	
Annulus Vertical De						sure Taps					Run) (Prover) Size	
			1 00	12	Flan			1.1	74 1	<del>4"</del>	.5	
Pressure I	Buildup:	Shut in/	1-23 2	at	7,40	(AM) (PM)	Taken	10	201	3 at 7.7	(AM) (PM)	
Well on Li	ine:	Started	20	0 at		(AM) (PM)	Taken		20 _	at	(AM) (PM)	
					OBSERVE	D SURFAC	E DATA	*.		Ouration of Shut	in <u>24</u> Hours	
Static / Dynamic	Orifice Size	Circle one: Meter	Pressure Differential	Flowing Temperature	Well Head Temperature	Casing Wellhead Pressure		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
Property	(inches)	Prover Press psig (Pm)		t	t	(P <sub>w</sub> ) or (P	psia	psig	psia	(110014)	(panels)	
Shut-In	.750	1					67			24		
Flow							· · · · · · · · · · · · · · · · · · ·					
			T		FLOW STR	EAM ATTR	IBUTES					
Plate Coeffiecie (F <sub>b</sub> ) (F <sub>p</sub> Mcfd	ent ) P	Circle one: Meter or rover Pressure psia	Press Extension Pmxh	Grav Fac F	tor	Flowing Temperature Factor F <sub>H</sub>	Fa	iation ctor pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Crossite	
								·				
(P <sub>o</sub> ) <sup>2</sup> =		(P)² =		•	OW) (DELIV				<b>,</b>	(P <sub>a</sub> ) (P <sub>d</sub> )	$0^2 = 0.207$	
(P <sub>c</sub> ) <sup>2</sup> - (P	2)2	(P <sub>o</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2:	P <sub>d</sub> =		Backpressure Curve Slope = "n"			LOG		Open Flow Deliverability	
or (P <sub>c</sub> ) <sup>2</sup> - (P	)2		2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_d^2$	1. or 2. and divide	P.2 - P.2	As	orsigned ard Slope	-		Antilog	Equals R x Antilog (Mcfd)	
									-			
Open Flow Mcfd @ 14.65				65 psia	5 psia Deliverability			Mcfd @ 14.65 psia				
The u	ındersianı	ed authority o	n behalf of the	Company s	states that h	e is dulv au	uthorized t	o make ti	ne above report	and that he ha	as knowledge of	
	_	•	aid report is true	and correc	t. Executed	this the	3	day of 	April Rip	leis	, 20 13	
		Witness (	if any)		ADD 4	1 2013	1	24	<b>K</b> or Co	mpany ()	., .,	
		For Comm	nission						Check	ed by		
	مندوب به المعرب		الما والمناور والماري المارية المنافعة المنافعة			TION DIVISIO 11TA, KS	N	and the second		hempe var i sakli fili (Miler a		

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to rexempt 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 correct to the best of my knowledge and belief based upon available production summaries and lease recorrect to the best of my knowledge and belief based upon available production summaries and lease recorrect to the best of my knowledge and belief based upon available production summaries and lease recorrect to the best of my knowledge and belief based upon available production summaries and lease recorrect to the best of my ability and all supporting documents deemed by Constaff as necessary to corroborate this claim for exemption from testing.  Date: 4-3-13	quest
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of equipment installation and/or upon type of completion or upon use being made of the gas well herein in 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 Constaff as necessary to corroborate this claim for exemption from testing.	
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Signature:	
Title: Production Assistant ,	
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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.