KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:			(See Instruct	tions on Reve	erse Side)					
	en Flow			Tool Date				ADI	No. 15				
De	ilverabil	у	,	Test Date	<i>]</i>		14		No. 15 - 20231 ~ () (000			
Company		erating, Inc.		010 7		Lease Kuttler B					Well Numb	er	
County Greeley		Locat C SW/	•	Section 33		TWP 19\$		RNG (E/ 39W	W)		Acres Attributed 640		
Field		1		Reservoi				Gas Gat	hering Conne	ction			
Bradsha Completic				Winfield	k Total Dept	h	• • • •	Packer S	lidstream				
5-11-81	on Date			2892'	k lotal bept			1 dener c	701 21				
Casing Size 4-1/2"		Weig 9.5	ht	Internal Diamete 4.090		Set at 2936'		Perforations 2811'		To 2820 '			
Tubing Size		Weig	ht	Internal Diamet				Perforations		То			
2-3/8"	nnlation	4.7 (Describe)		1.995	d Production	2825		Pump Hz	nit or Traveling	Plunger? Vae	/ No		
Single -		(00301100)		Water	• 1 100001101	•		i unip Oi	iii or navoinig	i langeri 163	, ,,,,		
Producing	Thru (Annulus / Tubin	ng)	% C	arbon Dioxi	de		% Nitrog	en	Gas Gr	avity - G		
Vertical D	epth(H)	"…			Press	sure Taps			·	(Meter F	Run) (Prove	er) Size	
Pressure Well on L	·		<i>1-19</i> 2			\mathbf{O}				// at /0;3	$\overline{}$	(PM)	
	1	· · · · · · · · · · · · · · · · · · ·		<u> </u>	ORSERVE	D SURFACE	DATA			Duration of Shut-	in 34	Have	
Static / Dynamic	Orifice Size	Mater Prover Press	Differential	Flowing Temperature	Well Head Temperature	Casin Wellhead P (P_) or (P,)	g ressure	Wellhe	fubling ad Pressure r (P ₁) or (P ₂)	Ouration of Shut- Duration (Hours)	Liquid Pr	Hours uid Produced (Barrels)	
Property Shut-In	(inche	psig (Pm)	Inches H ₂ 0	t	t	psig	psia 94	psig	psia		ļ ,		
Flow	1.00	<u>' </u>					77	<u> </u>	-	24	 		
riow					FLOW STR	EAM ATTRIE	BUTES	<u> </u>	LL		<u> </u>		
Plate Coeffied (F _b) (F Mofd	ient ,)	Circle one: Meter or Prover Pressure psia	Press Extension P_xh	Grav Fac F	tor T	Flowing Temperature Factor F _{tt}	Fa	lation ctor	Metered Flow R (Mcfd)	GOR (Cubic Fe Barret)	et/	Flowing Fluid Gravity G _m	
			<u> </u>	(OPEN E)	OWY (DEFIN	ERABILITY)	CAL CIII	ATIONS				}	
(P _o) ² =		: (P _w) ² =	:	P _d =		•	- 14.4) +		:	(P _a);	e 0.207		
(P _a)*- (I or (P _a)*- (I	•	(P _a) ² - (P _w) ²	Choose formula 1 or 2: 1. P _a ² - P _a ² 2. P _a ² · P _a ² divided by: P _a ² - P _a ²	LOG of formula 1. or 2. and divide	P.2. P.2	Backpress Slope	cure Curve	· · · ·	roe	Antilog	Open Delivers Equals R :	ability x Antilog	
			· · · · · · · · · · · · · · · · · · ·		··-			_					
Open Flow		Mcfd @ 14.65 psia				Deliverability				Mcfd @ 14.65 psia			
			on behalf of the			•	a	day of		t and that he ha	s knowledg	<u></u>	
-		Witness ((il any)				7	anu	For	ompany	RECE	=1VEU	
		For Com	nisekon			-		·	Charl	rad hu	_MAY_'	1 2 20	

	•
	e under penalty of perjury under the laws of the state of Kansas that I am authorized to request us under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	foregoing pressure information and statements contained on this application form are true and
	e best of my knowledge and belief based upon available production summaries and lease records
of equipmer	t installation and/or upon type of completion or upon use being made of the gas well herein named. request a one-year exemption from open flow testing for the Kuttler B #1
	the grounds that said well:
gas well on	ure grounds that said well.
(Check one)
e i	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
	agree to supply to the best of my ability any and all supporting documents deemed by Commissio essary to corroborate this claim for exemption from testing.
Date: <u>5/</u>	9/11
•	
	Signature: Janie 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.