KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:			(Sea	e Instructio	ons on Rev	erse Side)					
Open Flow			Test Date: 4-3-/4	4	.i			lo. 15 20224 - 00 0	0			
Company Horseshoe Operating, Inc.				t <u>.</u>	Lease Kuttler A	<u> </u>		 	1	Well Numbe	r	
County Location Greeley C SE/4			Section 29			TWP 19S		RNG (E/W) 39W		Acres Attributed		
Field . Winfield . , ,			Reservoir Hugoton			-		ering Connection	ction			
Completion Date	Plug Back To 2677'	otal Depth		· · · · · · · · · · · · · · · · · · ·	Packer Se	t at	· · · · · · · · · · · · · · · · · · ·					
Casing Size Weight I-1/2" 9.5		Internal Diameter 4.090		Set at 2899'		Perforations 2822		To 2830 <i>≮</i>				
ubing Size Weight		Internal Diameter 2.000		Set at 2862		Perforations 2833'		То				
Type Completion Single - Gas	Type Fluid P Water	Production			or Traveling	Traveling Plunger? Yes		/ No				
Producing Thru	% Carb	on Dioxide	, ,		% Nitrogen		Gas Gra	Gas Gravity - G				
Vertical Depth(H	()			Pressu	ıre Taps	1,			(Meter F	Run) (Prove	r) Size	
Pressure Buildur	p: Shut in	4-2	0 <u>/4</u> at 8	,00	ÂM) (PM)	Taken	4-	320/	4 at 8,0	00 (AM)	(PM)	
Well on Line: Started		2	at		(AM) (PM) Taken		20		at	(AM)	(AM) (PM)	
· · · · · ·			0	BSERVED	SURFACE		_		Duration of Shut-i	n 24	_ Hours	
Static / Orific Dynamic Size Property (Inche	Meter Prover Pres	Differential in		/ell Head nperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _a)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)		
Shut-In .62		i) Iliciles H ₂ 0				52 52	psig psia		24	24		
Flow					_							
· +			FL	OW STRE	AM ATTRI	BUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd	Circle one: Meter or Prover Pressure psia	Meter or Extension			Temperature F		viation Metered Flow actor R F _{pv} (Mcfd)		GOR (Cubic Fee Barrel)	et/ G	owing Fluid ravity G _m	
						<u> </u> .			<u> </u>			
P _c) ² =	_: (P _*)²	=:	(OPEN FLOW)			CALCUL , - 14.4) +		, :	(P _a)² (P _d)²	= 0.207 =	_	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	(P _c) ² - (P _w) ² Choose formula 1 or 2: 1. P _c ² - P _s ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n" or Assigned Standard Slope				Antilog .	Open Flow Deliverability Equals R x Antilog (Mcfd)		
			<u>.</u>									
Open Flow	<u>.</u>	Mcfd @ 14.	65 psia	<u></u>	Deliverabil	ity	· ·	N	lcfd @ 14.65 psi	<u>a</u>		
		on behalf of the said report is true				15	make the	above report	and that he had	s knowledge	e of 14	
• •	Witness	(if any)	-, <u>-</u> -		_	9	incl	Rig	sley,	(CC N	/ICF	
	For Con	nnission	 			U		Check	ed by	APR 1	7 20	
										REC	FIVE	
											v L	

I declare under penalty of perjury under the laws of the state of Kansas that I am a exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating and that the foregoing pressure information and statements contained on this application correct to the best of my knowledge and belief based upon available production summaries of equipment installation and/or upon type of completion or upon use being made of the gases.	on form are true and es and lease records
I hereby request a one-year exemption from open flow testing for the Kuttler A #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 is on vacuum at the present time; KCC approval Docket No	ER
I further agree to supply to the best of my ability any and all supporting documents d staff as necessary to corroborate this claim for exemption from testing.	eemed by Commission
Date:	
Signature: <u>Januse Ripler</u> Title: <u>Production Assistant</u>	

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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