KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:					(See Instruc	ctions on Rev	erse Side)				
☐ ot	en Flo	W			T 0	_							
Deliverability			Test Dat /-20-			API No. 15 5- 071-20238'X							
Company Horsesh		pera	ting, Inc.		•		Lease Kuttler D				1	Well N	umber
County Greeley			Location C SW/4		Section 20		TWP 19S		RNG (E/W) 39W			Acres Attributed 640	
Field Bradshaw				Reservoi Winfield			Gas Gathering Cor DCP Midstrea			ction			
Completion Date 6-29-81				Plug Bac 2908!	oth	Packer Set at					•		
Casing Size V			Weigh 9.5	t	Diameter	smeter Set at 2932'			Perforations 2830'		то 2938'		
Tubing Size			Weigh	t	4.090 Internal Dia		meter Set at		Perforations		To To		 -
-3/8" ype Con			4.7 escribe)	7.7.1		id Production	2856 on		Pump Un	it or Traveling I	Plunger? Yes	/ No	
ingle -			nulus / Tubinç	1)	Water % 0	Carbon Diox	dde		% Nitroge	ən	Gas G	ravity -	G_
ertical D	Pepth(F	1)				Pres	ssure Taps				(Meter	· Run\ /	Prover) Size
			<u> </u>	 	11 /		·		1 -		· · · · · ·		
ressure		•		1-19						20 /	-		(AM)(PM)
/ell on L	ine:		Started	2	0 at		. (AM) (PM) ⁻	Taken		20 _	at		(AM) (PM)
Statio / Orifice Circle one:			Pressure				Casing		Dura Tubing		ion of Shut-in 4 F		
Static / Orifi Dynamic Siz Property (inch		Meter Prover Pressu		Differential in Inches H _a 0	Flowing Temperature t	Well Head Temperature t	(P_w) or (P_1) or (P_0)		Wellhead Pressure (P _w) or (P ₁) or (P ₀)		Duration (Hours)	Liquid Produced (Barreis)	
Shut-In	101-in .75		parg (r my	1100100			psig		psig	psia	24	 	
Flow		•											
						FLOW STI	REAM ATTRIE	BUTES					
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psla		Press Extension	Grav Fac	tor	Flowing Temperature Factor F _{rt}	ure Eester		Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m
	1		·		407511								<u> </u>
,)² =		_:	(P)2 =_	:	(OPEN FL		/ERABILITY) % (P.	- 14.4) +		:		$()^2 = 0.5$ $()^2 = 0.5$	207
$(P_q)^2 - (P_a)^2$ or $(P_p)^2 - (P_d)^2$		(P _a) ² - (P _u) ²		1. P _c ² · P _s ² 2. P _c ² · P _d ³ Wided by: P _c ² · P _s ⁴	LOG of formula 1. or 2, and divide by:	P.2. P.2	Backpressure Curve Slope = "n" or Assigned Standard Slope		nxL	og []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
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pen Flov				Motel & 44	es sein	,,,, ,	Detter bir	i de a			-t- 6 - 1	<u> </u>	
		ianca	Lauthority on	Mcfd @ 14.	·	statos Ib-4 5	Deliverabili		manta at		cfd , 14.65 ps		4-4- :
				behalf of the				a	day of	May_	and that he h	as knov	vledge of
			140		·····			Qa	nice	Kipl	y_	R	ECEIVE
···			Witness (if				_	<i>V</i> ·		/ For Cor	ub e	M	AY 122
•			For Commi	sion						Checke	d by		

ا ماممام،	
	re under penalty of perjury under the laws of the state of Kansas that I am authorized to request tus under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	e foregoing pressure information and statements contained on this application form are true and
correct to th	ne best of my knowledge and belief based upon available production summaries and lease records
of equipme	nt installation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby	y request a one-year exemption from open flow testing for the Kuttler D #1
jas 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
	15 Hot capable of producing at a daily fate in excess of 250 High
I further	r 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	7/11
raie. <u>- 07</u> . j	
•	
	$\rho \sim \rho^{-1}$
	Signature:
	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.