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

Type Test	t:				(	See Instruc	tions on Reve	erse Side	)			
Op	en Flo	w			Tool Date				ADI	No. 15		
De	liverat	ilty			Test Date /-20-					NO. 15 071-20755	0000	
Company	hoe (	Ope	erating, Inc		<u> </u>	<del>/ ·</del>	Lease Kuttler I	 H				Well Number
County Greele			Locati NE NV	on	Section 29	<del></del>	TWP 19S		RNG (E/	W)		Acres Attributed
Field Bradsh					Reservoir Winfiel			·		hering Conne idstream		
Completic 8-5-200		8			Plug Bac	k Total Dep	th		Packer S	et at		
Casing S 4.5			Weigh 10.5	<del></del>	Internal 0 4.052	Diameter	Set at 2854		Perfo 281	rations 7	To 2832	<del></del>
Tubing Si 2.375	ize .		Weigh	l	Internal 0 2.000	Diameter	Set at 2837			rations	То	. <u>.                                   </u>
Type Con Single		n (De		···		d Productio			Pump Ur Yes	it or Traveling	Plunger? Yes	/ No
	<u></u>	(Anr	nulus / Tubing	<u>,                                      </u>		arbon Diox	ide		% Nitrog	en	Gas Gr	avity - G_
Casing	,	(2.51)				LIDON DIOX	NGC		,		<b>G</b>	
Vertical D	epth(H	1)				Pres Flan	sure Taps				(Meter	Run) (Prover) Size
Pressure	Buildu	p: :	Shut in	1-19 2	0 <u>//</u> at			Taken	1-6	2020	11 at 9:00	(AM)(PM)
Well on L	ine:	;	Started	2	0 at		(AM) (PM)	Taken	<del></del>	20	at	(AM) (PM)
	-					OBSERVE	D SURFACE	DATA	· · · · ·		Duration of Shut-	in_ <u>24</u> Hours
Static / Dynamic	Orlfi	•	Circle one: Mater Proyer Pressu	Pressure Oifferential	Flowing Temperature		Casir Wellhead F (P, ) or (P,	ressure	Wellhe	Rubing ad Pressure r (P <sub>1</sub> ) or (P <sub>2</sub> )	Duration (Hours)	Liquid Produced (Barrels)
Property	(Inch		psig (Pm)	Inches H <sub>2</sub> 0	t	, t	psig	psla	psig	psta		
Shut-In	.6d	5		-				<u>89</u>			24_	
Flow								01220				
51-1	T		Circle one:	•		FLOW ST	REAM ATTRI	BULES			<del>    -</del>	
Plate Coeffiect (F <sub>b</sub> ) (F Mcfd	lent ,)		Meter or ver Pressure psla	Press Extension	Grav Fact	tor	Flowing Temperature Factor Fit	Fe	riation actor	Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)	- Aroutha
(P <sub>c</sub> ) <sup>2</sup> =		:	(P <sub>w</sub> )²=	:	(OPEN FLO		<b>/ERABILITY)</b> % (P.	CALCUL - 14.4) +		:	(P <sub>a</sub> )	p <sup>2</sup> = 0.207
			1	hoose formula 1 or 2	:		T	sure Curve	<del> T</del>	Г	, o	Open Flow
(P <sub>a</sub> ) <sup>2</sup> - (F or (P <sub>a</sub> ) <sup>2</sup> - (F	?,)* ?,)*	(P	a)2 - (P <sub>w</sub> )2	1. P <sub>a</sub> z-P <sub>a</sub> z 2. P <sub>a</sub> z-P <sub>a</sub> z	LOG of formula 1. or 2. and divide	D2 D2	Slop	e = "n" or igned	n x.	LOG	Antilog	Deliverability Equals R x Antilog
	-			Middled by: Pg 2 - Pw		P.2. P.2	Standa	rd Slope		<u> </u>		(Mcfd)
							-					
Open Flov	w			Mcfd @ 14.	65 psia		Deliverabi	lity			Mcfd @ 14.65 ps	la
The L	ındersi	gned	authority, or	behalf of the	Company, s	itates that h	ne is duly aut	lhorized (	o make ti	ne above repo	rt and that he ha	as knowledge of
the facts st	tated ti	nerei	n, and that sa	ld report is true	and correc	t. Executed	I this the	9_	day of _/	May	1.	, 20
			Witness (if	any)			_	<u> </u>	ML	U Kij	Uly.	
					····		_			, , , , , , , , , , , , , , , , , , ,	170	
			For Commi	ssion						Cher	cked by	RECEIVED

MAY 1 2 2011

I 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 H  gas well on the grounds that said well:  (Check one)  is a coalbed methane producer  is cycled on plunger lift due to water
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
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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 Commiss
staff as necessary to corroborate this claim for exemption from testing.
, and a second and a second and a second a secon
Date: <u>5/9///</u>
Date
Signature: <u>Janice Ripley</u> 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.