KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instr	uctions on Re	everse Side)				
	en Flow				Total Date				4.01.6	No de			
De	llverabili	y			Test Date /-20-			15	5- 071-	No. 15 20224 - O	∞		
Company		erating, Inc			•	<u> </u>	Lease Kuttler	A			1	Well Num	ber
County Location Greeley C SE/4			Section 29		TWP 19S	- 1		:/W)		Acres Attributed 640			
Field Winfield					Reservoir Hugoton			Gas Gathering Connection DCP Midstream					
Completion Date			Plug Bac 2677'	k Total D	epth	Packer Set at					•		
Casing Size Weight 4-1/2" 9.5			H. I I	Internal Diamete 4.090		Set at 2899'		Perforations 2822		To 2830			
Tubing Si 2-3/8"	Tubing Size Weight 2-3/8" 4.7				Internal I	Diameter	Set at 2862		Perforations 2833'		То		
Type Con Single -		(Describe)			Type Flui Water	d Produc				t or Traveling	Plunger? Yes	/ No	
Producing	Thru (Annulus / T	ubing)		% C	arbon Di	oxide		% Nitroge	en .	Gas Gi	ravity - G	
Vertical D	epth(H)	-				Pr	essure Taps				(Meter	Run) (Prov	ver) Size
Pressure	Buildup:	Shut in .].	-19 2	0 // at /	0:00	(ÁM) (PM)	Taken	1-20	20	// at /0:0	10 Ki	M)(PM)
Well on L	ine:	Started .		20) at		_ (AM) (PM)	Taken	 · · ·	20	at	(AI	M) (PM)
	,					OBSER	VED SURFAC	E DATA		•	Duration of Shut-	-in_24	Hours
Static / Orific Dynamic Size Property (inches		Meter Prover Pressure		Pressure Differentiat in Inches H ₂ 0	Flowing Temperature t	Well Hea Temperati	Wellhead (P _w) or (I	sing I Pressure P ₁) or (P ₂)	Wellhea (P _a) or (ibing d Pressure (P _t) or (P _a)	Duration (Hours)	,	Produced rrels)
Shut-In	.62		,				psig	psia 61	psig	psla	24	 	
Flow										ł			
						FLOW S	TREAM ATTE	RIBUTES					
Plate Coefficient (F _b) (F _p) McId		Circle one: Meter or Provor Pressure psia		Press Extension P _m xh	ension Fact		tor Temperature		ation ctor	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
						OW) (DEL	IVERABILITY	-)² = 0.207	<u></u>
$(P_o)^2 = \frac{(P_o)^2 - (P_o)^2 - (P_o)^2}{(P_o)^2 - (P_o)^2}$	· (: (P _e)²- (P _e)²		2. P ₂ -P ₃ ded by: P ₆ -P ₂	P _d = LOG of formula 1. or 2. and divide by:	P.2. P.2	Backpre Slo	P _c - 14.4) + essure Curve upe = "n" - or ssigned dard Slope	14.4 = _; n x L0	: og []	(P _d)	Open Delive Equals R	rability x Antilog cfd)
						 .					- <u></u>		
Open Flov	v			Mcfd @ 14.6	35 psia		Deliverat	oility			Vicid @ 14.65 ps	la	
		rein, and th	at said	report is true				a	make the lay of	n above report	and that he ha		// CEIVED
			ess (II en					0			ompany /	MA	Y 1 2 2011
•		For	Commissi	UNI						Chec	ked by	KCC	WICHIT

	ler penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	going pressure information and statements contained on this application form are true and
correct to the bes	t of my knowledge and belief based upon available production summaries and lease records
	allation and/or upon type of completion or upon use being made of the gas well herein named. est a one-year exemption from open flow testing for the Kuttler A #1
	rounds 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.
J	is not capable of producing at a daily rate in excess of 250 mcf/D
I further sare	e to supply to the best of my ability any and all supporting documents deemed by Commissio
_	y to corroborate this claim for exemption from testing.
stati as necessai	y to corroborate this claim for exemption from testing.
nu Glali	
Date: <u>5/9//</u> /	
	$\rho \cdot \rho \cdot 1$
	Signature:

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.