KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:					((See Insti	ructi	ions on Rev	erse Side))					
Ор	en Flo	w			т.	est Date	••				A D1	A1- 4F				
√ Del	liverab	ilty					_" . 121, 201	4				No. 15 332145200	00			
Company Castelli		lora	tion, Inc.			<u>.</u>			Lease Merrill F	Ranch				#1-34	Well Nu	mber
County Coman	che		Locati NW NE			ection 34			TWP 33S		RNG (E/	W)			Acres A	Attributed
Field Ham			- " - " . " . " . " . " . " . " . " . "	-		eservoi lississi					Gas Gat Oneok	nering Conn	ection	1		
Completic 12/07/05		е				ug Bac 938	k Total D	epti	h		Packer S	et at	-	_		
Casing Si 4 1/2"	ize		Weigh 10.5#			ternal I	Diameter	-	Set at 4949		Perfo 487	rations 7		To 4883		
Tubing Si 2 3/8"	Z0		Weigh	t	In	ternal I	Diameter		Set at 4888		Perfo	ations		То		
Type Com Perf Sin			escribe) Gas Well			pe Flui Saltwa	id Produc	tion	1			it or Traveling	Plur	nger? Yes	/ No	····
_		(Anr	nulus / Tubing	9)		% (Carbon Di	oxic	de		% Nitrog	en		Gas Gr	avity - (
Annulus Vertical D		n.							T					19.4 - 1 - 1	D := \ (D	
vertical D	epunt	1)					P1	ress	sure Taps					(Meter	Hun) (P	rover) Size
Pressure	Buildu	p: :	Shut in Jar	uary 21	20_1	4 at_8	:00	_	(AM) (PM)	Taken Ja	nuary 2	2 20	<u>14</u>	at_8:00	·	AM) (PM)
Well on Li	ine:	1	Started	2	20	_ at		_	(AM) (PM)	Taken		20	—	at		AM) (PM)
							OBSER	ΙVΕΙ	D SURFACE	DATA			Dura	ıtion of Shut-	in	Hours
Static / Dynamic	Orifi Siz	8	Circle one: Meter Prover Pressi	Pressure Differential in		owing perature t			Casir Wellhead F (P,,) or (P,	ressure	Wellhe	ubing ad Pressure (P,) or (P _e)		Duration (Hours)		d Produced Barrels)
Property	(inch	es)	psig (Pm)	Inches H ₂ 0	-		t		psig	psia	psig				ļ	· ·
Shut-In				<u> </u>	-				950	964.4		<u> </u>				
Flow					_									 		
	-1		Circle one:	<u> </u>			FLOW S	STR	EAM ATTRI	BUTES						I
Plate Coeffieci (F _b) (F Mcfd	ient p)	Pro	Meter or ver Pressure psia	Press Extension √ P _m x h		Gra Fac F	tor	Т	Flowing emperature Factor F _{II}	Fa	riation actor e pv	Metered Flo R (Mcfd)	*	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
						•										
(P _c)² ≈		:	(P _w) ² =		(0)	PEN FL P _d =		LIVI %	ERABILITY)	CALCUL - 14.4) +				(P _a)	²= 0.2 ²=	07
(P _a)² - (F	D 12)2- (P _w)2	Choose formula 1 of	2:	LOG of		<u> </u>	Backpres	sure Curve	-			, gr		en Flow
or (P _c)²- (F	•	٠,		2. P _c ² -P _d ²		formula 1. or 2. and divide	P _c ² -P _w ²	2	Ass	∋ = "n" or igned	- nxl	.og		Antilog	Equals	iverability G x Antilog (Mcfd)
				divided by: P _c ² - P _c	**	by:			Standa	rd Slope	-					(111010)
				-	+	_										
Open Flor	w			Mcfd @ 14	1.6 5 բ	sia			Deliverabi	lity			Mcfd	@ 14.65 ps	ia	
The u	unders	igned	d authority, o	n behalf of the	o Cor	npany,	states tha	at he	e is duly aut				ort an	d that he ha	ıs know	ledge of
the facts s	tated t	herei	n, and that s	aid report is tru	•		Rece	ive	:d	nd 	day of D	ecember			 1	20 _14
			Witness (if any)		-		_	COMMISSION	1	and s	/(Mr.	Compa	ny		
	_		For Comm				DEC 3	-	_			Che	cked by		<u></u>	
				•		COI	NSERVATI WICHI					J		•		

exempt status und and that the fore correct to the bes of equipment inst	der 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
gas well on the g	rounds that said well:
(Check	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
I further agre	e to supply to the best of my ability any and all supporting documents deemed by Commission
_	e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
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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.