KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				Ć	See Instruct	tions on Re	verse Side)					
□ Ор	en Flov	v			Tool Date				ABI	N- 45				
✓ De	liverabi	lty			Test Date June 16					No. 15 033214750	000			
Company Castelli		ora	tion, Inc.			<u>, </u>	Lease Merrill	Ranch				#1-28	Vell Num	ber
County Coman	che		Locatio NE SE	• •	Section 28		TWP 33S		RNG (E.	(₩)		A	cres Att	ributed
Field Ham					Reservoir Mississ			Gas Gathering Oneok		_	Connection			$\mathbb{C}_{C_{1}}$
Completic 9/26/06		•		_	Plug Bac 5012	k Total Dep	th		Packer 8	Set at			E	
Casing Si 4 1/2"	ize		Weight 10.5#		Internal C	Diameter	Set 501			rations 1-78'		То	- AY	CO MA BOT Z SCENE
Tubing Si 2 3/8"	ze		Weight	Internal E	Diameter		Set at 4972'		Perforations		То		CEIVE	
Type Con Single Z			escribe) & Oil Perf	orations	Type Flui Saltwa	d Production ter/Oil	n		Pump Ui Pump	nit or Traveling ing	Plunger?	Yes /	No	
Producing) Thru	(Anr	ulus / Tubing		% C	arbon Dioxi	de		% Nitrog	jen		Gas Gra	vity - G	
Annulus												/3.5 - / - . - . - .	\ /=	
Vertical D	eptn(H)				Pres	sure Taps					(Meter H	iun) (Pro	ver) Size
Pressure	Buildup	o: :	Shut in June	2 16	0_15_at_8	:00	(AM) (PM)	Taken Ju	ine 17	20	15 at 8	3:00	(A	M) (PM)
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	-	(A	M) (PM)
						OBSERVE	D SURFAC	E DATA		· ,	Duration	of Shut-i	n	Hours
Static / Dynamic Property	ynamic Size		Circle one: Meter Prover Pressui		Flowing Temperature t	Well Head Temperature t	(P _w) or (P ₁) or (P ₀)		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In		•	psig (Pm)	Inches H ₂ 0			psig 825	839.4	psig	psia			-	
Flow			_			_					-			
						FLOW STR	REAM ATTE	RIBUTES						
Coeffiec (F _b) (F	Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or ever Pressure psia	Press Extension ✓ P _m x h	Fac	Gravity		Englor		iation Metered Flow ctor R F (Mcfd)		GOR (Cubic Feet Barrel)		Flowing Fluid Gravity G _m
													}	
(D \2 _			(P _w) ² =_	,	-	OW) (DELIV		/) CALCUL P _e - 14.4) +				(P _a)² (P _d)²	= 0.20	7
$(P_c)^2 = $	-			hoose formula 1 or 2			Backpro	essure Curve	,	 「 ヿ		(' 6/	Оре	n Flow
or` (P _c)²- (I				2, P _c ² -P _d ²	formula 1. or 2. and divide by:	P _c ² - P _w ²	A	or ssigned dard Slope	- n x	LOG	Antii	log 	Equals	erability R x Antilog /icfd)
Open Flo				Mcfd @ 14	65 pela		Delivera	hility			Mcfd @ 1	IA SE poi		
•			1 41 42							h h		· ·		
		-	·	benair of the id report is tru			=		day of _	he above repo anuary	ni and th	ai ne na:		oge or
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			Witness (if	any)					an you	For	Company			
			For Commi	ssion	 · · · · · · · · · · · · · · · · · · 					Che	cked by			

exempt status unde	r penalty of perjury under the laws of the state of Kansas that I am author or Rule K.A.R. 82-3-304 on behalf of the operator <u>Castelli Explora</u>	
	oing pressure information and statements contained on this application for	•
correct to the best o	of my knowledge and belief based upon available production summaries an	d lease records
• •	ation and/or upon type of completion or upon use being made of the gas well at one-year exemption from open flow testing for the Merrill Ranch #1-28	I herein named.
	unds that said well:	
		KCC WICH FEB 0 1 2018 RECEIVED
(Check d	one)	Fire MIC
	is a coalbed methane producer	301 200
	is cycled on plunger lift due to water	RECE!
	is a source of natural gas for injection into an oil reservoir undergoing ER	CIVED
	is on vacuum at the present time; KCC approval Docket No	
\checkmark	is not capable of producing at a daily rate in excess of 250 mcf/D	
_	to supply to the best of my ability any and all supporting documents deemed to corroborate this claim for exemption from testing.	ed by Commission
JAME: Callually A.I.	2010	
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	Signature: (uu	

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 shuf-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.