KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

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Type Test	t:				(See Instruct	tions on Re	verse Side)				
Open Flow				Test Date:				۸DI	No. 15				
✓ Deliverabilty				August 31, 2015					033214910	000			
Company Castelli Exploration, Inc.					Lease Marsh Ranch					#1-8	Well Number #1-8		
County Comanche			Location SW SE		Section 8		TWP 33S		RNG (E/W) 16W		Acres Attributed		outed
Field Ham North					Reservoir Mississi ppi			Gas Gathering Oneok		•	ection		
Completion 3/12/07		te		Plug Back Total Depth 5038'		th	n Packer		Set at		KCC	Villa	
Casing Size 4 1/2"			Weight 10.5		Internal Diameter		Set at 5092'		Perforations 4965		To 4978	KCC FEB (1) RECE	
Tubing Si 2 3/8"			Weight		Internal Diameter		Set at 5033'		Perforations		То	RECE	- 2018 Non
Type Con Single 2			escribe) s Perforati	Type Fluid Production Saltwater					nit or Traveling ng Unit	Plunger? Yes		**ED	
_	_	(Anı	nulus / Tubin	9)	% C	% Carbon Dioxid		e % Ni		en	Gas Gra	avity - G _g	
Annulus Vertical D		47				Pres	sure Taps				(Motor F	Run) (Prove	r) Sizo
70,1104, 2	· • • • • • • • • • • • • • • • • • • •	••				. 100	ouro rapo				(WOLC) I	idily (i Tove	., 0120
Pressure	Buildu	ıp:	Shut in Au	gust 31 ₂	0 15 at 8	:00	(AM) (PM)	Taken_Se	eptembe	er 1 20	15 _{at} 8:00	(AM)	(PM)
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM)) (PM)
						OBSERVE	D SURFAC	E DATA	-		Duration of Shut-	in	Hours
Dynamic Si		ifice Size Ches) Control Ches Ches Ches Ches Control Che		Pressure Differential	Flowing Temperature	Well Head Temperature	I Wellhood Proce		1	Tubing ad Pressure	Duration	Liquid Produced	
				in Inches H ₂ 0	t t		(P _w) or (P ₁) or (P _c)		(P _w) or (P _t) or (P _p)		(Hours)	(Barrels)	
Shut-In							850	864.4	psig	pole			
Flow													
r	- 1			ı		FLOW STR	REAM ATTE	RIBUTES			_	 -	
Plate Coeffiecient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension	Grav Fac F	tor 1	Flowing Temperature Factor F ₁₁		ration actor pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _m
						l							
					(OPEN FL	OW) (DELIV	ERABILITY	() CALCUL	ATIONS		(P.)	2 = 0.207	
(P _o) ² =		_:_	(P _w) ² =	:_	P _d =		% (P _c - 14.4) +	14.4 =	:	(P _a)		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c)²- (P _w)²		1. P _a ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _d ²	LOG of formula 1. or 2. and divide p 2 p 2		Backpressure Curve Slope = "n" or Assigned Standard Slope		laxios		Antilog	Open Delivera Equals R : (Mci	ability x Antilog
Open Flow Mcfd @ 14.65 psia						Deliverability			Mcfd @ 14.65 psia				
		-	•	n behalf of the	, ,		•		o make the	•	rt and that he ha	s knowledo	-
			Witness	if any)				<u> Ju</u>	<u> </u>	For C	Company		
			For Comr	nission						Chec	ked by		

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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 Castelli Exploration , 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 Marsh Ranch #1-8 gas 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. 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 Commission
staff as necessary to corroborate this claim for exemption from testing. Date: January 21, 2016
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.