KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

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Type Test	t:				_	(See Instruc	tions on Re	verse Sic	ie)			•			
= '	en Flo eliverab					Test Date		1			No. 15 332153900	าก				
Company Castelli Exploration, Inc.						T COTUC	February 14, 2014 Lease Merrill Ranch				700000	Well Number				
County Coman			Locat N2 SE		/ NW	Section 33		TWP 33S		RNG (E/	N)			Acres A	ttributed	
Field Ham						Reservoir Mississ				Gas Gatl Oneok		ection	-			
Completion 11/07/08		e			_		k Total Dep	th		Packer S None	et at					
Casing S 4.500	Size		Weigh 10.50			Internal I 4.062	Diameter	Set : 541			ations 0-10 5034-	52	то 5056-7	70	· · ·	
Tubing Si 2,375	ize		Weigh 4.70	nt	-	Internal E 1.995	Diameter	Set : 510		Perfor Ope			То			
Type Completion (Describe) Single Zone Gas Perforations					Type Flui Water	Type Fluid Production Water			Pump Unit or Traveling F Pumping Unit			llunger? Yes / No				
Producing	-	(Anı	nulus / Tubin	g)		% C	% Carbon Dioxide			% Nitrogo	<u> </u>		Gas Gravity - G			
Vertical D		1)			-	. , .	Pres	ssure Taps	 -	·-··		 -	(Meter F	Run) (Pi	over) Size	
Pressure	Buildu	p :	Shut in Fel	oru	ary 14 ₂	14 at 8	:00	(AM) (PM)	Taken_F	ebruary	14 20	14 at	8:00	(AM) (PM)	
Well on Line: Started 2				0 at		. (AM) (PM)	M) Taken		20	at	at (AM)		AM) (PM)			
							OBSERVE	D SURFAC	E DATA			Duratio	n of Shut-	in	Hours	
Static / Dynamic Property	Dynamic Size		Meter Prover Pressur		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (Pw) or (Pt) or (Pc) psig psia		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia			Duration (Hours)		Liquid Produced (Barrels)	
Shut-In								90	104.4	pang	polic					
Flow											<u> </u>	_	<u> </u>			
				1			FLOW ST	REAM ATTE	IBUTES	<u> </u>					ıı	
Plate Coeffiec (F _b) (F Mofd	eient ,	Pro	Circle one: Meter or over Pressure psia		Press Extension P _m x h	Grav Fac F	tor	Flowing Temperature Factor F _{II}		eviation Factor F _{pv}	Metered Flov Fl (Mcfd)	v	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
(P _c)² =		_;	(P,,,)2 =		:	(OPEN FL P _a =		/ERABILITY % (I	•	LATIONS + 14.4 =	:		(P _a);	² = 0.2	07	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _o) ² - (P _w) ²		1. P _c ² - P _b ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²		LOG of formula 1. or 2. and divide p2. p2		Backpressure Curv Slope = "n" or Assigned Standard Slope		e n x 10G		Ai	Antilog		Open Flow Deliverability Equals R x Antitog (Mcfd)	
Open Flo	ow				Mcfd @ 14.	.65 psia		Deliveral	oility			Mcfd @	14.65 psi	ia		
		-	d authority, o					-			e above repo		that he ha			
•			Witness	if any)	KANSA	Recei SCORPORAT	ived ION COMMISS	ON (hu	7 (m.	Company				
			For Com	nissio	n		DEC 3	1 2014			Che	cked by				
						c o	NSERVATION PVICHTA	NDIVISION								

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator
and that the foreg	oing 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 insta	llation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby reque	est a one-year exemption from open flow testing for the Merrill Ranch C3
	ounds that said well:
(Check	·
	is a coalbed methane producer
님	is cycled on plunger lift due to water
片	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 Commissi
_	to corroborate this claim for exemption from testing.
,	,
Date: December 2	22 2014
Date. December 2	-2, 2014
	Received Signature: The Commission
DE	C 3 1 2014 Title: President
	ERVATION DIVISION

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.