Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:				(See Instruc	tions on Rev	verse Side)					
Op	en Flo	w			Total Date		,		A DI	No. 45				
√ De	eliverab	ilty			Test Date June 19	∍: ith, 2013				No. 15 33 2 - 3 00	00			
Company Castelli Exploration, Inc.					Lease Merrill Ranch				21,520	2-4	Well Number 2-4			
County Location Comanche E/2 NW NW NW				Section 4			TWP 34S		W)		Acres Attributed			
Field Ham					Reservoi Mississi				Gas Gat Oneol	hering Conn	ection			
Completion Date 06/04/08				Plug Bac 4990	k Total Dep	oth	Packer Set at		Set at					
Casing Size 4 1/2"			Weigh 105#		Internal I N/A	Internal Diameter 1 N/A		Set at 5095'		Perforations 4914		то 5016		
Tubing Size 2 3/8"			Weight N/A		Internal (N/A	Internal Diameter N/A		Set at 4988'		Perforations			-	
Type Completion (Describe) Single Gas Zone Perforation				Type Flui Saltwa	d Production	on	Pump Unit or Tra Pumping Uni			ing Plunger? Yes / No				
	Producing Thru (Annulus / Tubing) Annulus				% (% Carbon Dioxide			% Nitrogen			Gas Gravity - G		
Vertical C	Depth(H	1)				Pre	ssure Taps				(Meter	Run) (P	rover) Size	
Pressure	Buildu	p:	Shut in Jur	ne 18 2	13 at 8	:00	(AM) (PM)	Taken Ju	ıne 19	20	13 at 8:00		(AM) (PM)	
Well on L	.ine:		Started	2	0 at		. (AM) (PM)	Taken		20	at		(AM) (PM)	
			· · · · · ·			OBSERV	ED SURFACI	E DATA			Duration of Shut	_{-in} _24	Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well H Temperature Temperature t		ature (P_w) or (P_1) or (P_c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	1 '		
Shut-In			paig (FIII)	Iliches H ₂ 0			878	892.4	psig	psia		1	<u> </u>	
Flow											<u> </u>			
						FLOW ST	REAM ATTR	IBUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Gravity Factor F _a		Temperature		oviation Metered F factor R F _{pv} (Mcfd)		v GOR (Cubic Fo Barrel	et/	Flowing Fluid Gravity G _m	
					(OPEN FL	OW) (DELI	/ERABILITY	CALCUL	ATIONS					
(P _c) ² =		_:	(P _*) ² =		P _d =) - 14.4) +		<u> : </u>	(P _a	$0^2 = 0.2$ $0^2 = 0.2$		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	formuta 1. or 2. and divide p 2. p 2		Backpressure Curve Slope = "n" or Assigned Standard Slope		_oc []	Antilog	Antilog Equat		
Open Flo	w			Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd @ 14.65 ps	ia		
		anec	d authority, or	n behalf of the	Company	states that I	he is duly au	thorized to	o make th		rt and that he ha		ledge of	
		_	-	aid report is true	and correc		this the 26		day of				20 13	
			Witness (i	f any)	JAN	0 2 201	4		<u>~_ (</u>	Ford	Company			
			For Comm	ission	RE	CEIVE	:D			Chec	cked by			

exemp and that correct	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Castelli Exploration, Inc. at the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records oment installation and/or upon type of completion or upon use being made of the gas well herein named
l he	ereby request a one-year exemption from open flow testing for the Merrill Ranch #2-4
	ll on the grounds that said well:
l fu	(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 rther agree to supply to the best of my ability any and all supporting documents deemed by Commiss
	necessary to corroborate this claim for exemption from testing.
Date: _	July 26th, 2013
	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.

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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.