KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

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Type Test			OIL		(See Instruc	ions on Rev	erse Side)				
	en Flo eliverat				Test Date August	: 18, 2014				No. 15 85 3 1159	23 , 145	-0000	
Company Castelli Exploration, Inc.			Lease Aike n						#3	Well Number			
County Location Stafford NE NE NE		Section 6				RNG (E/	W)		Acres Attributed				
Field Farmington			Reservoir Howard				Gas Gathering Connecti Lumen Energy		ection				
Completion 1/03/02		te			Plug Bacl 3258'	k Total Dept	h		Packer S	et at			
Casing Size 4 1/2"			Weight		Internal Diameter		Set at 3294'		Perforations 3152		то 3154		
Tubing Size 2 3/8"			Weight		Internal Diameter		Set at 3149'		Perforations 3152		то 3154		
Type Completion (Describe Single Gas Perfed & I				Zone		Type Fluid Production Saltwater				it or Traveling	Plunger? Yes / No		
	g Thru		nulus / Tubing		% C	arbon Dioxi	de		% Nitrog	<u> </u>	Gas Gr	avity - G _g	
Vertical E		H)				Pres	sure Taps				(Meter	Run) (Prover) Size	
Pressure	Buildu	: : : : : : : : : : : : : : : : : :	Auջ	gust 18 2	0_14_at_8:	:00	(AM) (PM)	Taken At	ugust 19) 20	14 _{at} 8:00	(AM) (PM)	
Well on L	.ine:										at		
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in Hours	
Static / Orlfice Dynamic Size Property (inches)		ze	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well He. Temperature Temperat		(P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			poig (i iii)	Inches 11 ₂ 0			144	158.4	psig	psia			
Flow													
			Circle one:			FLOW STE	EAM ATTRI	BUTES			1		
Plate Coefficcient (F _b) (F _p) Mcfd		Pro	Meler or over Pressure psia	Press Extension ✓ P _m x h	Grav Faci F _c	tor	Flowing Temperature Factor F _{It}		lation ctor pv	Metered Flov R (Mcfd)	w GOR (Cubic Fe Barrel)	l Gravitu	
	-			_				<u> </u>					
(P _c) ² =		_:	(P _w) ² =	<u> </u>	OPEN FL		'ERABILITY' % (P)		:	(P _a) (P _d)	² = 0.207	
(P _c) ² - (or (P _c) ² - ((F	P _o)²- (P _w)²	Choose formula 1 or 2 1. P _c ² - P _a ² 2. P _c ² - P _d ²	LOG of formula 1. or 2. and divide	P ₂ . P _w ²	Slop Ass	ssure Curve se = "n" or signed	l n v i	_og	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
				divided by: P _c ² - P _w	by:		Standa	ard Slope	-			(mora)	
Open Flo				Mcfd @ 14.			Deliverab	-		<u> </u>	Mcfd @ 14.65 ps		
				n behalf of the	e and correc	t. Executed	this the 2	3rd	o make the		ort and that he h	as knowledge of, 20 <u>14</u>	
			Witness (if any)		DEC 3	_			For	Company		
			For Comm	nission		NSERVATION WICHITA	- UDIVISION			Che	cked by		

exempt status und and that the foregorrect to the best	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator Castelli Exploration, Inc. Joing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named.
· ·	est a one-year exemption from open flow testing for the Aiken #3
	ounds 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
I further earn	
	e to supply to the best of my ability any and all supporting documents deemed by Commissiony to corroborate this claim for exemption from testing.
nun us nesseun	to concedit and claim for exemption from testing.
Date: October 23	, 2014
	Received Signature: EC 3 1 2014 Title: President

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.