KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(-	See Instruc	tions on Rev	erse Side)					
Open Flow				Test Date	Test Date: API No. 15									
✓ Deliverabilty					April 11, 2015				175208970	0000				
Company Castelli Exploration, Inc.				•	Lease Wickman				<u> </u>	#1-5	Well Number #1-5			
County Location Seward SW SW SE				Section 5		TWP 32S		RNG (E/W) 31W			Acres Attributed			
Field Plains West				Reservoir Morrow			Gas Gathering Superior Pip							
Completion Date 2/01/86				Plug Bac	k Total Dep	th	Packer Set		Set at					
Casing Size Weight 4 1/2" 10.5#			Internal D	Internal Diameter		Set at 5947'		rations 8'-90	то 5545'	то 5545'-51'				
Tubing Size Weight 2 3/8"				Internal D	Diameter	Set at 5403'		Perfo	rations	То	То			
Type Con Single (Type Fluid Saltwa	d Production			Pump Ui	nit or Traveling	Plunger? Yes	/ No		
			ulus / Tubing)		arbon Diox	ide		% Nitrog		Gas G	ravity - 0	ag g	
Annulus														
Vertical D	epth(H)				Pres	sure Taps				(Meter	Run) (Pi	rover) Size	
Pressure	Buildur	o: :	Shut in Apri	l 11 2	0_15 _{at_8}	:00	(AM) (PM)	Taken A	pril 12	20	15 at 8:00	(AM) (PM)	
Well on L	ine:	,	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
·						OBSERVE	D SURFACE	DATA	ī		Duration of Shut	-in	Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressur		Flowing Temperature t	Well Head Temperature t	(P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration Li (Hours)		d Produced Barrels)	
Shut-In			psig (Pm)	Inches H₂0			170	184.4	psig	psia				
Flow														
Г						FLOW STE	REAM ATTRI	BUTES						
Plate Coefficcient (F _b) (F _p) Mofd		Pro	Circle one: Meter or ever Pressure psìa	Press Extension ✓ P _m x h	Grav Fac F	tor	Temperature Fa		riation actor = pv	Metered Flov R (Mcfd)	w GOR (Cubic F Barre	eet/	Flowing Fluid Gravity G _m	
					· •		/ERABILITY)) ² = 0.2	07	
$(P_c)^2 = $		<u>-:</u>	(P _w) ² =_	Choose formula 1 or 2	P _d =			_c - 14.4) +		 :	(P _e) ² =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _o)² - (P _w)²		 P_c² - P_a² P_c² - P_d² 	LOG of formula 1, or 2, and divide	P _c ² - P _w ²	Backpressure Curv Slope = "n" or Assigned Standard Slope		- n x	og	Antilog	Del Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
	<u> </u>			fivided by: P _c ² - P _w	,2 by:	<u> </u>	Starius	otope					•	
				. ,										
Open Flo	w			Mcfd @ 14	.65 psia		Deliverab	ility			Mcfd @ 14.65 p	sia		
The	undersi	igne	d authority, or	behalf of the	Company,	states that i	ne is duly au				ort and that he h	as know	ledge of	
the facts s	stated ti	here	in, and that sa	id report is tru	e and correct	et. Executed	this the $\frac{21}{100}$	lst A	day of	lanuary	 		₂₀ <u>16</u> .	
			Witness (il	any)		ECD I	1 2016	*/16	m)) (aut	Company	-		
			En. 0	ionian			_			^ L.	inhad hy			
			For Comm	SSION		REC	EN/ED			Che	icked by			

	er penalty of perjury uncer the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Castelli Exploration, Inc.								
	going pressure information and statements contained on this application form are true and								
correct to the bes	t of my knowledge and belief based upon available production summaries and lease records								
, ,	allation and/or upon type ⊃f completion or upon use being made of the gas well herein named. est a one-year exemptior from open flow testing for the Wickman #1-5								
	rounds that said well:								
(Check	cone)								
·	is a coalbed methane producer								
<u>\</u>	✓ 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								
_	e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.								
Date: January 2°	l <u>, 2016</u>								
	C WICHITA Signature:(az								
	EB 0 1 2016 Title: President								

Instructions:

If a gas well meets one of the digibility 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 curren calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buil•up 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.