KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Instruc	tions on Re	verse Side)					
Open Flow					Toot Date:				451					
✓ Deliverabilty					Test Date: February 12, 2014			API No. 15 15047214170000						
Company Castelli Exploration, Inc.					Lease Dutton						Well Number #1			
County Location Edwards NE SW NW				Section 1				RNG (E/W) 16W			Acres Attributed			
Field Wil					Reservoir Miss & Kinderhook			Gas Gathering Connection Lumen Energy						
Completion Date 3/28/97				Plug Bac 4288'	k Total Depl	th		Packer S	et at					
Casing Size Weight 5 1/2" 15.5#			Internal [Diameter		Set at 4337'		Perforations 3932-40 4220-26		то 4230-36				
Tubing Si 2 3/8"	ubing Size Weight			Internal E 8rd	Diameter		Set at 4276'		Perforations		То			
Type Completion (Describe) Commingles Gas Zone Perforations					Type Fluid Production Saltwater			Pump Unit or Traveling Plunger? Yes / No Pumping Unit						
Producing Thru (Annulus / Tubing) Annulus				% C	% Carbon Dioxide				% Nitrogen Gas Gravity - G _g					
Vertical D	epth(H	1)				Pres	sure Taps				(Meter	Run) (F	Prover) Size	
Pressure	Buildu	p: :	Shut in Feb	ruary 12 2	0_14_at_8	:00	(AM) (PM)	Taken. Fe	ebruary	13 20	14 at 8:00		(AM) (PM)	
Well on Li	ine:	;	Started	2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)	
						OBSERVE	D SURFAC				Duration of Shut	-in	Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Hea Temperature t		I Wollhood Proceuro		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration (Hours)		id Produced (Barrels)	
Shut-In			paig (carry	2			148	162.4	psig	psia				
Flow											_ .			
	 1			_	 	FLOW STE	REAM ATTR	IBUTES					1	
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	Extension Fact		Flowing Temperature Factor F _{t1}	nperature Factor F		Metered Flow R (Mcfd)	GOR (Cubic F Barre	eet/	Flowing Fluid Gravity G _m	
(P _c)² ⇔			(P _w) ² =		(OPEN FL	OW) (DELIV		') CALCUL P _c - 14.4) +) ² = 0.2	207	
(P _c) ² - (P _a) ²		(P _c) ² - (P _w) ²		Choose formula 1 or 2 1. Pc2 - Pg2 2. Pg2 - Pg2	LOG of formula		Backpressure Curve Slope = "n" or Assigned				Antilog	De	Open Flow Deliverability Equals R x Antilog	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	d'			divided by: $P_c^2 - P_w$	and divide by:	P _c ² -P _w ²		fard Slope					(Mcfd)	
						<u> </u>							<u>-</u>	
Open Flo	w			Mcfd @ 14	.65 psia		Delivera	bility			Mcfd @ 14.65 p	sia		
The	unders	igne	d authority, o	n behalf of the	Company,	states that I	ne is duly a	uthorized t	o make th	e above repo	rt and that he h	nas kno	wledge of	
the facts s	tated t	herei	in, and that sa	aid report is tru	e and correc	ct. Executed	d this the $\frac{2}{}$	3rd	day of O	ctober	.	·	20 14 .	
			Witness (f any)	KANSAS	Receive CORPORATION	ved ON COMMISSIO	<u> </u>	n ()	/ Class	Company		<u>.</u> .	
			For Comm	nission		DEC 3 1	2014			Chec	cked by			

CONSERVATION DIVISION. WICHITA, KS

exempt status und and that the foreg correct to the best	er penalty of perjury under 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 tof 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.
I hereby requ	est a one-year exemption from open flow testing for the#1
gas well on the gr	ounds that said well:
staff as necessar	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 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: October 23	<u>5, 2014</u>
	Received Signature: Signature: DEC 3 1 2014 CONSERVATION DIVISION WICHITA, KS

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.