KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	. Flow			(See Instruct	ions on Re	verse Side)			
☐ Open Flow Deliverability				Test Date: February 20th, 2013				API No. 15 15033201980000			
Company Castelli Exploration, Inc.				Lease , Merrill						#4	Well Number
County Location Comanche C E2 W2 SW			Section TWI 23 33				RNG (E	/W)	,	Acres Attributed	
Field Ham			Reservoir Miss	<u>-</u>		Gas Gathering Co		. •	ection		
Completion Date 7/19/76			Plug Bac	th .		Packer					
Casing Size Weight 4 1/2"			Internal Diameter		Set at 4970		Perforations 4897		то 5012		
Tubing Size Weight 2 3/8"			Internal Diameter			Set at 4907		orations	То		
Type Completion (Describe) Single Zone Gas Perforations			Type Fluid Production Saltwater			Pump Unit or Traveling Plunger? Pumping			Plunger? Yes	/ No	
Producing 3	Producing Thru (Annulus / Tubing)				% Carbon Dioxide			% Nitrog	gen	Gas Gravity - G _g	
Vertical Dep	pth(H)	·			Pres	sure Taps		<u></u>		(M eter F	Run) (Prover) Size
Pressure Bu	uildup:	Shut in Feb	ruary 19 ₂	0 13 at 8	:00	(AM) (PM)	Taken_F	ebruary	20 20	13 _{at} 8:00	(AM) (PM)
Well on Line	e :	Started	20	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
					OBSERVE	D SURFAC	E DATA			Duration of Shut-	n Hours
Static / Dynamic Property (nic Size Prover F		Pressure Differential re in Inches H ₂ 0	Differential Temperature		Well Head Temperature t Cas Wellhead (P _w) or (F		Pressure Wellhead Pressure		Duration Liquid Produce (Hours) (Barrels)	
Shut-In						530	544.4	parg	рзіа		
Flow					ELOW STD	EAM ATTO	IBUTES				
Plate		Circle oné:	Press	Grav		Flowing		istian	Metered Flow	v GOR	Flowing
Coeffiecien (F _b) (F _p) Mcfd		Meter or Extens Prover Pressure psia		Factor		Factor F _{f1}	Fa	Pactor F _{pv} ((Cubic Fee	Fluid Gravity G _m
(P _c) ² =		(P _w) ² =	•	(OPEN FLO	OW) (DELIV) CALCUL ್ಡ - 14.4) +			(P _a) ² (P _a) ²	= 0.207
(P _c) ² - (P _e) or (P _c) ² - (P _d)		(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. $P_c^2 \cdot P_a^2$ 2. $P_c^2 - P_d^2$	LOG of formula 1. or 2. and divide	P _c ² - P _x ²	Backpres Slop		n x	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
			divided by: $P_c^2 - P_w^2$	by:		Stano	ard Stope				(Moley
						:					
Open Flow			Mcfd @ 14.6	65 psia Deliverab			ility	Mcfd @ 14.65 psia			
		ed authority, or ein, and that sa				1				rt and that he has	s knowledge of, 20 <u>13</u> .
		Wilman ***	anul	KCC	<u>WIC</u> H	ITA	1	Zn.,	D Car		
		Witness (if		JAN	0 2 201	4 _		نم 		ked by	

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exemporand that correct of equip	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request at status under Rule K.A.R. 82-3-304 on behalf of the operator <u>Castelli Exploration</u> , <u>Inc.</u> 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 pment installation and/or upon type of completion or upon use being made of the gas well herein named. ereby request a one-year exemption from open flow testing for the <u>Merrill #4</u>
gas we	ell on the grounds that said well:
	(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
l fu	urther agree to supply to the best of my ability any and all supporting documents deemed by Commission
	s necessary to corroborate this claim for exemption from testing.
	·
Date: s	July 26th, 2013
Date	
	Signature: Thu Cart
	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.

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