Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:				(-	See Instruct	tions on Re	verse Side)				
Op	en Flo	w			T4 D-4-				• •	N= 45			
√ De	liverab	ilty			Test Date May 15t					No. 15)3321160(0000		
Company Castelli Exploration, Inc.					•	Lease Merrill Ranch				#1-2 ⁻	Well Number #1-21		
County Coman	che		Location SW N	-	Section 21		TWP 33S		RNG (E/	W)		Acres	Attributed
Field Ham					Reservoir Mississ				Gas Gati Oneok	hering Conn	ection		
Completic 04/08/0		е			Plug Bac 4990'	k Total Dep	th		Packer S	et at			
Casing S 4 1/2"	ize		Weight Internal Diameter Set at 10.5# 5030'				rations 3'-81'	то 4952'	то 4952'-56				
Tubing Size Weight 2 3/8"				Internal D	Diameter	Set at 4975'		Perfo	rations	То	То		
Type Con Single 2			escribe) s Perforatio	ons	Type Flui Saltwa	d Production	n		Pump Un Pumpi	it or Traveling	Plunger? Yes	/ No	
		(Anı	nulus / Tubing)	% C	arbon Dioxi	ide		% Nitrog	en	Gas G	ravity -	G _g
Annulus											45.0		
Vertical D	epth(F	1)				Pres	sure Taps				(Meter	Ruл) (F	rover) Size
Pressure	Buildu	•									13 at 8:00		(AM) (PM)
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)
						OBSERVE	D SURFACI	E DATA		-	Duration of Shut	-in	Hours
Static /	Orifi	ce	Circle one: Meter	Pressure Differential	Flowing	Well Head	Cas	_		ubing	Duration	Limu	id Oradusad
Oynamic Property	Siz (inch		Prover Pressu		Temperature t	Temperature	vertice $(P_w) \circ (P_t) \circ (P_c)$ Wellhead Pressure $(P_w) \circ (P_t) \circ (P_c)$ $(P_w) \circ (P_t) \circ (P_c)$ (House		(Hours)	Liquid Produced (Barrels)			
rioperty	(IIICII	<i>03)</i>	psig (Pm)	Inches H ₂ 0	<u> </u>		psig	psia	psig	psia		 	
Shut-In							860	874.4					
Flow													
						FLOW STR	REAM ATTR	BUTES	1		+		 1
Plate Coeffiect (F _b) (F Mcfd	ient		Circle one: Meter or ver Pressure psia	Press Extension P _m xh	Grav Fact F _g	or	Flowing Temperature Factor F _{fi}	Fa	iation ctor pv	Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
(P _c) ² =		:	(P _w) ² =_	:	(OPEN FLO	, ,	'ERABILITY' % (F	CALCUL		:	(P _a)) ² = 0.2	207
				Choose formula 1 or 2	:			ssure Curve		Г 7	, 6,	I	pen Flow
(P _c) ² - (P _a) ² or		(P _o) ² - (P _w) ²		1. P _c ² -P _n ²	LOG of formula		Slope = "n"		0.4106		Antilog	Dei	iverability
(P _c) ² - (F	² _d)²			2. P _c ² -P _d ² livided by: P _c ² -P _w ²	1. or 2. and divide by:	P _c ² -P _w ²		signed ard Slope				1 7	s R x Antilog (Mcfd)
				·			-					<u> </u>	
Open Flov	w		,	Mcfd @ 14.	65 psia		Deliverab	ility	•		Mcfd @ 14.65 ps	ia	
The u	undersi	gned	d authority, on	behalf of the	Company, s	tates that h	e is duly au	thorized to	make th	e above repo	rt and that he ha	as know	ledge of
the facts si	tated th	nerei	n, and that sa	id report is true			this the 26	Sth	day of	uly		,	20 13
			Witness (if	any)			_	1	h) (q	Company		
			For Commi		J.	AN 02	ZU14 -			Char	Skad by		
			FOI COMMI	voi011		RECE	IVED			Unex	cked by		

	under penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator Castelli Exploration, Inc.
and that the	foregoing pressure information and statements contained on this application form are true and
correct to the	best of my knowledge and belief based upon available production summaries and lease records
	installation and/or upon type of completion or upon use being made of the gas well herein named. request a one-year exemption from open flow testing for the Merrill Ranch #1-21
	ne grounds that said well:
(C	heck 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 further a	agree to supply to the best of my ability any and all supporting documents deemed by Commissic
staff as nece	ssary to corroborate this claim for exemption from testing.
Date: July 26	5th, 2013
	Signature: The Canal
	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.

KCC WICHITA JAN 02 2014 RECENTED