## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:					(	See Instruct	ions on Re	verse Side	9)					
Op	en Flov	٧													
<b>√</b> Del	iverabi	lty				Test Date Sentemi	: ber 25, 201	15		API N 1503	lo. 15 3 <b>2 149</b> #000	0			
Company Castelli Exploration, Inc.				Lease Merrill Ranch			21,520			Well Number					
County	•	0.0	Locati E/2 NW		 W NW	Section 4		TWP 34S		RNG (EM	/)			Acres A	ttributed
Field Ham						Reservoir Mississi				Gas Gathe	ering Conne	ction ,		les.	
Completic 06/04/08		3					C Total Dept	h		Packer Se	tat }			rc-C	MICHI
Casing Si 4 1/2"	asing Size Weight 1/2" 105#				Internal E N/A	Diameter	Set at 5095'		Perforations 4914		Ti 5	016	28 (	WICH! 1 2016 EIVED	
Tubing Si 2 3/8"	Z0		Weigh N/A	t		Internal D	iameter	Set 498		Perfora	tions	T	o	TEC.	EIVED
Type Completion (Describe) Single Gas Zone Perforation				Type Fluid Production Saltwater				Pump Unit or Traveling Plunger? Ye Pumping Unit			Yes	/ No			
Producing Thru (Annulus / Tubing)						% Carbon Dioxide			, _			as Gr	Gravity - G <sub>g</sub>		
Annulus Vertical D		· -					Drope	sure Taps				/1	Antor I	Dun\ /De	over) Size
vertical D	ерица	)					Pres	sure raps				(r	vieter i	run) (Pi	over) Size
Pressure	Buildu	p: :	Shut in Sep	ote	mber 🚹 20	15 at 8	:00	(AM) (PM)	Taken_S	eptembei	2620	15 at 8:	:00	(	AM) (PM)
Well on L	ine:	:	Started		20	) at	<del></del>	(AM) (PM)	Taken		20	at		(	AM) (PM)
	_						OBSERVE	D SURFAC	E DATA			Duration of	f Shut-	in_24	Hours
Static / Dynamic Property	namic Size		Circle one: Meter Prover Pressure		ın	Flowing Well Heat Temperature t		I Wellhood Pressure		Tubing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	<u> </u>		psig (Pm)		Inches H <sub>2</sub> 0			psig 825	839.4	psig	psig psia				
Flow			,,												
<u> </u>						_	FLOW STR	EAM ATT	RIBUTES						
Plate Coeffied (F <sub>b</sub> ) (F Mcfd	ient	Circle one: Meter or Prover Pressure psia			Press Extension ✓ P <sub>m</sub> x h	Faci	Gravity Factor F <sub>g</sub>		Flowing Devia properature Factor F <sub>p</sub>		ctor R		GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G <sub>m</sub>
														_	
/D \2			/D. \2		_	•	OW) (DELIV		•				-	<sup>2</sup> = 0.2	07
$(P_c)^2 = \underline{\qquad \qquad }$ $(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>e</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 or 2:  1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>		LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Backpressure Curve Stope = "n"		e n x 14	og [	Antilo	(P <sub>d</sub> )	Open Flow Deliverability Equals R x Antilog (Mcfd)	
						<u> </u>			_						
Open Flo	 w			_	Mcfd @ 14.6	 65 psia		Delivera	bility		ļ	Mcfd @ 14	.65 ps	 ia	
		ione	1 authority o	n h		•	states that h		-	to make the	above repo		•		ledge of
		-	n, and that s			, •		•		day of Ja	**	it and mar	110 110		20 <u>16</u> .
			Witness (	id oc	vì					n O	Cur	company			
															<u>.</u>
			For Comr	nissio	on						Chec	ked by			

I declare unde	r penalty of perjury und	der the laws of the state of	f Kansas that I am author	ized to request
exempt status unde	er Rule K.A.R. 82-3-304	on behalf of the operator <u>(</u>	Castelli Exploration, Inc.	
and that the forego	ing pressure information	on and statements contair	ned on this application for	m are true and
correct to the best o	of my knowledge and be	elief based upon available	production summaries and	d lease records
• •		of completion or upon use	_	herein named.
I hereby reques	st a one-year exemptior	n from open flow testing for	the Merrill Ranch #2-4	
as well on the gro	unds that said well:			1
(Check o	one)		•	KCC WICE
. —	is a coalbed methane p	roducer	•	FEB A.
닐	is cycled on plunger lift			RF 201
		as for injection into an oil re	eservoir undergoing ER	NECEIVEL
=	_	sent time; KCC approval D		
<u></u>	is not capable of produ	cing at a daily rate in exce	ess of 250 mcf/D	
I further agree	to supply to the best of	my ability any and all sup	porting documents deeme	ed by Commission
taff as necessary	to corroborate this claim	m for exemption from testi	ng.	
Date: January 21,	2016			
		Signature: 1	)(	
		Signature:	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	
		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.