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

Type Test:	:				( •	see msuuca	Uns un nev	6/36 DIGE	7					
	en Flow				Test Date	t.			API N	o. 15				
	iverabilt	y			March 1				1503	33214720	0000	184-11-8	lumbor	
Company Castelli Exploration, Inc.				Lease Merrill Ranch					#.	2-34	Number			
County Location Comanche NE SE			Section <b>34</b>			TWP 33S		RNG (E/M 16W	/)		Acres	Attributed		
Field Shimer			Reservoir Cherokee Chert					Gas Gathe Oneok	ering Conn	Connection		NE(		
Completion Date 6/09/06				Plug Back Total Depth 4932			Packer Set at		t at			DEC KCC W		
Casing Size Weight 4 1/2" 10.5#			Internat Diameter <b>8rd</b>			Set at <b>4998</b>		Perforations 4830-35		То		KCC N		
Tubing Size Weigi 2 3/8"				Internal Diameter			Set at 4818		Perforations		To	То		
Type Completion (Describe) Perf Single Zone Gas Well					Type Fluid Production Saltwater				Pump Unit or Traveling Plunger? Yes / No Pumping Unit				)	
Producing	Thru (	Annulus / Tul			% C	% Carbon Dioxide			% Nitrogen			Gas Gravity - G <sub>g</sub>		
Annulus Vertical D						Press	sure Taps				(N	fleter Run) (	(Prover) Size	
Pressure	Buildup	Shut in	Marcl	n 11 20	12 <sub>at</sub> 8	:00	(AM) (PM)	Taken_M	larch 12	20	12 <sub>at 8</sub> :	00	(AM) (PM)	
Well on Li	•			20										
· · · · ·						OBSERVE	D SURFACE	DATA			Duration of	Shut-in	Hour	
Static / Dynamic Property	Orifice Size (inche	Mete Prover Pre	Circle one: Meter Prover Pressure		Flowing Well Head Temperature t t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Duratio (Hours	I	quid Produced (Barrels)	
Shut-In	`	psig (F	'm)	Inches H <sub>2</sub> 0			901	915.4	psig	psia				
Flow														
•						FLOW STR	EAM ATTR	BUTES			I			
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P <sub>m</sub> x h	Grav Fac F	tor	Flowing Deviat Factor For Fit		ctor R		(C	GOR ubic Feet/ Barrel)	Flowing Fluid Gravity G <sub>m</sub>	
(P <sub>c</sub> ) <sup>2</sup> =		: (P <sub>w</sub>	) <sup>2</sup> =	:	•	OW) (DELIV		) CALCUL ' <sub>c</sub> - 14.4) +		:		$(P_a)^2 = 0$ $(P_d)^2 =$	).207	
$(P_{o})^{2} - (P_{a})^{2}$ or $(P_{c})^{2} - (P_{d})^{2}$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> 1. or 2. 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> 3. or 2. 3. or 3. or 3. or 4. 4. or 5.			Backpressure Curve Slope = "n" or Assigned Standard Slope		9 n x l (	og [	Antilog	,   [	Open Flow Deliverability Equals R x Antiloς (Mcfd)	
Open Flow		Mcfd @ 1		Mcfd @ 14	.65 psia		Deliverability				Mcfd @ 14.	l cfd		
·		ned authoriti	v on h	pehalf of the		states that h			to make the	above rep			owledge of	
				report is true			_		day of Se				, 20 12	
		Witn	ess (If ar	ny)		<u>.</u>	-	-7	سر		Company			
		For C	Commiss	ion			-			Che	ecked by			
		1010	. J   435								•			

DEC 2 6 2012

## **KCC WICHITA**

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exempt status under and that the forego correct to the best of of equipment instal	r penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Castell Exploration, Incoming pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records lation and/or upon type of completion or upon use being made of the gas well herein named. St a one-year exemption from open flow testing for the Merrill Ranch #2-34
gas well on the gro	ounds that said well:
(Check of	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
I further agree	to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessary	to corroborate this claim for exemption from testing.
Date: September	20, 2012
	Signature:

## 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.