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

Type Test	:				(	See Instruct	tions on Reve		e)	-, (,				
Open Flow     Deliverabilty				Test Date: February 8, 2014				API No. 15 15033215250000						
Company Castelli Exploration, Inc.			Lease Merrill Ranch			Ranch		#2-28	Well Number #2-28					
County Location Comanche SE SE SW			Section 28		TWP 33S		RNG (E/W) 16W		Acres Attributed					
Field Ham			Reservoir Mississippi				Gas Gathering Connection		ection					
O7/03/08		9			Plug Back	k Total Depi	th		Packer \$	Set at				
Casing Size 4 1/2"		Weight 10.5#		Internal Diameter		Set at 5128'		Perforations 5019		то 5025				
Tubing Size \\2 3/8"		Weight		Internal Diameter		Set at 5043'		Perforations		То				
Type Con Single 2			escribe) s & Oil Perf	orations	Type Flui Saltwa	d Production ter/Oil	n		Pump Ui Pump	nit or Traveling ing	ū	/ No		
Producing Annulus	•	(Anr	nulus / Tubing	)	% C	arbon Dioxi	de		% Nitrog	jen	Gas Gr	avity -	G,	
Vertical D	epth(H	3)			-	Pres	sure Taps				(Meter )	Run) (P	rover) Size	
Pressure	Buildu	p: :	Shut in Feb	ruary 8	0_14_at_8	:00	(AM) (PM)	Taken F	ebruary	920	14 at 8:00		(AM) (PM)	
Well on L	ine:	į	Started	20	0 at		(AM) (PM)	Taken		20	at	<u>.</u>	(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in	Hours	
Static / Dynamic Property	ynamic Size		Circle one: Meter Prover Pressu. psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Temperature Temperature		I Mallhand Proceura		Tubing  Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$ psig psia		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In								889.4						
Flow						EL OW OT		nurro	<u> </u>					
Plate	,		Circle one:	Proce	$\top$		Flowing						Flowing	
Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Meter or over Pressure psia	Press Extension P <sub>m</sub> xh	Facion		Temperature F		viation         Metered Flov           actor         R           F <sub>pv</sub> (Mcfd)		W GOR (Cubic Feet/ Barrel)		Fluid Gravity G <sub>m</sub>	
					<u> </u>									
(P <sub>c</sub> ) <sup>2</sup> =			(P )2-		(OPEN FL		YERABILITY) % (P.		_ATIONS - 14.4 =		(P <sub>s</sub> ) (P <sub>d</sub> )	i² == 0.2	207	
(P <sub>c</sub> ) <sup>2</sup> -(I		_ ` (F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 of 2  1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ tivided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide		Backpres Slope Assi	sure Curve e = "n" origned rd Slope	• n x	roe	Antilog	O De	pen Flow liverability is R x Antilog (Mcfd)	
Open Flo	w			Mcfd @ 14.	65 psia		 Deliverabi	lity	!		Mcfd @ 14.65 ps	ia		
		-		behalf of the			-			he above repo	ort and that he ha		wledge of	
			Witness (ii	any)	ii. Kansa	Recei	ived TON COMMISSIO		hi	Dan Ford	Company			
	<del></del> -		For Comm			DEC 3				Che	cked by			

exempt stat	re under penalty of perjury under the laws of the state of Kansas that I am authorized to request tus under Rule K.A.R. 82-3-304 on behalf of the operatore foregoing pressure information and statements contained on this application form are true and
of equipmer	ne best of my knowledge and belief based upon available production summaries and lease records nt installation and/or upon type of completion or upon use being made of the gas well herein named.  The stallation and/or upon type of completion or upon use being made of the gas well herein named.  The stallation and/or upon type of completion or upon use being made of the gas well herein named.  The stallation and/or upon type of completion or upon use being made of the gas well herein named.  The stallation and/or upon type of completion or upon use being made of the gas well herein named.  The stallation and/or upon type of completion or upon use being made of the gas well herein named.
	the grounds that said well:
	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  r agree to supply to the best of my ability any and all supporting documents deemed by Commission
	ressary to corroborate this claim for exemption from testing.
Date: Dece	ember 22, 2014
	Received KANSAS CORPORATION COMMISSION  DEC 3 1 2014  CONSERVATION DIVISION WICHITA, KS  Signature:  President  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.