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

= '	en Flo		02		( Test Date	See Instruc	tions on Re	verse Side	ÁPI	No. 15					
	liverab	ilty			April 25,				151	85003690	01				
Company Castelli		lora	tion, Inc.				Lease Knuds	on				#1	Well Nu	mber	
County Stafford			Location NE NE SW		Section 6		TWP 25S		RNG (E/W) 15W				Acres A	Attributed	
Field Wil				Reservoir Kinderhook				Gas Gathering Connection Lumen Energy		ction					
8/23/59		е			Plug Baci 4297'	k Total Dept	th		Packer S	et at					
Casing Size 4 1/2"			Weigh	t	Internal Diameter		Set at 4336'		Perforations 4210-20 4237-47			то 4259-64			
Tubing Size 2 3/8"			Weigh	t	Internal Diameter		Set at 4261'		Perforations			То			
Type Con Single (			escribe) e Perforatio	ons	Type Flui Conde	d Production	n			it or Traveling ng Unit	Plun	ger? Yes	/ No		
Producing		(Anı	nulus / Tubing	g)	% C	arbon Dioxi	ide		% Nitrogo	en		Gas Gr	avity - (	3 <sub>0</sub>	
Vertical D	epth(F	1)			••	Pres	sure Taps					(Meter l	Run) (P	rover) Size	
Pressure	Buildu	p:	Shut in Apr	il 25 2	0_14_at_8	00	(AM) (PM)	Taken_A	oril 26	20	14	at_8:00	(	(AM) (PM)	
Well on L	Well on Line:		Started2		0 at		(AM) (PM) Taken		20 _			at	(AM) (i		
						OBSERVE	D SURFAC	E DATA			Dura	tion of Shut-	in	Hours	
Static / Dynamic Property	Orifi Siz (inch	e.	Circle one: Meter Prover Pressu		t t t t		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>t</sub> ) or (P <sub>c</sub> )			Duration (Hours)	Liqui	Liquid Produced (Barrels)	
Shut-In			psig (Pm)	Inches H <sub>2</sub> 0			pslg 145	psia 159.4	psig	psia					
Flow												_		•	
	_		_	<del></del> -		FLOW STE	REAM ATTE	IBUTES	1					, ,	
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension √ P <sub>m</sub> xh	Extension Fac		Flowing Temperature Factor F <sub>I1</sub>	Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)		GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
					(OPEN FL	OW) (DELIV	ERABILITY	) CALCUL	ATIONS			(P.)	²= 0.2	07	
(P <sub>c</sub> ) <sup>2</sup> =		;	(P <sub>w</sub> )² =	:	P <sub>d</sub> =		% (	구。 - 14.4) +	14.4 =	<u></u> :		(P <sub>d</sub> )			
(P <sub>c</sub> ) <sup>2</sup> - (I or (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 or 2  1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1, or 2, and divide	Backpressure Curve Slope = "n" or Assigned Standard Slope  Backpressure Curve n x LOG Antilog Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)							
Open Flo	w			Mcfd @ 14.	65 nsia		Deliveral				Mofd	@ 14.65 ps	ia		
		iana	d authority o	n behalf of the		states that h	_		a maka ib				-	dodae et	
				aid report is true					day of O		rt an		as know		
			\$\$fis /	( anu)	<b>K</b> ANSAS	Receiv CORPORATIO	ed ON COMMISSIO	)N /	<u>L</u> (	Dly					
			Witness (			DEC 3_1	2014	•			ked by				
			•		CON	ISERVATION WICHITA,				0.161	y				

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status 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
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby request a one-year exemption from open flow testing for the Knudson #1
gas well 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
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: October 23, 2014
Received Signature: Title: Pesident
CONSERVATION DIVISION WICHITA, KS

## 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.