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

Type Test	t:				(	See Instruc	tions on Re	verse Side	)					
Ор	en Flo	w			Test Date				ADI:	No. 15				
<b>√</b> De	liverab	ilty				,. per 10, 201	4			3321 <b>7</b> 4500	00			
Company Castelli		ora	tion, Inc.				Lease Dunn				/ #1-24	Well Numbe	r	
County Coman	che		Locat SW NE	ion NE SE	Section 24		TWP 33S		RNG (EA	N)	,	Acres Attrib	uted	
Field Shimer	,				Reservoir Mississ				Gas Gath Oneok	ering Conn	ection			
Completic 03/06/14		θ		-	Plug Bac 5220	k Total Dept	th		Packer S	et at				
Casing Size 5.5		Weight 15.5			Internal I	Internal Diameter		Set at 5672		ations	то 5057			
Tubing Size 2.875			Weigl	nt	Internal [	Internal Diameter		Set at 4968		ations	То			
Type Con			escribe) Perforati	ons	Type Flui Oil/Sal	d Production			Pump Un ESP	it or Traveling	Plunger? Yes	/ No		
Producing	g Thru		nulus / Tubin		% (	arbon Dioxi	ide	, <u>.</u>	% Nitroge	en	Gas Gra	avity - G <sub>g</sub>		
Annulus Vertical D		1)		<del></del>		Pres	sure Taps				(Meter F	Run) (Prove	r) Size	
Pressure	Buildu	D: :	Shut in No	vember 🎦	20_14_at_8	:00	(AM) (PM)	Taken No	ovembe	r 11 20	14 at 8:00	(AM)	(PM)	
Well on L											at			
•						OBSERVE	D SURFAC	E DATA			Duration of Shut-	in		
Static /	Orifi		Circle one: Meter	Pressure Differential	Flowing	Well Head	Wellhead	sing I Pressure	1	ubing ad Pressure	Duration	Liquid Pro	nduced	
Dynamic   Property	Siz (inch		Prover Press psig (Pm)	<i>ure</i> in	Temperature t	Temperature t		P <sub>L</sub> ) or (P <sub>o</sub> )	1	(P <sub>1</sub> ) or (P <sub>c</sub> )	(Hours)	(Barre		
Shut-In			_				780	794.4		jt.				
Flow							,					<u> </u>		
	- 1			<del>,</del>		FLOW STE	REAM ATT	RIBUTES			<del></del>			
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ient ,)	Pro	Circle ane: Meler or ever Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Gra Fac	tor	Flowing Temperature Factor F <sub>ft</sub>	Fa	iation ctor	Metered Flo R (Mcfd)	w GOR (Cubic Fe Barrel)	et/	lowing Fluid Gravity G <sub>m</sub>	
			_					,						
	L			<del>'</del>	(OPEN FL	OW) (DELIV	/ERABILITY	/) CALCUL	ATIONS		(P <sub>a</sub> )	² = 0.207		
(P <sub>c</sub> ) <sup>2</sup> =		_:_	(P <sub>w</sub> ) <sup>2</sup> =	= <u>:</u>	P <sub>d</sub> ≃		% (	P <sub>c</sub> - 14.4) +	14.4 =	:	(P <sub>a</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>	1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_d^2$	LOG of formula 1, or 2. and divide	P.2. P.2	Sto A	essure Curve ope = "n" or ssigned dard Slope	n x L	.og [ ]	Antilog	Open F Delivera Equals R x (Mcf	ability x Antilog	
									:					
Open Flo	w			Mcfd @ 14	4.65 psia		Delivera	bility			Mcfd @ 14.65 psi	ia		
The	unders	igne	d authority, d	on behalf of the	e Company,	states that h	ne is duly a			•	ort and that he ha	ıs knowledç	je of	
the facts s	stated t	herei	in, and that s	aid report is tru		t. Executed	this the	22nd	day of D	ecember	<del> </del>	, 20 _	<u>14</u> ·	
					KANSAS.CO	Received ORPORATION O	ommission		M	Q Lu	<u> </u>			
			Witness			C_3_1_2	. = .		7		Сотрану			
			For Com	mission	CONS	RVATION DI	VISION			Che	ecked by			
						WICHITA, KS								

l declare und	ler penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status und	der Rule K.A.R. 82-3-304 on behalf of the operator
and that the foreç	going pressure information and statements contained on this application form are true and
correct to the bes	t of my knowledge and belief based upon available production summaries and lease records
of equipment insta	allation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby requ	est a one-year exemption from open flow testing for the Dunn #1-24
gas well on the gr	rounds that said well:
(Check	
	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
$\checkmark$	is not capable of producing at a daily rate in excess of 250 mcf/D
I further eare	o to supply to the best of my shility any and all supporting desuments deemed by Commission
	e to supply to the best of my ability any and all supporting documents deemed by Commission
stati as necessar	y to corroborate this claim for exemption from testing.
Date: December	22, 2014
Kansas (	Received CORPORATION COMMISSION Signature:
D	DEC 3 1 2014 Title: President
	OFFICIAL DIVIDION
CON	SERVATION 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.