KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Re	verse Side	e)					
□ Ор	en Flo	w			T4 D-4-				ADI	N= 46				
✓ Del	liverab	ilty			Test Date June 16					No. 15 3320057000	00			
Company Castelli		lora	tion, Inc.				Lease Merrill F	Ranch				C2	Well Nu	mber
County Coman	che		Location C NE S'		Section 33		TWP 33S		RNG (E.	W)			Acres A	ttributed
Field Ham					Reservoir Mississ				Gas Gai Oneol	hering Conne	ection		KC	
Completic 07/08/03		e			Plug Bac 5120	k Total Dep	th		Packer S None	Set at			FEE	Z WYC
Casing Si 4.500	ize		Weight 10.50		Internal I 4.062	Diameter	Set a 516		Perfo 497	rations 2		то 5014	RE	2010
Tubing Size 2.375			Weight 4.70		Internal D 1.995		Diameter Set at 5025		Perforations Open			То		C WICH O 1 2010 CEIVED
Type Con Single Z			escribe) s Perforatio	ns	Type Flui Water	d Productio	n			nit or Traveling ing Unit	Plunger	? Yes	/ No	
	_	(Anı	nulus / Tubing)	% C	Carbon Diox	ide		% Nitrog	jen		Gas G	ravity - (;,
Annulus														
Vertical D 4993)epth(F	1)				Pres	sure Taps					(Meter	Run) (Pi	over) Size
Pressure	Buildu	p;	Shut in Jun	e 16 2	15 at 8	:00	(AM) (PM)	Taken_Jt	une 17	20	15 at.	8:00	(AM) (PM)
Well on L	.ine:		Started	2	0 at		(AM) (PM)	Taken		20	at.		(AM) (PM)
						OBSERVE	D SURFAC	E DATA			Duration	ո of Shut	t-in	Hours
Static / Dynamic Property	Orifi Siz (Inch	e	Circle one: Meter Prover Pressu psig (Pm)		Flowing Temperature t	Well Head Temperature t	(P _w) or ()	Pressure	Wellho	Tubing ad Pressure r (P ₁) or (P _c)		Duration Liquid Pro-		d Produced Barrels)
Shut-In			paig (r iii)	Inches H ₂ 0	_		110	psia 124.4	psig	psia				
Flow														
						FLOW ST	REAM ATTR	IBUTES						
Plate Coeffied (F _b) (F Mofd	ient ,)	Pro	Circle one: Meter or over Pressure psia	Press Extension √ P _m x h	Grav Fac F	tor	Flowing Temperature Factor F _{tt}	Fa	viation actor = _{pv}	Metered Flow R (Mcfd)	v	GOR (Cubic Fo	eet/	Flowing Fluid Gravity G _m
<u> </u>														
(P _c) ² =		_:	(P _w) ² =	;	(OPEN FL		/ERABILITY % (F) CALCUL P _o - 14.4) +		:		_) ² = 0.2	07
(P _c) ² - (I or (P _c) ² - (I		(F	P _c) ² - (P _w) ²	Choose formula 1 of 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w$	LOG of formula 1, or 2, and divide	P _c ² - P _w ²	Sto	ssure Curve pe = "n" - or signed ard Slope	l n x	LOG	An	stilog	Del Equals	pen Flow iverability R x Antilog (Mcfd)
		-												
0					05 ==!=		P-8. 1	-lite.			N-1-		<u> </u>	
Open Flo				Mcfd @ 14			Deliverat					14.65 ps		
		-	•	n behalf of the lid report is tru	•		•		to make t day of	he above repo anuary	ort and t	hat he h		ledge of 20 16 .
, , , , , , , ,				report to tru	- a.i.a ooiiot	Enough		N)(4.=	-		'	<u></u> ,
			Witness (i	any)			•	<u>-</u>	m)	For	Company			
			For Comm	ission			•			Che	cked by			

	re under penalty of perjury under the laws of the state of Kansas that I am authorized us under Rule K.A.R. 82-3-304 on behalf of the operator Castelli Exploration	
	e foregoing pressure information and statements contained on this application form	
	ne best of my knowledge and belief based upon available production summaries and	
	nt installation and/or upon type of completion or upon use being made of the gas well h	
	y request a one-year exemption from open flow testing for the Merrill Ranch C2	iorom mamou.
	the grounds that said well:	
5	-	<i>l-</i> -
((Check one)	ACC MIC
	is a coalbed methane producer	KCC WICH FEB 0-1 2010 RECEIVED
	is cycled on plunger lift due to water	RE- 201
	is a source of natural gas for injection into an oil reservoir undergoing ER	ECEIVED
	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 sessary to corroborate this claim for exemption from testing.	by Commission
Date: Janu	uary 21, 2016	
	Signature:(a=	
	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.