KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				6	See Instruc	ctions on Re	verse Side)				
_ :	en Flov				Test Date	::			API	No. 15			
✓ Del	liverabi —	lty 				18, 2014				0470 0433 0 6803			
Company Castelli		ora	tion, Inc.				_{Lease} Emma	Smith		(600)	#1	Well Nu	mber
County Edwards			Location NW SE SW		Section .		TWP 25S			(W)		Acres A	ttributed
Field Wil					Reservoir Miss/Kinderhook		k			hering Conn Energy	ection	-	_
Completion Date 1/21/57		7			Plug Back Total Depti		oth	1		Set at			
Casing Size 5 1/2"			Weight		Internal Diameter		Set at 4333'		Perforations 4230-34 4240-4		то 49 4253-60		
Tubing Size 2 3/8"			Weight		Internal Diameter		Set at		Perforations		То		
Type Con			escribe) s Zone Pe	forations	Type Fluid	d Production	חס			nit or Traveling	Plunger? Yes	/ No	
			nulus / Tubing			arbon Diox	iide		% Nitrog		Gas Gr	avity - 0	
Annulus Vertical D		<u> </u>				Pres	ssure Taps				(Meter	Run\ (Pi	rover) Size
													·
Pressure	Buildup	o: :	Shut in Aug	rust 18 2	0 14 at 8:	:00	. (AM) (PM)	Taken_A	ugust 19	9 20	14 at 8:00	(AM) (PM)
Well on L	ine:		Started	2	0 at		. (AM) (PM)	Taken		20	at	(AM) (PM)
				_		OBSERVE	ED SURFAC	E DATA			Duration of Shut-	in	Hours
Static / . Dynamic	lynamic Size		Circle ane: Meter Prover Pressu	Pressure Differential	Flowing Temperature t	Well Head Temperature t	Wellhead	Casing Wellhead Pressure (P_w) or (P_t) or (P_c)		Tubing ad Pressure r (P,) or (P,)	Duration (Hours)	Liquid Produced (Barrels)	
Property	(IIICIA		psig (Pm)	Inches H ₂ 0	<u> </u>	,	psig	psia	psig	psia			
Shut-In				_			135	149.4					
Flow									<u> </u>				
Plate			Circle one:	_		FLOW ST	REAM ATTR	IBUTES					
Coefficcient (F _b) (F _p) Mcfd		Pro	Meter or over Pressure psia	Press Extension Pmxh	Grav Fact F _c	tor	Flowing Temperature Factor F _{ft}	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
			. 				<u> </u>						
/D \2			/D \3			OW) (DELI	VERABILITY					² = 0.2	07
(P _c) ² =		<u>-:</u>	(P _w)² =	Choose formula 1 or 2			<u> </u>	- 14.4) +			(P _a)		
(P _c) ² - (F	P _a) ² P _d) ²	(F	P _c) ² - (P _w) ²	 P_c² - P_a² P_c² - P_d² divided by: P_c² - P_d² 	LOG of formula 1. or 2. and divide by:	Backpressure Curve Slope = "n"		Del Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)				
						<u> </u>							_
	[
Open Flo	w			Mcfd @ 14.	65 psia		Deliverat	ility			Mcfd @ 14.65 ps	ia	
The t	undersi	gne	d authority, or	n behalf of the	Company, s	states that	he is duly a				ort and that he ha	as know	rledge of
the facts s	tated th	nerei	in, and that sa	aid report is true	and correc			3rd	day of _	October			20 14 .
			18514 (2	Family	KANSAS CO	Received RPORATION	J Commission	1	h(Ylui	Company		
			Witness (i		DE	C 3 1 2	2014		~		Company		
			For Comm	ISSIUIT	CONSE V	RVATION DI VICHITA, KS	VISION			Cne	cked by		

	status under Rule K.A.R. 82-3-304 on behalf of the operator Castelli Exploration, Inc.
and tha	t the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records
	ment installation and/or upon type of completion or upon use being made of the gas well herein named. reby request a one-year exemption from open flow testing for the Emma Smith #1
	I 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
	rther agree to supply to the best of my ability any and all supporting documents deemed by Commission
siaii as	necessary to corroborate this claim for exemption from testing.
Date: _C	October 23, 2014
	Received
	KANSAS CORPORATION COMMISSION Signature:
	DEC 3 1 2014 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.