KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test					(See Instru	ctions on R	everse Sid	e)					
				Test Date: September 22, 2015				API No. 15 15047214220000						
Company Castelli Exploration, Inc.					<u> </u>	Lease Emma Smith					#2	Well Nu	mber	
County Location Edwards NE NW SW			Section 1		TWP			w)		Acres A	ttributed			
Field Wil			Reservoir Lansing				16W Gas Gathering C Lumen Energ		ection	•				
Completion Date 7/18/97			Plug Back	Plug Back Total Depth			Packer 8							
Casing Size Weight 5 1/2"			internal D	Diameter	Set at 4298'		Perforations 3929-38		То					
Tubing Si 2 3/8"	ubing Size Weight		Internal Diameter		Set at 4218'		Perforations		То					
Type Con			escribe) s Perforatio	ons		Type Fluid Production Saltwater			Pump Unit or Traveling Plunger? Yes / No Pumping Unit					
Producing	-	(Anı	nulus / Tubing	3)	% C	arbon Diox	kiđe		% Nitrog	jen	Gas G	ravity - G	ì	
Vertical D		1)			··	Pre	ssure Taps			<u></u> -	(Meter	Run) (Pr	over) Size	
Pressure	Buildu	ın.	Shut in Sep	otember 🛱 🤈	0 15 _{at} 8:	:00	(AM) (PM) Taken S	eptemb	er 23 20	15 at 8:00		AM) (PM)	
Well on L								•			at	·		
				·		OBSERV	ED SURFA	CE DATA			Duration of Shut	-in	Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Presso psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well H Temperature Tempera		Wallhood Proceuro		. Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration Li (Hours)		iquid Produced (Barrels)	
Shut-In							145	159.4	paig	psia				
Flow														
				η————	_	FLOW ST	REAM ATT	RIBUTES					 	
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Fac	Gravity Factor F ₉		Flowing Deviation Factor F _{pt}		Metered Flov R (Mcfd)	W GOR (Cubic Fo	eet/	Flowing Fluid Gravily G _m	
			 -		(OPEN FL	OW) (DELI	VERABILIT	Y) CALCU	LATIONS		/D	\2	07	
(P _c) ² =		_:	(P _w)² ⊨		P _d =	• •		(P _e - 14.4)		:	(P _a)² = 0.2)² ==	u/ 	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 2 1. $P_c^2 - P_u^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_u^2$	P ² -P ² LOG of formula P ² -P ² 1. or 2. and divide			Backpressure Curve Slope = "n" or Assigned Standard Stope		rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
								•						
Open Flo	11.07			Mcfd @ 14	65 nsia		Deliver	ability			Mcfd @ 14.65 ps	ia		
		siane	d authority, o			states that		•	to make t	he above repo	ort and that he h		ledge of	
			in, and that s	aid report is tru	e and correc	t. Execute		21st	day of _	anuary			20 16 .	
			Witness (if any)		FEB	0 1 29"	§		For e	Company			
			For Comm	nission		CONCERVA MO	गाँकत क्षात्रका सम्बद्ध	- NC		Che	cked by			

(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: January 21, 2016		
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 theEmma Smith #2 gas well on the grounds that said well: (Check one) (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		•
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Received Signature: The Catter	Date: January 21, 2016	
Received Signature: The Cast		
KANSAS CORPORATION COMMISSION President	KANSAS CORPORATION COMMISSION	D'aux-
LEB 0.1 5810	LEB O J 5810	
CONSERVATION JIVISION	CONSERVATION JIMISION 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.