KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

1 - 4

Type Test			0112		(;	See Instruct	tions on Rev	erse Side)	in Condition				
☐ Open Flow ☐ Deliverabilty				Test Date: December 18, 2015				API No. 15 15047003620000						
Company		lora	tion. Inc.	-	· · ·	•	Lease Barstov	v			 #1	Well Nu	mber	
County	Castelli Exploration, Inc. County Location Edwards SW NE NE			Section 11		TWP 25S		RNG (E/W) 16W			Acres A	ttributed		
Field Wil		Reservoir Kinderhook			Gas Ga		nering Conn Energy	ection						
Completion Date 4/16/57			Plug Back Total Depth 4365'			Packer Set at None								
Casing Size Weight 5 1/2"			Internal Diameter		Set at 4369		Perforations 4265-74		То					
	Tubing Size Weight			Internal E	iameter	Set at		Perforations		То				
Type Con			escribe) Perforation	ns	Type Flui	d Production	n			nit or Traveling	Plunger? Yes	/ No		
_	-	(Anr	nulus / Tubing)	% C	arbon Dioxi	ide		% Nitrog	en	Gas Gr	avity - G	j,	
Annulus Vertical D		1)				Pres	sure Taps				(Meter	Run) (Pr	over) Size	
Pressure	Buildo	n'	Shut in Dec	ember 指 2	. 15 ., 8:	:00	(AMA) (DMA)	Takan De	ecembe	r 19 🧠	15 _{at} 8:00		^ A A A \ / CD M \	
Well on L											at			
•						OBSERVE	D SURFACE	DATA			Duration of Shut	-in	 Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well He Temperature Tempera		e Wellhead Pressure (P _w) or (P _L) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)				iquid Produced (Barrels)	
Shut-In			poig (i iii)	1101103 1120			psig 145	psia 159.4	psig	psia				
Flow								_	-					
	- 1				Ψ	FLOW STE	REAM ATTR	BUTES	Ī					
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m x h	Extension Fact		Flowing Temperature Factor F _{I1}	Deviation Factor F _{pv}		Metered Flor R (Mcfd)	(Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
					/OPEN EL	OW) (DELIN	/ERABILITY	CALCIII	ATIONS			 -		
(P _c) ² =		<u>:</u>	(P _w) ² =	<u> </u>	P _d =			- 14.4) +		;		$)^2 = 0.2$ $)^2 = $	07 	
(P _c) ² - (I	P _a)²	(F	P _c) ² - (P _w) ²	Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_a^2$	LOG of formula 1, or 2, and divide	P _c ² - P _w ²	Stor Ass	ssure Curve e = "n" or signed ard Slope	l n x i	LOG	Antilog	Deli Equals	en Flow iverability R x Antilog (Mcfd)	
				· •				•						
		l	ļ		<u> </u>							<u> </u> 		
Open Flo		iano	d authority or	Mcfd @ 14.	<u>-</u>	statos that k	Deliverab	<u></u>	o make th	a about rand	Mcfd @ 14.65 ps		ladae of	
		•	•	id report is tru			•		day of	•	ort and that he h		<u>-</u>	
					pi-	Recei	ved on commissio	_		Cui-				
			Witness (i	any)		FEB 0	1 206 -			For	Company			
			For Comm	ission	80	NSERVATION WICHITA				Che	cked by			

•	penalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator Castelli Exploration, Inc.
correct to the best of of equipment installa	rig pressure information and statements contained on this application form are true and my knowledge and belief based upon available production summaries and lease records tion and/or upon type of completion or upon use being made of the gas well herein named. a one-year exemption from open flow testing for the Barstow #1
<u></u>	a coalbed methane producer
is is	cycled on plunger lift due to water a source of natural gas for injection into an oil reservoir undergoing ER on vacuum at the present time; KCC approval Docket No not capable of producing at a daily rate in excess of 250 mcf/D
_	supply to the best of my ability any and all supporting documents deemed by Commission corroborate this claim for exemption from testing.
Date: _January 21, 2	016
Kans/	Received Signature: The Cut Scorporation Commission Title: President
Đ	DNSERVATION 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.