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

Type Test			•		(-	See Instruc	tions on Re	verse Side	)					
`	en Flo liverat				Test Date July 6, 2					No. 15 )33211600	0000			
Company Castelli Exploration, Inc.			Lease Merrill Ranch					Well Number #1-21						
County Location Comanche SW NE NE			Section 21		TWP 33S	TWP RI 33S 1		W)	_	Acres A	Attributed			
Field Ham			<del>_</del>		Reservoir				Gas Gati Oneok	•	ection			
Complete 04/08/0		te				k Total Dept	th		Packer S	et at		_	·	
			Weight 10.5#		Internal Diameter		Set at 5030'		Perforations 4973'-81'		то 4952'-56			
Tubing Size Weight 2 3/8"				Internal C	Diameter	-	et at Perforations 975'		rations	То				
Type Completion (Describe) Single Zone Gas Perforations				Type Fluid Production Saltwater			Pump Unit or Traveling Pumping			Plunger? Yes	/ No			
Producing Thru (Annulus / Tubing) Annulus				% Carbon Dioxide				% Nitrog	en	Gas G	Gas Gravity - G			
Vertical E	Depth(I	1)	<del></del>			Pres	sure Taps			<del></del>	(Meter	Run) (Pi	rover) Size	
Pressure	Bulldu	ıp:	Shut in July	6 2	0 10 at 8	:00	(AM) (PM)	Taken_JL	ıly 7	20	10 at 8:00	(	(AM) (PM)	
Well on L	.ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(	(AM) (PM)	
			Circle one:	Pressure		OBSERVE	D SURFAC			ubing	Duration of Shut	-in	Hours	
Static / Orifice Dynamic Size Property (inches		0	Meter Prover Pressur pskg (Pm)	Differential	Temperature Temperature		Casing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$ psig psia		Welihead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>6</sub> ) psig psia		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In							863	877.4						
Flow						EL OW STE	SEAN ATTE	DUTES						
Plate	<del></del>		Circle one:	Press			Flowing		riation		y GOR		Flowing	
Coefflectent (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Mater or over Pressure psia	Extension P <sub>m</sub> x h	Gravity Factor F		Temperature Factor F <sub>11</sub>	emperature Fac Factor F		Metered Flov R (Mcfd)	(Cubic F Barrel	eet/	Fluid Gravity G <sub>m</sub>	
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =_	:	(OPEN FL	OW) (DELIV		') CALCUL P <sub>c</sub> - 14.4) +		<u></u> :		) <sup>2</sup> = 0.2 ) <sup>2</sup> =	07	
(P <sub>o</sub> ) <sup>2</sup> - (P <sub>o</sub> ) <sup>2</sup> Or (P <sub>o</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>		(P <sub>e</sub> )*- (P <sub>w</sub> )*		1. P <sub>a</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>a</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> wided by: P <sub>a</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	1. P <sup>2</sup> -P <sup>2</sup> LOG of formula 2. P <sup>2</sup> -P <sup>2</sup> 1. or 2. and divide		Šio	Backpressure Curve Slope = "n" Assigned Standard Slope		roe [	Antilog	Deli Equals	Open Flow Deliverability Equals R x Antilog (Mctd)	
-	•													
							<u> </u>					<u> </u>		
Open Flo				Mcfd @ 14.			Delivera	<u> </u>			Mcfd @ 14.65 ps			
		-	d authority, on in, and that sa				•		day of A	-	ort and that he h		ledge of 20 10 .	
			Witness (il	eny)	RE	CEIVE	D	1/		4 > (	Company			
			For Commi	tslon	DE	C 23 2	010			Che	cked by			

KCC WICHITA

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request								
	304 on behalf of the operator							
	nation and statements contained on this application form are true and							
•	d belief based upon available production summaries and lease records							
	rpe of completion or upon use being made of the gas well herein named.							
I hereby request a one-year exemp	tion from open flow testing for the Merrill Ranch #1-21							
gas well on the grounds that said well:								
(Check one)								
is a coalbed methar	ne producer							
<u> </u>	is cycled on plunger lift due to water							
is a source of natural gas for injection into an oil reservoir undergoing ER								
	present time; KCC approval Docket No							
	oducing at a daily rate in excess of 250 mcf/D							
is not capable of pro	sudding at a daily rate in excess of 250 mons							
I further agree to supply to the bes	et of my ability any and all supporting documents deemed by Commission							
staff as necessary to corroborate this	claim for exemption from testing.							
Date: 08/10/10								
Date.								
DECENTED								
KECEIVED	Signature:							
DEC 2 3 2010								
V00 141101 11-4	Title: President							
KCC WICHITA								

## 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.