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

Sining Si	Type Test:				(-	See Instructi	ions on He	verse Side	"					
Company Castelli Exploration, Inc.  Company Location County Comanche C NW NW  A saction TWP ASSISTSIPPI Selection Splinger  Completion Date 1/17/773  Reservoir Mississippi Completion Date 1/17/773  Reservoir Mississippi Completion Date 1/17/773  Reservoir Mississippi Reservoir Completion Date 1/17/773  Reservoir Mississippi Reservoir Completion Date 1/17/773  Reservoir Reservoir Mississippi Reservoir Reservoir Mississippi Reservoir Reservoir Mississippi Reservoir Reservoir Reservoir Reservoir Reservoir Reservoir Mississippi Reservoir Reserv	(													
County Commanche C NW NW 4 33S 16W Commanche C NW NW Commanch C NW Commanch	Company	·	ation Inc		Februar	y 7, 2012		vis	1500	3320135		Well Num	nber	
Field Shimler Mississippi Gas Gathering Connection One Competion Data Mississippi Plug Back Total Depth No One Ox One Ox		LAPIOIE	Location		Section		TWP			/)		Acres At		
Shimer  Mississippi  Ompeleion Data  Plug Back Total Depth Plug Ba	Comanche C NW N		IW			33\$		W. M. 11		tion		REC		
A 1/2"   Source   Set at   Perforations   To   23/8"   Set at   Perforations   To   49/11-21										army Cormec			DEC	
10   10   10   10   10   10   10   10								al Library					- <b></b>	
Tubing Size Weight Internal Diameter Set at 4812 4911-21 To 2 3/8". Tubing Size Production Saltwater Pump Unit or Traveling Plunger? Yes / No Single Zone Gas Perforations  Type Femilian (Production Saltwater Pump Unit or Traveling Plunger? Yes / No Single Zone Gas Perforations  Type Femilian (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - Gas Gravity	Casing Si		Weight				Set at		Perforations		То	<b>+</b>	CC W	
Type Fompletion (Describe) Single Zone Gas Perforations Saltwater  Pumping Unit Research Res			Weight		Internal Diameter		Set at		Perforations		То			
Single Zone Gas Perforations  Saltwater  Producing Thru (Annulus / Tubing)  % Carbon Dioxide  % Nitrogen  Gas Gravity - G,  Annulus  Vertical Depth(H)  Pressure Buildup: Shut in February 7 20 12 at 8:00 (AM) (PM) Taken February 8 20 12 at 8:00 (AM) (PM)  Well on Line: Stande  20 at (AM) (PM) Taken February 8 20 12 at 8:00 (AM) (PM)  Well on Line: Stande  Districtional Differential February 7 20 12 at 8:00 (AM) (PM) Taken February 8 20 12 at 8:00 (AM) (PM)  Well on Line: Stande  Districtional Differential February 8 (AM) (PM) Taken February 8 20 12 at 8:00 (AM) (PM)  Districtional Differential February 8 20 12 at 8:00 (AM) (PM)  Static / Orifice Dynamic (Riches) Pressure (Inches) Pressure (Inches) Properly (Inches) Pressure (Inches) Properly (Inches) Pressure Properly (Inches) Pressure Properly (Inches) Properly (Inches) Properly (Inches) Pressure Properly (Inches)		nletien /D	anariba)	wih o \		Type Fluid Production						nger? Yes / No		
Annulus  Vertical Depth(H)  Pressure Taps  (Meter Run) (Prover) Six  Pressure Buildup: Shut in February 7 20 12 at 8:00 (AM) (PM) Taken February 8 20 12 at 8:00 (AM) (PM)  Well on Line: Staned 20 at (AM) (PM) Taken 20 at (AM) (PM)  Static Orlice Size Property (Inches) Pressure Differential in paig (Pm) Inches H,0 (Inches) Property (In			•	ıs			,		•				urary.	
Vertical Depth(H)  Pressure Taps  (Meter Fun) (Prover) Signal			nulus / Tubing)		% C	arbon Dioxi	de		% Nitroge	n	Gas Gr	avity - G	a	
Stated 20 at (AM) (PM) Taken 20 at (AM) (PM)  OBSERVED SURFACE DATA  Duration of Shut-in 24 Ho  Casing Tubing Wellhead Pressure psig (Pm) in ches H, 0 I I Pressure psig (Pm)  Properly (P, ) or (P, ) o						Press	sure Taps				(Meter I	Run) (Pro	over) Size	
Stated 20 at (AM) (PM) Taken 20 at (AM) (PM)  OBSERVED SURFACE DATA  Duration of Shut-in 24 Ho  Casing Tubing Wellhead Pressure psig (Pm) in ches H, 0 I I Pressure psig (Pm)  Properly (P, ) or (P, ) o			Febru	uarv 7	. 12 . 8	:00		Fe	ebruary 8		12 . 8:00			
Static / Orifice Dynamic Property (inches) Prope		•												
Stalic / Orifice   Dynamic   Property   Pr	Well on Li	ine:	Started	2	0 at		(AM) (PM)	1aken		20 _	aι		iivi) (Fivi)	
Static   Ortfice   Meter or   Pressure   Static   Proyer   Pressure   Proyer   Prover   Pressure   Proyer   Prover   Pressure   Proyer   Prover   P					· · · · · · · · · · · · · · · · · · ·	OBSERVE	D SURFAC	E DATA	·		Ouration of Shut-	<u>in 24</u>	Hours	
Dynamic (inches)   Property   Pro	<b>*</b>		Meter Differential		_	- I		. •		1 - 1		Liquid	d Produced	
FLOW STREAM ATTRIBUTES  Plate Coefficient (F <sub>2</sub> )(F <sub>2</sub> ) Meter or Prover Pressure paia (P <sub>2</sub> ) <sup>2</sup> = : (P <sub>2</sub> ) <sup>2</sup> = : (P <sub>2</sub> ) <sup>2</sup> = : P <sub>3</sub> = (P <sub>2</sub> ) <sup>2</sup> = (P <sub>3</sub> ) <sup>3</sup> = (P <sub>3</sub>	' 1			in	'	, ,	(P <sub>*</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		$(P_w)$ or $(P_t)$ or $(P_c)$		(Hours)	(Ba	(Barrels)	
FLOW STREAM ATTRIBUTES  Plate Coefficient (F <sub>p</sub> )(F <sub>p</sub> ) (F <sub>p</sub> ) (F <sub>p</sub> ) (Meter or Prover Pressure pisia    (OPEN FLOW) (DELIVERABILITY) CALCULATIONS (P <sub>p</sub> ) (P	Shut-In		paig (Fiii)	inches ri <sub>2</sub> 0					psig	psia		<del>                                     </del>		
Plate Coefficient ( $F_{\mathfrak{p}}$ )	Flow							· · · · · · · · · · · · · · · · · · ·						
Coefficient $(F_{n})(F_{n})$ $F_{n}$ $(F_{n})(F_{n})$ $(F_{n})(F_{n})$ $(F_{n})(F_{n})$ $(F_{n})(F_{n})$ $(F_{n})(F_{n})(F_{n})$ $(F_{n})(F_{$						FLOW STR	EAM ATTE	HBUTES						
$ (P_c)^2 =                                   $	Coeffiect (F <sub>b</sub> ) (F	ient ,) Pr	Meter or over Pressure	Extension	Fac	tor	Temperature Factor	Fa	actor	R	(Cubic Fe		Flowing Fluid Gravity G <sub>m</sub>	
$ (P_c)^2 =                                   $														
Choose formula 1 or 2:  (P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> Deliverability  Open Flow  Mcfd @ 14.65 psia  Deliverability  Mcfd @ 14.65 psia  Deliverability  Mcfd @ 14.65 psia	•				(OPEN FL	OW) (DELIV	ERABILITY	) CALCUL	ATIONS		(P <sub>a</sub> )	<sup>2</sup> = 0.20	17	
Open Flow  Mcfd @ 14.65 psia  The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of	(P <sub>c</sub> ) <sup>2</sup> =	<u>:</u>		:	· · · · ·					:	(P <sub>d</sub> )	<sup>2</sup> =		
Open Flow  Mcfd @ 14.65 psia  Deliverability  Mcfd @ 14.65 psia  The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of	or			1. P <sub>c</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup>	LOG of formula		Slo	pe = "n"	n x 10	og 📗	Antilog	Deliv	erability/	
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of	(P <sub>c</sub> )²- (I	P <sub>a</sub> )2	div		and divide	P.2 - P.2						1 '	٠,	
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of														
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of	Open Flor			Mcfd @ 14	65 nsia		Deliveral	nility			lcfd @ 14.65 ps	ia.		
	<u> </u>		ed authority on		`	etatoe that h			n make the				edge of	
the facts stated therein, and that said report is true and correct. Executed this the 20th day of September , 20 12		_												
	(0013 5	acou mere	, unu mai sait	opoicio du	- wind points	2.000000		<b>€</b>	بن ر <u>ـــ</u> ـــــــــــــــــــــــــــــــــ	\ /				
Witness (if any) For Company	remark - T		Witness (if a	ny)				_/-	<b>-</b> -₽	ForCo	mpany			
For Commission Checked by			· · · · · · · · · · · · · · · · · · ·								ad b			

## DEC 2 6 2012

## **KCC WICHITA**

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	der penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Castelli Exploration, Inc.
and that the fore correct to the be of equipment ins I hereby req	going pressure information and statements contained on this application form are true and st of my knowledge and belief based upon available production summaries and lease records callation and/or upon type of completion or upon use being made of the gas well herein named. Hest a one-year exemption from open flow testing for the CA Davis #1-4 rounds that said well:
I further agr	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 se to supply to the best of my ability any and all supporting documents deemed by Commission by to corroborate this claim for exemption from testing.
	Signature:

## 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.