KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Acres Altributed Acres Acres Acres Acres	Type_Test	: -					(See Ins	struct	ions on Re	verse Side	9)					
March 9, 2011 1509730118 -	Op	en Flo	w				~					. 51					
Sate of the state	√ De	liverab	ilty											C(X))		
County Location Section 1WP RNG (EMY) Acres Attributed brown in the control of th	Company Castelli		lora	tion Inc							neade E			#1-15	Well N	umber	
CSE 15 30S 17W					Section												
mississippi Oneok Mississippi Pepeker Set at none Plug Beck Total Depth Pepeker Set at none N/A N/A 4808 4741 4776 N/A N/A 4808 4741 4776 N/A N/A N/A 4808 4741 4776 N/A																	
Saling Size Weight Internal Diameter Set at Perforations To A776 Weight N/A												•	ection				
N/A N/A 4808 4741 4776	Completic 02/02/66		e					k Total	Dept	h							
N/A Type Fluld Production Saltwater Pumping Unit Pressure Tays (Meter Run) (Prover) Size **Carbon Dioxide** **Sultwater Pumping Unit Pressure Tays (Meter Run) (Prover) Size **Gesure Buildup: Shut in March 8 20 11 at 8:00 (AM) (PM) Taken March 9 20 11 at 8:00 (AM) (PM) **Pell on Line: Started	•												•	•			
Type Fluid Production Saltwater Pumping Unit or Tavelling Plunger? Ves / No Saltwater Pumping Unit Or Saltwater									Set a	at	Perforations		То	То			
Troducing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - G, (Meter Run) (Prover) Size (AM) (PM) Takan March 9 20 at	Type Con				ions	s			uction)				Plunger? Yes	/ No		
Pressure Buildup: Shut in March 8 20 11 at 8:00 (AM) (PM) Taken March 9 20 11 at 8:00 (AM) (PM) Taken March 9 20 11 at 8:00 (AM) (PM) Taken March 9 20 11 at 8:00 (AM) (PM) Taken 20 at (AM) (PM) Take									Dioxid	de		<u> </u>		Gas G	ravity -	G _a	
Tressure Buildup: Shut in March 8 20 11 at 8:00 (AM) (PM) Taken March 9 20 11 at 8:00 (AM) (PM) Vell on Line: Started 20 at (AM) (PM) Taken 20 at (AM) (PM) Static / Orifice Street American Street Street Street American Street Str	Annulus																
Continue	Vertical D	epth(F	1)						Press	sure Taps				(Meter	Run) (P	Prover) Size	
OBSERVED SURFACE DATA OUTSIDE Circle ons: Melar Prover Pressure (inches) Pressure (Pressure	Buildu	p:	Shut in Ma	arch	18 2	0 11 at 8	:00		(AM) (PM)	Taken M	arch 9	20	11 at 8:00		(AM) (PM)	
Sitatic / Oriflice Circle one: Meter Differential Flowing	Well on L	lne:		Started		2	0 at			(AM) (PM)	Taken		20	at		(AM) (PM)	
Continue								OBSE	RVE	D SURFACI	E DATA	·		Duration of Shut-	in 24	Hours	
Properly (inches) Prover Pressure palg (Pm) inches H ₂ 0 Inches H ₂ 0 Inches	Static / Or		ifice I				Flowing	Well Head						Duration	Ugui	Uguid Produced	
FLOW STREAM ATTRIBUTES Plate Circle one: (F ₁)(F ₂) Moltar or Prover Pressure piala (F ₂)(F ₂) Moltar or Prover Pressure piala (P ₂) ² = (P ₂)	Dynamic Property		Size Inches)		ure in							1				· .	
Flow STREAM ATTRIBUTES Plate Coefficient (F ₂)(F ₃) Moted Prove Pressure Prove Pressure Prove Pressure Prove Pressure Prove Prove Pressure Prove Prove Pressure Prove Prove Pressure Prove Prove Prove Pressure Prove Prov	, toparty			psig (Pm)	<u> </u>	Inches H ₂ 0	•			psig	psia	psig	psia		<u> </u>		
FLOW STREAM ATRIBUTES Plate Coefficient (F _s)(F _s) Moder or (F _s)(F _s) Moder Prover Pressure psia Coefficient (F _s)(F _s) Moder (OPEN FLOW) (DELIVERABILITY) CALCULATIONS (P _s) ² = (P _s) ²	Shut-In									187	201.4	ļ					
Plate Coefficient Meter or Prover Pressure psia Press Extension Power Pressure Power Pressure Power Prover Pressure Psia Prover Prover Pressure Psia Prover Pressure Psia Prover Prover Pressure Psia Prover Prover Pressure Psia Prover Pressure Psia Prover Prover Pressure Psia Prover Pressure Psia Prover Pressure Psia Prover Pressure Psia Psia Prover Pressure Psia Psia Psia Psia Psia Psia Psia Psia	Flow						,										
Coefficient (F _p) (F _p) Prover Pressure paia (P _p) ² = (P _p) ² = (P _p) ² - (P _p) ² (P	•	•		•	'			FLOW	STR	EAM ATTR	IBUTES	 	·		\		
Coefficient (F _a) (F _p) Prover Pressure psia P _{ax} h Factor F _e P _{ax} h Factor F _e Prover Pressure psia P _{ax} h H P _{ax} h P _{ax} h H P _{ax}	Plate	,		Circle one:		Press	Grav	dhe		Flowing	David		Material Clay	COR		Flowing	
Company Position	Coefficient Meter or Extension					Fac	Factor			Temperature Fa							
(P _e) ² = (P _w) ² = (P _w) ² = (P _e) ² =	1. P1 1. b1			ı ı		√ P _m xh	F,		L.		F	pv	(Mcld)	Barrel)	ı	1 ' 1	
Por 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 a facts stated therein, and that sald report is true and correct. Executed this the 22nd Witness (if any) Pa =					\dagger												
Por 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 a facts stated therein, and that sald report is true and correct. Executed this the 22nd Witness (if any) Pa =							(OPEN FL	OW) (DI	L ELIVI	ERABILITY) CALCUL	ATIONS					
Pen Flow Mcfd © 14.65 psia Deliverability 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 a facts stated therein, and that sald report is true and correct. Executed this the Witness (if any) N LOG N x LOG Antilog Antilog Open Flow Nofd © 14.65 psia Deliverability Mcfd © 14.65 psia Deliverability Mcfd © 14.65 psia Open Flow Nofd © 14.65 psia Deliverability Mcfd © 14.65 psia Parcompany RECE Normany RECE	P _c)² =		_:	(P_)2	=	:					•		:				
Or (P _o) ² · (P _d) ² 2. P _o ² · P _o ² divided by: P _o ² · P _o ² Deliverability Part P _o ·	(P.)2. (F	D)2	/6) 12_ (P 12			II	Γ	ī			ı	٦٦		0	pen Flow	
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 a facts stated therein, and that sald report is true and correct. Executed this the 22nd day of December . 20 11	10		(, (, ,)			•	formula					n x L	.og	Antilog	,	- 1	
pen 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 a facts stated therein, and that sald report is true and correct. Executed this the 22nd day of December , 20 11 Witness (if any)	(P ₀)2 - (F	P ₄) ²					and divide	P _o ² - P	, 2 , ,			1	LJļ			- 1	
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 a facts stated therein, and that said report is true and correct. Executed this the 22nd day of December , 20 11 Witness (if any)			_				1			1				 			
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e facts stated therein, and that said report is true and correct. Executed this the 22nd day of December , 20 11 Witness (if any)	Open Flor	w				Mcfd @ 14.	65 psia		•	Deliverab	oitity			Mcfd @ 14.65 ps	ia		
Witness (if any) RECE	The u	unders	igned	d authority, o	on b	ehalf of the	Company, s	tates th	nat he	e is duly au	uthorized to	o make th	e above repo	rt and that he ha	as know	viedge of	
	e facts st	tated t	herei	n, and that s	ald	report is true	and correc	t. Exec	betu	this the 22	2nd	day of _D	ecember	··· · · · · · · · · · · · · · · · · ·	 .	20 11 .	
				Witness	lit no-	a)			-	_	7	~~~		Lun		RECEI	
For Commission Checked by				444U #\$\$, any	,,							⊸€ FOFC	verbania			
				For Com	missio	on			_	-			Chec	cked by		FEB-1	

• I decla	are under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	atus under Rule K.A.R. 82-3-304 on behalf of the operator Castelli Exploration, Inc.
	ne 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
	ent installation and/or upon type of completion or upon use being made of the gas well herein named. by request a one-year exemption from open flow testing for the Runnymeade E #1-15
	n 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
I furth	er agree to supply to the best of my ability any and all supporting documents deemed by Commission
	cessary to corroborate this claim for exemption from testing.
Date: <u>12/</u>	22/11
	Sizzadawa
	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.

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