KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

13

Type Test					(See Instruct	tions on Re	verse Side	e)					
Open Flow ✓ Deliverability					Test Date:					No. 15				
		iity			March 2	, 2014			150)33 2443 100(21.52 0	00			
Company Castelli Exploration, Inc.				Lease Merrill Ran			Ranch		41,040	Well Number 2-4				
County Location Comanche E/2 NW NW NW				Section 4		TWP 34S			W)	Acres Attributed				
Field Ham				Reservoir Mississi			Gas Ga Oneol		-	ection				
Completion Date 06/04/08				Plug Baci 4990	k Total Dept	h		Packer Set at			-			
Casing Size Weight 4 1/2" 105#				internal [Diameter	Set at 5095'		Perforations 4914		To 5016				
Tubing Size 2 3/8"			Weight N/A		Internal Diameter		Set at 4988'		Perforations		То			
Type Completion (Describe)				Type Flui	d Production				nit or Traveling	Plunger? Yes / No				
Single Gas Zone Perforation					Saltwater				<u>.</u>	ing Unit				
Producing Thru (Annulus / Tubing) Annulus				% Carbon Dioxide				% Nitrog	teu	Gas Gravity - G				
Vertical D		1)		-		Pres	sure Taps				(Meter F	Run) (Pro	over) Size	
Pressure	Buildu	р;	Shut in Mar	ch 2 2	0 14 at 8	:00	(AM) (PM)	Taken_M	arch 3	20	14 _{at} 8:00	····· (/	 AM) (PM)	
Well on L	ine;		Started								at			
	_			_		OBSERVE	D SURFAC	E DATA			Duration of Shut-i	n_24	Hours	
Static / Orific			Circle one: Meter	Pressure Differential	Flowing	Well Head	I Wollboad Proceure		Tubing Wellhead Pressure		Duration	Liquid Produced		
Property	Dynamic Size Property (inches		Prover Pressur psig (Pm)	l l	t temperature		(P _w) or (P _t) or (P _c)		(P _w) or (P ₁) or (P _c)		(Hours)		(Barrels)	
Shut-In			, ,				875	889.4	psig	psia	-			
Flow				_		_								
						FLOW STR	REAM ATTR	IBUTES						
Plate Coefficcient (F _b) (F _p)		Circle one: Meter or Prover Pressure		Press Extension	Grav Fac	tor	Flowing Temperature Factor	Fa	iation ictor	Metered Flov R (Mcfd)	w GOR (Cubic Fee Barrel)	et/	Flowing Fluid Gravity	
Mcfd			psla -			1	F _{II}	-	pv .	(MCIG)	- Ballely		G _m	
					/ODEN EL	OW) (DELIV	EDADII ITV	CALCUI	ATIONS		-			
(P _c) ² =		:	(P) ² =	:	P _d =	• •) CALCUL ² 14.4) +		:	(P _a) ² (P _d) ²	e 0.20 e =)7	
		-		Choose formula 1 or 2	<u> </u>		1	ssure Curve		<u> </u>	, a,		en Flow	
(P _c) ² - (I	P _a) ²	(F	°c)²- (P _w)²	1. P _c ² -P _a ² 2. P _c ² -P _c ²	LOG of formula 1, or 2.			- cr pe = "n"	n x	LOG	Antilog	Deliv	verability R x Antilog	
(P _c)²- (I	P _d) ²			livided by: $P_c^2 - P_w$	and divide	P _c ² -P _w ²		signed lard Slope					Mcfd)	
									:					
Open Flo	w			Mcfd @ 14	.65 psia		Deliverat	oility			Mcfd @ 14.65 psi	а		
		-	•		· •		•			•	ort and that he ha		•	
the facts s	tated t	herei	in, and that sa	id report is tru	e and correc			2nd	day of _	ecember /		,2	20 14 .	
			Witness (if	any)	KANSAS C	Received ORPORATION (OWWISSIOM	_1	h	S Car	Company			
					n	EC 3 1 2	2014 .			<u> </u>	•			
			For Commi	ssion	וט					Che	cked by			

CONSERVATION DIVISION WICHITA, KS

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Castelli Exploration, Inc.
	oing 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
	llation and/or upon type of completion or upon use being made of the gas well herein named. st a one-year exemption from open flow testing for the Merrill Ranch #2-4
	ounds that said well:
(Check	one)
	is a coalbed methane producer
H	is cycled on plunger lift due to water
Ħ	is a source of natural gas for injection into an oil reservoir undergoing ER
Π̈́	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: December 2	22, 2014
	Received Signature:
KANS	Title: President
	DEC 3 1 2014
C	CONSERVATION DIVISION WICHITA, KS
	YYIOTHO, IN

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.