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

Type Test	: en Flo	w					tions on Re	verse Side	•				
<b>√</b> De	liverab	ilty			Test Date Februar	o: y 8, 2014				No. 15 332005700(	00		
Company Castelli Exploration, Inc.			Lease Merrill Ranch			Ranch			C2	Well Number			
•			Locati C NE S		Section 33		TWP 33S			W)		Acres	Attributed
Field Ham			Reservoir <b>Mississ</b>			Gas Gathering Conne Oneok			ection				
07/08/03					Plug Bac 5120	k Total Dep	oth	Non		et at			
Casing Si 4.500	ze	Weight 10.50			Internal Diameter 4.062		Set at 5166		Perforations 4972		то 5014		
Tubing Si 2.375	ze	Weight 4.70		l	Internal Diameter 1.995		Set a 502		Perforations Open		То		
Type Con Single 2			<sup>escribe)</sup> s Perforatio	ons	Type Flui Water	d Production	n			it or Traveling ng Unit	Plunger? Yes	/ No	
Producing Annulus	•	(Anı	nulus / Tubing	))	% C	arbon Diox	ide		% Nitrog	en	Gas G	ravity -	G,
Vertical D	epth(H	H)				Pres	ssure Taps				(Meter	Run) (F	Prover) Size
Pressure	Buildu	ıp:	Shut in Feb	ruary 8 2	0_14_at_8	:00	. (AM) (PM)	Taken. Fe	bruary	9 20	14 at 8:00		(AM) (PM)
Well on L	ine:		Started	2	0 at		. (AM) (PM)	Taken		20	at	<u> </u>	(AM) (PM)
						OBSERV	ED SURFAC	E DATA			Duration of Shu	t-in	Hours
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H <sub>0</sub> 0	1 emperature lemperatur		(P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			poig (i iii)	IIIONOS TI <sub>2</sub> O			90	104.4	psig	psia		-	
Flow		_											
						FLOW ST	REAM ATTR	IBUTES			<del></del>		
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension √ P <sub>m</sub> x h	Factor		Temperature		viation Metered Flor actor R F <sub>pv</sub> (Mcfd)		y GOF (Cubic F Barre	eet/	Flowing Fluid Gravity G <sub>m</sub>
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P,,,)2 =	:	(OPEN FL		VERABILITY % (I	') CALCUL <sup>-</sup> c - 14.4) +		:	-	$)^2 = 0.$ $)^2 = \underline{}$	207
$(P_c)^2 - (1)^2$	P <sub>a</sub> ) <sup>2</sup>	(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide		Backpre Sto	ssure Curve pe = "n" - or signed	, n x i	.og	Antilog	De	Open Flow Diverability Is R x Antilog
	_			divided by: $P_c^2 - P_w^2$	by:	<u>'.</u> '*	Stand	lard Slope					(Mcfd)
							-						
Open Flow Mcfd @ 14.			65 psia Deliverability			oility	Mcfd @ 14.65 psia						
		-	•	n behalf of the						ecember	ort and that he h		wledge of
			· · · · · · · · · · · · · · · · · · ·		KANSAS	Receiv CORPORATION	<b>ved</b> ON COMMISSIO	on /	Phil	Du			
			Witness (			DEC 3_1	2014				Company cked by		

exempt status under and that the foregoir correct to the best of of equipment installa	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
gas well on the grou	
is is is is is is is is	a coalbed methane producer cycled on plunger lift due to water a source of natural gas for injection into an oil reservoir undergoing ER con vacuum at the present time; KCC approval Docket No control capable of producing at a daily rate in excess of 250 mcf/D cosupply to the best of my ability any and all supporting documents deemed by Commission of corroborate this claim for exemption from testing.
D	Received Signature:  Thu Cut  EC 3 1 2014  Title: President  SERVATION 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.