Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Tes	t:				(See Instruct	ions on Rev	rerse Side) ,	01/7	~ SOZ	~~	^^	
Open Flow				Test Date:				15-047-06803-0000						
✓ Deliverabilty				May 6, 2010			45047004330000 ??							
Company Castelli Exploration, Inc.				Lease Emma Smith			#			Well Number				
County Location Edwards NWSESW			Section 1		TWP 25S		RNG (E/W) 16W			Acres Attributed				
Field Wil			Reservoir Miss/K	, inderhool	k	Gas Gathering Connection Lumen Energy			ection					
Completion Date 1/21/57				Plug Bac	Plug Back Total Depth			Packer S	Set at					
Casing Size Weight 5 1/2"			Internal Diameter		Set at 4333'		Perforations 4230-34 4240-49		To 49 4253-	то 4253-60				
Tubing Size Weight 2 3/8"			Internal (Diameter	Set a	Set at Perforati		rations	То					
Type Cor			scribe) Zone Pe	rforations	Type Flui Conde	d Production)			nit or Traveling ing Unit	Plunger? Yes	/ No		
	_	(Annı	ulus / Tubing)	% C	arbon Dloxi	de		% Nitrog	jen	Gas G	ravity -	G,	
Annulu:	_					8	T				(9.1-1	D.:=\ (D	rover) Size	
vertical L	уөртл(т)				Pres	sure Taps				(Meter	Hun) (P	rover) Size	
Pressure	Buildu	o: S	hut in May	6 2	10 at 8	:00	(AM) (PM)	Taken_M	ay 7	20	10 at 8:00		(AM) (PM)	
Well on L	ine:	S	tarted	2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut	-ìn	Hours	
Static / Orifice Dynamic Size Property (inches)			Circle one: Meter Prover Pressu	1	Flowing Well Head Temperature t t		Casing Wellhoad Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure $(P_w) \text{ or } (P_t) \text{ or } (P_c)$		Duration (Hours)			
Shut-In			psig (Pm)	Inches H ₂ 0	`			psia 156.4	psig psia					
Flow		\dashv					142			 				
		l		_ L	1	FLOW STR	EAM ATTRI	BUTES						
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m xh	Extension Fac		Flowing emperature Factor F _r ,	ure Eactor		Metered Flow R (Mcfd)	y GOR (Cubic Fo Barrel	eeV	Flowing Fluid Gravity G _m	
													<u> </u>	
(P _c) ² =			(P _w) ² =		(OPEN FL	OW) (DELIVI	•				(P <u>.</u> (P _d) ² = 0.2	207	
(P _e) ² - (P _a) ² or (P _a) ² - (P _d) ²		(P _q) ² - (P _u) ²		1. P ² -P ² 2. P ² -P ² 2. P ² -P ² 2. P ² -P ² 3. Or 2. and divide		P.2. P.2	Backpres Slop 	(P _c - 14,4) + 14. ackpressure Curve Slope = "n" or Assigned		roe	Antilog	O Del Equals	Open Flow Deliverability Equals R x Antilog	
	\dashv			tivided by: P _c ² - P _g	2 by:	<u> </u>	Standa	ard Slope		L		-	(Mcfd)	
									 					
Open Flow Mcfd @ 14.65				65 psia	5 psia Delive			verability Mc			d @ 14.65 psia			
The	undersi	gned	authority, or	behalf of the	Company, s	itates that h	e is duly au			•	rt and that he h	as know	ledge of	
the facts s	itated th	erein	, and that sa	id report is tru		t. Executed	this the 10	Oth M	day of A	ugust .	(, , , ,	,	20 10 .	
			Witness (ii	any)	DEC	2 3 201	0 -		·	ForC	Company	-		
			For Comm	ssion						Chec	cked by			

KCC WICHITA

exempt status under Rule K.A.R. 82 and that the foregoing pressure in correct to the best of my knowledge of equipment installation and/or upon	ury under the laws of the state of Kansas that I am authorized to request 2-3-304 on behalf of the operator Castelli Exploration, Inc. formation and statements contained on this application form are true and and belief based upon available production summaries and lease records on type of completion or upon use being made of the gas well herein named. Emption from open flow testing for the Emma Smith #1
is a source of na is on vacuum at is not capable o	thane producer nger lift due to water atural gas for injection into an oil reservoir undergoing ER the present time; KCC approval Docket No If producing at a daily rate in excess of 250 mcf/D best of my ability any and all supporting documents deemed by Commission his claim for exemption from testing.
RECEIVED DEC 2 3 2010 KCC WICHITA	Signature: Cartana Title: President

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.