Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:					((See Instruc	tions on Re	everse Side	e)					
	en Flo					Test Date	⊕:		•	API	No. 15				
De	liverab	ilty				10-25-2	_				7-20752-00-	00			
Company Ritchie E		atio	n, Inc.					Lease Derstei	n 10BC			#1	Well Nu	ımber	
County Ford	•			Location 50' N & 110' W of SW NW			ı	TWP 28		RNG (E/W) 22W			Acres Attributed 640		
Field Wildcat					Reservoir Huck &	r Mississipp	ian	Gas Gathering Conne Superior Pipeline			ection				
Completic		e				Plug Bac 5171'	k Total Dept	th	į	Packer S	Set at				
Casing S 5.50"	ize		Weight 15.5#			Internal [4.95"	Diameter	Set at 5197'		Perforations 4986'		то 5054'	то 5054'		
Tubing Si 2.875"	ize	-	Weight 6.5#			Internal [2.441"	Diameter	Set at 5038'		Perforations		То	То		
Type Con				s +	oib		d Production		 D	Pump Ur Yes	nit or Traveling	Plunger? Yes	/ No		
Commingled (Gas + Oil) Producing Three Annulus / Tubing)			% C	de	% Nitrogen		leu	Gas Gravity - G							
Annulus				0.122				17.13	6	0.6968					
Vertical Depth(H) 5200'					Pressure Taps Flange						(Meter 3.068		rover) Size		
Pressure	Buildu	١.			2			(AM) (PM) Taken		20 .		at	at (AM) (F		
Well on L	ine:		Started 10)-25	2	o <u>15</u> at <u>1</u>	:00 PM	(AM) (PM)	Taken		20	at		(AM) (PM)	
							OBSERVE	D SURFAC	E DATA			Duration of Shut	-in	Hours	
Static / Dynamic			Circle one: Meter Prover Pressure		Pressure Differential in	lemperature lemperati		Casing Wellhead Pressure (P _w) or (P _c)		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c)		Duration (Hours)		Liquid Produced (Barrels)	
Property	(inch	psig (Pm)			Inches H ₂ 0	t	t t	psig psia		psig psia		,,			
Shut-In								200	210	60	63	24			
Flow							,						\perp		
						<u>, </u>	FLOW STR	EAM ATTE	BUTES			<u> </u>			
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Eutopoion		vity T	emperature Fa		viation Metered Flow actor R F _{pv} (Mcfd)		v GOR (Cubic Fo Barrel	eet/	Flowing Fluid Gravity G _m	
							.								
/D \2			/D \2			•	OW) (DELIV		•) ² = 0.2	07	
(P _c) ² =			(P _w) ²	Cho	ose formula 1 or 2	$P_d = $	 ^	T	C - 14.4) +			(P _d ,) ² =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$:	1. P _c ² -P _a ² LOG of formula 2. P _c ² -P _c ² 1. or 2. and divid by:		P _c ² - P _w ²	Slo As	Backpressure Curve Slope = "n" or Assigned Standard Slope		LOG	Antilog	Det Equals	Open Flow Detiverability Equals R x Antilog (Mcfd)	
					w		1								
							 	<u> </u>							
Open Flor	W				Mcfd @ 14.	65 psia		Deliverat	oility			Mcfd @ 14.65 ps	ia	_	
		-	-			, ,	•				ovember	rt and that he ha			
ine tacts s'	iated th	nerei	n, and that	said	report is true	and correct	t. Executed	this the	<u>) - 1</u>	day of 🔼	CN V		——·	20 <u>15 </u>	
			Witness	(if any	')		KCC W	/IC : :: ;	 	MAYA		Company	, • v	1	
			For Con	missio	n		1	8 2015			Chec	Ked by			
							RECE	EIVED			•				

	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 Ritchie Exploration, Inc.
	going pressure information and statements contained on this application form are true and
correct to the bes	st of my knowledge and belief based upon available production summaries and lease records
of equipment inst	tallation and/or upon type of completion or upon use being made of the gas well herein named.
l hereby requ	uest a one-year exemption from open flow testing for the
	rounds that said well:
(Checi	k one)
	is a coalbed methane producer
	is cycled on plunger lift due to water
<u></u>	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
\checkmark	is not capable of producing at a daily rate in excess of 250 mcf/D
I further agre	ee to supply to the best of my ability any and all supporting documents deemed by Commission
_	ry to corroborate this claim for exemption from testing.
stall as necessal	ry to corroborate this claim for exemption from testing.
Date: 11-11-201	<u>5</u>
	KCC WICHITA Signature:
	Title Production/Development Geologist
	KCC WICHIIA

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.