KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side)

Type Test	t;					(See Instruc	tions on Re	everse Sic	le)						
Op	en Flo	W				Tool Date				ADU	4- 4-					
De	liverab	ilty				Test Date 10-29-2					No. 15 20752-00-	00				
Company Ritchie E		ation,	Inc.					Lease Derstei	n 10BC				#1	Well Nu	ımber	
County Ford			Location 50' N & 110' W of SW NW			Section 10		TWP 28		RNG (E/W) 22W			Acres Attributed 640			
Field Wildcat				Reservoir Huck & Mississippian				Gas Gath Superior								
Completic		е				Plug Bac 5171'	k Total Dep	th		Packer Se	et at			-		
Casing Size 5.50"			Weight 15.5#			Internal E 4.95"	Diameter	Set at 5197'		Perfora 4986		то 5054'				
Tubing Size 2.875"			Weight 6.5#			Internal E 2.441"	Diameter	Set at 5038'		Perforations			То			
Type Con	npletion	ı (Des	cribe)				d Productio		 D	Pump Uni Yes	t or Traveling	g Plunger	? Yes	/ No		
Producing Thru (Annulus / Tubing)			% Carbon Dioxide 0.122				% Nitrogen 17.136			Gas Gravity - G						
Annulus Vertical Depth(H) 5200'						0.122	sure Taps					(Meter Run) (Prover) Size				
Pressure	Builder	n: Sh	aut in _1	0-29		0_14_at_1	.00 DM		Taken		20	at		Kq_	SAS COMPC	
Well on Line:			arted _1	0-30							20			Desarra		
					_		OBSERVE	D SURFAC	E DATA			Duration	of Shut-	in	RVATION OUT	
Static / Dynamic Property	ynamic Size		Circle one: Meter Prover Pressure		Pressure Differential in	Flowing Well He Temperature t		Wellhead Pressure (P_w) or (P_1) or (P_c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)		in <u>VIIO TO</u> lours Liquid Produced (Barrels)		
Shut-In			psig (Pr	'''	Inches H ₂ 0			210	219	psig 60	63	24				
Flow																
	. ,						FLOW ST	REAM ATT	BUTES							
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psla		,	Press Extension ✓ P _m xh	Grav Fac F _g	or Temperature		F	viation actor F _{pv}	Metered Flo R (Mcfd)		GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G _m	
						•	OW) (DELIV		•					²= 0.2	[] 07	
$\frac{(P_c)^2 = \frac{(P_c)^2 - (P_o)^2}{(P_c)^2 - (P_d)^2}}{(P_c)^2 - (P_d)^2}$		(P _c) ² - (P _w) ²		Cho	; ose formula 1 or 2: 1. P _c ² - P _d ² 2. P _c ² - P _d ² led by: P _c ² - P _w ²	LOG of formula 1, or 2. and divide	P _c ² -P _w ²	Backpressure C Slope = "n"			og []	Ant	(P _d)²		Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flor	w			<u></u>	Mcfd @ 14.	65 psia		Deliveral	oility			Mcfd @	14.65 psi	ia		
		_	-		ehalf of the	- •		-		to make the	*	ort and th	nat he ha		ledge of 20 14 .	
		. <u> </u>	Witnes	s (if any	<i>y</i>)					<u></u>	For	Company	<u> </u>			
			For Co	mmissio	n ne	. <u></u>					Che	cked by				
											\					

	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
of equipment inst	allation and/or upon type of completion or upon use being made of the gas well herein named. est a one-year exemption from open flow testing for the Derstein 10BC #1
	rounds that said well:
_	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 e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
Date: <u>11-20-201</u>	Signatures KANSAS CORPORATION COM CONSERVATION DIVISION Title: Production Manager

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.