KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:					(See Instr	ructions or	n Rev	verse Side))						
Op-	en Flov	N				. Test Date	ı <i>,</i>				ΔPI	No. 15					
Del	iverabi	ilty				10-29-20						7-20596-00-	00				
Company Ritchie E	xplora	ation	ı, Inc.					Leas O' S		n-Hill Tru:	st		#		Vell Nu	nber	
County Location Ford 30' N & 170' E of E/2 E/2 NE			Section 2	-	TWF 28	•		RNG (E 23W	W)		Acres Attributed 640						
				Reservoir Mississippian				Gas Gathering Connection Superior Pipeline									
Completic 07-12-10		е				Plug Baci 5164'	k Total D	epth			Packer S	Set at					
Casing Si 4.50"	ZĐ		Weig 10.5		-	Internal E 4.052"	Diameter		Set a 5199		Perfo 505	rations 4'		то 5068'			
Tubing Si 2.375"	ze		Weig 4.7#			Internal E 1.995"	Diameter		Set at 5110'			Perforations					
Type Com New	pletion	ı (De	escribe)			Type Flui 2.62 ba		tion /ater per	r day	y	Pump U	nit or Traveling	g Plunger?	Yes	/ No		
Producing		(Ann	ulus / Tubir	ng)		% C	arbon Di	ebixo			% Nitrog	•		ias Gra	wity - G	g	
Vertical D	epth(H)					Pr	essure Ta	ps				- (N	Aeter H	lun) (Pr	over) Siz	е
5200'								ange						.068			
Pressure	Buildu		onut in	-29	2	0 14 at 0	9:00 AN	<u>Л</u> (АМ) ((PM)	Taken		20	at		(AM) (PM)	
Wéll on Li	ne:		Started 10	-30	20	0 14 at 0	9.00 AN	(AM) ((PM)	Taken		20	at		(4M) (PM))
							OBSER	VED SUR	FACE	E DATA			Duration of	Shut-i	n	Но	urs
Static / Dynamic Property	Orifii Sizi (inchi	е	Circle and Meter Prover Press	sure	Pressure Differential in	Flowing Temperature t	Well Hea Temperate	Well		ling Pressure (1) or (P _e)	Wellhe	Tubing ead Pressure r (P _t) or (P _e)	Duratio (Hours	n KANS/	Liqu∏R SCOR¶E	errelada O Nosleare	COMMISSION
Shut-In			psig (Pm))	Inches H ₂ 0			130		psla 136	psig 160	psia 167	24		I	012	
Flow					_									CO	NSERV WIC	ATION DIV	'ISIDN
_							FLOW S	TREAM A	ATTR	IBUTES						70	
Plate Coeffiecient (F _b) (F _p) Mofd		Circle one: Meter or Prover Pressure psia			Press Extension P _m x h	Grav Faci F ₄	tor	Flowin Tempera Facto F _{ft}	ture	Fa	viation actor _{pv}	Metered Flo R (Mcfd)	v GOR (Cubic Feet Barrel)		et/	Flowing Fluid Gravity G _m	
(P _c) ² =			(P _w) ²	_		(OPEN FLO		LIVERABI) CALCUL 2 - 14.4) +				(P _a)² (P _d)²	= 0.20)7	
(P _o) ² - (F	•]	(P	(P _w) ² - (P _w) ²	Cho	ose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ ded by: $P_c^2 - P_a^2$	LOG of formula 1, or 2, and divide		Ba	sckpre: Slop 	ssure Curve pe = "n" - or	, n x	LOG	Antilog		Op Deli Equals	en Flow verability R x Antili Mcfd)	og
																	4
Open Flor	<u> </u>				Mcfd @ 14.	65 psia		Deliv	verab	oility			Mcfd @ 14.	.65 psia	a.		
		iana	l authorite	or t			etatos 45-				to make #	he above to-				ledge of	
		-	•		report is true				-		_	lovember	ort and that	ne na:		14 <u>14</u>	
			Witness	(if an	у)			_	-	_			Company				_
			For Corr	ımlasi	on			_	-		Tahe	E CX	PTO-44 ecked by	7)	1 4	wc_	· <u> </u>

		under the laws of the state		•					
exempt status unde	r Rule K.A.R. 82-3-	304 on behalf of the operator	Ritchie Exploration	ı, Inc.					
and that the forego	ing pressure inforn	nation and statements cont	ained on this applica	ation form are true and					
correct to the best o	of my knowledge an	nd belief based upon availab	le production summa	aries and lease records					
• •		ype of completion or upon us	_	_					
I hereby reques	st a one-year exemp	ption from open flow testing	for the O' Slash-Hill	Trust #1					
gas well on the grou	unds that said well:								
(Charles									
(Check o	·	ne producer							
<u> </u>	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								
		oducing at a daily rate in ex							
<u> </u>	is not oupuble of pr	oddowig at a daily rate in ox	0000 01 200 11101/B						
I further agree	to supply to the bes	st of my ability any and all s	upporting document	s deemed by Commission					
_		claim for exemption from te		·					
				_					
Date: 11-20-2014				Received KANSAS CORPORATION COMMISS					
				DEC 0 1 2011					
			_	CONSERVATION DIVIS					
				WICHITA, KS					
		() =							
		Signature:							
		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.