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

Type Tes	it:				+	See Ins	struci	tions on Re	verse Side	9)					
O <sub>f</sub>	pen Flo	W			Test Date	,				ΔDI	No. 15				
De	eliverab	ilty			10-22-2						·20596-00-	00			
Company Ritchie I		ation	n, Inc.			***		Lease O' Slasi	n-Hill Tru	st		#1	Well N	lumber	
County Location Ford 30' N & 170' E of E/2 E/2 NE				Section 2				TWP 28		W)		Acres Attribute 640			
Field Steel						Reservoir Mississippian				Gas Gath Superio	ection				
Completion Date 07-12-10					Plug Back Total Depth 5164'				Packer S						
Casing Size Weight 4.50" 10.5#				Internal ( 4.052"	Internal Diameter 4.052"			Set at 5199'		ations	то 5068'				
Tubing Size Weight 2.375" 4.7#				Internal Diameter 1.995"			Set at 5110'		Perforations		То				
Type Completion (Describe) New					Type Fluid Production 2.62 barrels water per day					Pump Unit or Traveling Plunger? Yes / No Yes					
Producing	g Thru	(Anr	rulus / Tubi	ng)		% Carbon Dioxide				% Nitroge	en	Gas G	Gas Gravity - G		
Annulus					0.14	0.14				10.274		0.672			
Vertical Depth(H) 5200'						Pressure Taps Flange						(Meter 3.06		Prover) Size	
Pressure	Buildu											at (			
Well on Line: Started 10-22 20			o <u>15</u> at <u>0</u>	15 at 09:00 AM			(AM) (PM) Taken		20	at (A		(AM) (PM)			
	•					OBSE	RVE	D SURFAC	E DATA		_	Duration of Shu	t-in	Hou	
Static / Dynamic Property	Orifice Meter Different Size Prover Pressure in		Differential in	Flowing Well He Temperature t			Cas Wellhead (P <sub>w</sub> ) or (P	Pressure	Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In	_	_	psig (Pm) Inches H <sub>2</sub> 0			psig psia 140 147		psig 140	psla 147	24					
Flow				_		-				<u> </u>	<del> </del>			<del></del>	
						FLOW	STR	EAM ATTR	IBUTES						
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension √ P <sub>m</sub> x h	Extension Faci		tor Temperatur		Deviation Factor F <sub>pv</sub>		Metered Fto R (Mcfd)	W GOR (Cubic F Barre	eet/	Flowing Fluid Gravity G <sub>a</sub>	
					(OPEN EL	י ראיי	ELIV	ERABILITY)	CALCUL	ATIONS					
(P <sub>c</sub> ) <sup>2</sup> =		<u>_:</u> _	(P <sub>w</sub> ) <sup>2</sup>	=:	P <sub>o</sub> =		9	•	) - 14.4) +		<u></u> :		) <sup>2</sup> = 0. ) <sup>2</sup> =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$				Choose tormula 1 or 2.  1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup>	LOG of formula 1, or 2, and divide	P <sub>c</sub> <sup>2</sup> - P,	2 w	Backpressure Curve Slope = "n" or Assigned Standard Slope		n x 1.0G		Antilog	De	Open Flow Deliverability Equals R x Antilog (Mcfd)	
					<u> </u>			<u> </u>	***				<u></u>		
Open Flor				Mcfd @ 14.				Deliverab		l the		Mcfd @ 14.65 ps			
		•	•	on behalf of the said report is true				•		о таке the day of <u>No</u>	•	ort and that he h		20 <u>15</u>	
						KCC	<u>2</u> v	VIÇH!	His	in	Mar	dito	In	·C	
			Witness	(if any)				6 2015_		$\Box A$	For	Company	,-		
			For Com	missian				EIVED		7	Che	ckeu by			
						1,	-	<b>'ニ!Vヒニ[</b> ]		<i>\</i>					

	nder the laws of the state of Kansas that I am authorized to request 4 on behalf of the operator Ritchie Exploration, Inc.
	tion and statements contained on this application form are true and
correct to the best of my knowledge and b	belief based upon available production summaries and lease records
	on from open flow testing for the O' Slash-Hill Trust #1
gas well on the grounds that said well:	
is on vacuum at the pri	•
I further agree to supply to the best of staff as necessary to corroborate this cla	of my ability any and all supporting documents deemed by Commission aim for exemption from testing.
Date: 11-11-2015	
KCC WICHITA NOV 1 6 2015 RECEIVED	Signature:  Title: Production/Development Geologist

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.