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

Type Test	t:					(	See Instruc	tions on Re	verse Side	9)				
Open Flow							ADI No. 45							
Deliverabilty					Test Date 10-23-2			API No. 15 057-20751-00-00						
Company Lease Well Number Ritchie Exploration, Inc. Pinkney-Rohr #1										ımber				
County Location Ford 110' N & 83' E of W/2 E/2 NE			Section 6		TWP 28		RNG (E/W) 22W			Acres Attributed 640				
Field Lamb No	orthwe	est				Reservoi Mississi					rering Conn	ection		
Completion Date Plug Back Total Depth Packer Set at 11-07-11 5098'														
Casing Size Weight 4.50" 10.5#			Internal E 4.052"	Diameter	Set at 5161'		Perforations 5022'		To 5038.	To 5038.5'				
Tubing Si 2.375"	Tubing Size Weight				Internal [ 1.995"	Diameter	Set at 5079'		Perforations		То	То		
Type Con New	npletior	ı (Des	scribe)	-			d Production	n ter per da	 y	Pump Un Yes	it or Traveling	Plunger? Yes	/ No	
Producing	_	(Annu	ılus / Tub	ing)	· - N=		arbon Dioxi	ide			en		Gas Gravity - G <sub>g</sub>	
Annulus						0.17			9.691			0.6638 (Meter Run) (Prover) Size		
Vertical D 5170'	epth(H	1)					Pres Flan	sure Taps				(Meter ) 3.068		rover) Size
			10	1-22		15 1		_		<u> </u>				
Pressure	Buildu		hut in		2	0.15 at_1	4-00 614	(AM) (PM)	Taken		20	at	(	(AM) (PM)
Well on L	.ine:	S	tarted 10	)-23	2	0 15 at 1	1:00 AW	(AM) (PM)	Taken		20	at	(	(AM) (PM)
							OBSERVE	D SURFAC	E DATA_			Duration of Shut-	·in	Hours
Static / Dynamic	namic Size Prover Pressure		Pressure Differential In	I Flowing I Well		Wellhead Pressure		Tubing Welihead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	-	Liquid Produced (Barrels)		
Property	Property (inches		psig (Pn		Inches H <sub>2</sub> 0	t	t	psig psia		psig psia		() 100.0y	,,,,,,	
Shut-In								350	368	35	37	24		
Flow														
<u></u>							FLOW STE	.! REAM ATTR	IBUTES		<u> </u>			
Plate		c	ircle one:	Т	Press	<u> </u>	<u> </u>	Flowing						Flowing
Coeffiecient		Meter or Prover Pressure psia			Extension  P <sub>m</sub> x h	Gravity Factor		Temperature Fa		viation Metered Flow actor R F <sub>pv</sub> (Mcfd)		W GOR (Cubic Feet/ Barrel)		Fluid Gravity G <sub>m</sub>
					_	1	l .							
								ERABILITY					²= 0.2	:07
(P <sub>c</sub> ) <sup>2</sup> =		_ :	(P <sub>w</sub> ) <sup>2</sup>	_	so formula 1 or 2.		<del></del>		' <sub>c</sub> - 14,4) +	T T	<del></del> :_	(P <sub>d</sub> )	<u>'=</u>	
(P <sub>c</sub> ) <sup>2</sup> - (F or (P <sub>c</sub> ) <sup>2</sup> - (F		(P <sub>c</sub> )	)² - (P <sub>w</sub> )²	2	1. P <sub>c</sub> <sup>2</sup> - P <sub>s</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>c</sub> <sup>2</sup> ed by: P <sub>c</sub> <sup>2</sup> - P <sub>c</sub> <sup>2</sup>	LOG of formula 1, or 2. and divide	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Slop As:	ssure Curve be = "n" - or signed ard Slope	n x L	og [ ]	Antilog	Del Equals	pen Flow iverability is R x Antilog (Mcfd)
					w									
							· ·							
Open Flor	w				Mcfd @ 14.	65 psia		Deliverab	ility		·	Mcfd @ 14.65 ps	a	
		-	-		ehalf of the report is true	• •	1	-		o make the	•	ort and that he ha		ledge of 20 <u>15</u> .
14010 0	11		,					_	B-7 '	\.\n\.		/-	T.,	
			Witnes	s (if any	·)	¥	CCC N		1 1 see	713	X 13	Company )	<u> 171</u>	
			For Co	nmissio	n		NOV-1	o Zuio -		+	Che	cked by		
							REC	:FIVED		- 1				

KCC WICHITA Signature:  NOV 1 6 2015  Title: Production/Development Geologist		
exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Ritchie Exploration, Inc.  and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.  Thereby request a one-year exemption from open flow testing for the Pinkney-Rohr #1  gas well on the grounds that said well:  (Check one)  (Check one)  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.  If urther agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.  CCC WICHITA  Signature:  Production/Development Geologist		
(Check one)  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  I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.  Date: 11-11-2015  KCC WICHITA  Signature:  Production/Development Geologist	exempt status under Rule K.A.R. 82-3-304 and that the foregoing pressure information correct to the best of my knowledge and be of equipment installation and/or upon type of the latest the property of the p	on behalf of the operator Ritchie Exploration, Inc. on and statements contained on this application form are true and elief based upon available production summaries and lease records of completion or upon use being made of the gas well herein named.
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  I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.  Date: 11-11-2015  KCC WICHITA Signature: Production/Development Geologist  Title: Production/Development Geologist	gas well on the grounds that said well:	
Staff as necessary to corroborate this claim for exemption from testing.  Date: 11-11-2015  KCC WICHITA Signature: Production/Development Geologist	is a coalbed methane p is cycled on plunger lift is a source of natural ga is on vacuum at the pre	due to water as for injection into an oil reservoir undergoing ER sent time; KCC approval Docket No.
Date: 11-11-2015  KCC WICHITA Signature: Production/Development Geologist	I further agree to supply to the best of	my ability any and all supporting documents deemed by Commission
KCC WICHITA Signature:  NOV 1 6 2015  Title: Production/Development Geologist	staff as necessary to corroborate this clair	n for exemption from testing.
N_X Last		Signature:  Title: Production/Development Geologist
		I I

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.