## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test:			(	See Instruc	tions on Re	everse Side	e).				
Open Flow			T D-1-	Test Date: API No. 15							
Deliverabilt	eliverabilty			10/2/15				57-20902-0	0-01		
Company Ritchie Exploration, Inc.			Lease Blew			Well Number #1					
County Location Ford SW NE SW NW			Section 11	-	TWP 28S	• •		V)	Acres Attributed		
Field Wildcat			Reservoir Morrow			Gas Gathering Connection Superior Pipeline					
Completion Date 07/16/13			Plug Back Total Depth 5111			Packer Se	et at				
Casing Size ·:, 5.50	e · Weight 15.50			Internal Diameter 4.950		Set at 5207		Perforations 5064		то 5071	
Tubing Size 2.875	Weight 6.40	Internal Diameter 2.441		Set at 5072		Perforations		То	То		
Type Completion (Describe) Gas			Type Fluid Production Water				Pump Unit or Traveling Plunger? Yes / No				
Producing Thru (Annulus / Tubing) Tubing			% c	% Carbon Dioxide			% Nitrogen 33.177		Gas Gr .743	Gas Gravity - G <sub>g</sub>	
Vertical Depth(H) 5068			Pressure Taps Flange							Run) (Prover) Size	
Pressure Buildup:	Shut in	15 at 8:	15 at 8:30 AM (AM) (PM) Taken_				20 .				
Well on Line:	Started 10/2	20	15 at 8:	:30 AM	(AM) (PM)	Taken		20 .	at	(AM) (PM)	
	·			OBSERVE	D SURFAC	E DATA		I	Duration of Shut-	inHou	
Dynamic Size	ynamic Size Prover Pressure in		Flowing Well Head Temperature t t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	paig (Fili)	mones ri <sub>2</sub> 0			psig 0	psia O	psig 10	psia 11	E		
Flow			·								
<u> </u>				FLOW STR	REAM ATT	RIBUTES	•	1 - 1	-	<u>.                                      </u>	
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mofd	Circle one:  Mater or  Prover Pressure psla  Press Extension  Factor  F <sub>g</sub>		or	Flowing Temperature Factor Factor Fit		ctor	Metered Flow R (( (Mcfd)		Flowing Fluid Gravity G <sub>m</sub>		
			•	OW) (DELIV		*				<sup>2</sup> = 0.207	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		LOG of formula 1, or 2, and divide by:		Backpressure Curve Stope = "n"		e n x LOG		Antiiou i	Open Flow Deliverability Equals R x Antilog (Mcfd)		
	-				<u> </u>		-				
Open Flow	···································	Mcfd @ 14.6	5 psia_		Deliveral	bility			1cfd @ 14.65 psi	a	
The undersign	ned authority, on	behalf of the	Company, s	tates that h	e is duly a				and that he ha	s knowledge of	
the facts stated the	rein, and that said	I report is true		t. Executed Receives CORPORATI	ved <	$\overline{}$	day of Oc	tober	)—	, <sub>20</sub> <u>15</u>	
	Witness (if a	ny)	RANSA	<del> </del>	4 2015	<u> </u>	Eme	Hydro)	ATU I	<u>، د ,                                   </u>	
	For Commiss	ilon	C	ONSERVATIO WICHITA	N'DIVISION A, KS			Check	ed by		

exempt status under Rule K.A.R. 82-3-304 and that the foregoing pressure informati correct to the best of my knowledge and b of equipment installation and/or upon type	der the laws of the state of Kansas that I am authorized to request on behalf of the operator Ritchie Exploration, Inc.  ion and statements contained on this application form are true and relief based upon available production summaries and lease records of completion or upon use being made of the gas well herein named. In from open flow testing for the Blew #1
is on vacuum at the pre	it due to water  gas for injection into an oil reservoir undergoing ER  esent time; KCC approval Docket No  ucing at a daily rate in excess of 250 mcf/D  f my ability any and all supporting documents deemed by Commission
Received Received CONSERVATION DIVISION WICHITA, KS	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.