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

Type Test				(	See Instruct	ions on He	verse Side	?)				
	en Flow liverabilty			Test Date					No. 15	00		
Company		an Inc		11-05-2	U14	Lease Brown 3	RAR	057-	-20715-00-		W-	ell Number
County Ford	xpioralic	Locat	ion 10' E of NW NW	Section 3		TWP 28		RNG (E/V	V)			cres Attributed
Field Ford		10 3 4 4		Reservoir Mississi				Gas Gath	ering Conn	ection		<del>10</del>
Completic 03-01-11					k Total Dept	h		Packer Se	<u>'</u>	<del>.</del>		
Casing Si 4.50"		Weigh 10.5#		Internal E 4.052"	Diameter	Set a 514		Perfora			то 5005'	
Tubing Si 2.375"	ze	Weigh 4.7#		Internal E 1.995"	Diameter	Set at 4972'		Perforations			Го	
Type Con New	pletion (D			Type Flui	d Production arrels wat	1		Pump Uni No	t or Traveling	g Plunger?	Yes /	No
-	Thru (Ar	nulus / Tubin	g)		arbon Dioxi	de	<u>-</u>	% Nitroge			Gas Grav	ity - G <sub>g</sub>
Tubing Vertical D	enth/U\			0.111	Proc	sure Taps				0.7024 Meter Bu	ın) (Prover) Size	
5151'					Flan	•					3.068"	inj (Frover) Size
Pressure	•	Shut in11-		0_14 at_9		(AM) (PM)	Taken		20	at		(AM) (PM)
Well on L	ine:	Started 11-	.062	o <u>14</u> at 9:	:UU AM	(AM) (PM)	Taken		20	at		(AM) (PM)
		1 ~ .			OBSERVE	D SURFAC		1		Duration of	of Shut-in	Hours
Static / Dynamic Property	ynamic Size Prover Pressure		1	Flowing Temperature t	Well Head Temperature t	(P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Durati (Hour	on (s)	HOURS  ANSASSO PROPOSED IN COMMENT OF COMMEN
Shut-In		head (1 m)	11141103 1120			150	psia 156	200	209	24	$c_{\phi_i}$	OFC 1 20
Flow												NSERWATION DIVISIO
	1			<u> </u>	FLOW STR	EAM ATTR	IBUTES					·
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ent	Circle one: Meter or rover Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Grav Faci F	tor 1	Flowing femperature Factor F <sub>ft</sub>	Fa	iation ctor - py	Metered Flo R (Mcfd)		GOR Cubic Feet/ Barrel)	Flowing Fluid Gravity G <sub>m</sub>
(P <sub>c</sub> )² =	:	(P <sub>w</sub> ) <sup>2</sup> =	<u> </u> =:	(OPEN FLO	OW) (DELIV		) CALCUL ; - 14.4) +		:	<u> </u>	(P <sub>a</sub> ) <sup>2</sup> = (P <sub>d</sub> ) <sup>2</sup> =	
(P <sub>o</sub> ) <sup>2</sup> - (F or (P <sub>o</sub> ) <sup>2</sup> - (F		P <sub>c</sub> )²- (P <sub>w</sub> )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>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>d</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	ssure Curve pe = "n" - or signed lard Slope	n x 1.6	og [	Antilo	og I	Open Flow Deliverability Equals R x Antilog (Mofd)
				<u> </u>			<u> </u>				$\dashv$	
Open Flor	v .		Mcfd @ 14	65 psia		Deliverab	oility			Mcfd @ 14	1.65 psia	
	_	•	n behalf of the			· ·			· ·	ort and tha	t he has	knowledge of
ne facts si	tated there	ein, and that s	aid report is true	and correc	t. Executed	this the 20	Uth //	day of No	veriber	10/-	rat.	20 <u>14</u> / Zvz
		Witness (	(if any)			-	14	7240	En ()	Sompany	ns el	402
								\				

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request 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. I hereby request a one-year exemption from open flow testing for the Brown 3AB #1  gas well on the grounds that said well:  (Check one)  is a coalbed methane producer  is a coalbed methane producer  is a coalbed 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.  vising in or capable of producing at a daily rate in excess of 250 mct/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: 11-20-2014  **Notice Replace I and the importance of the production Manager*  **Title: Production Manager*					
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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: 11-20-2014    Makes correction of the content of the conte	gas well on the gr	ounds that said well:			
Signature:	☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐	is a coalbed methane is cycled on plunger lift is a source of natural of is on vacuum at the project is not capable of produce to supply to the best of	ft due to water gas for injection into an oi esent time; KCC approval ucing at a daily rate in exe of my ability any and all su	Docket No cess of 250 mcf/D apporting documents de	
	Date: 11-20-201	4	_	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.