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

Type Test:	:				(	See Instru	uctions	on Re	verse Side	∌)						
	en Flow liverabil				Test Date 4-4-14	9:					1 No. 15 1-20,826 <del>-</del>	. በብሳ	a			
Company W.R. W		s, Inc.		-	4-4-14	<del>-</del> -		ease luss			1-20,020	-		Well Nu	ımber	
County Location Greeley 412 FNL & 1155 FEL			Section TWP 24 195								Acres Attributed 320					
Field Bradshaw			Reservoir Towanda/Fort Riley				Gas Gathering Connection Duke Energy				•					
Completion Date 06-20-05			Plug Back Total Depth 2934					Packer	Set at			-1				
Casing Siz			ght ì		Internal I 4.052		Set a 293		Perfo 287	orations '4		то 2905				
Tubing Siz 2.375			ight		Internal Diameter 1.995			Set at 2923		Perfo	orations	То				
Type Com Single G		(Describe)			Type Flui Water	d Product	ion			Pump U Pump	nit or Traveling Unit	Piun	ger? Yes	/ No		
Producing Annulus	•	(Annulus / Tub	ng)		% C	Carbon Dic	oxide			% Nitro	gen		Gas Gr	avity - (	G <sub>e</sub>	
Vertical Do	epth(H)	1				Pre	essure	Taps						Run) (P	rover) Size	
	Buildup	: Shut in 4	1	2	14 at 9	:30 AM	(AM	 1) (PM)	Taken 4	4	20	14	9:30 A	М	(AM) (PM)	
Well on Li	ine:	Started		20	) at		(AM	l) (PM)	Taken		20		at		(AM) (PM)	
						OBSERV	/ED SI	URFAC	E DATA			Dura	tion of Shut-	<sub>in</sub> 72	Hours	
Static / Dynamic Property	Orific Size (inche	e Meter Prover Pres	Circle one:  Meter  Prover Pressure  psig (Pm)		Flowing Temperature t	Well Head Temperatu t	re (F	Casing Wellhead Pressure (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> )		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In				Inches H <sub>2</sub> 0		-		psig 9.0	psia 113.4	psig	psia	72				
Flow													••			
						FLOW ST	TREAM	ATTR	IBUTES		<del>, =</del>	· .				
Plate Coeffiscient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter or  Prover Pressure  psia		Press Grav Extension Fac  ✓ P <sub>m</sub> xh F		tor	Tempe Fac	nperature Fa		viation Metered Flov actor R F <sub>pv</sub> (Mcfd)		w GOR (Cubic Fee Barrel)		et/	Flowing Fluid Gravity G <sub>m</sub>	
		<del></del>			(OPEN FL	OW) (DEL	IVERA	.BILITY	) CALCUL	.ATIONS	<u> </u>		(P ):	²= 0.2	207	
(P <sub>c</sub> ) <sup>2</sup> =		.: (P <sub>w</sub> ) <sup>2</sup>	=	:	$P_d =$		_%	(F	P <sub>c</sub> - 14.4) +	14.4 = _	:		(P <sub>a</sub> )		<del></del>	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		ase formula 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> ted by: P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide by:	formuta 1. or 2.  and divide   p 2 _ p 2		Backpressure Cun Slope = "n" or Assigned Standard Slope		n x LOG			Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
						-										
Open Flow				Mcfd @ 14.	SE nois			eliverab	nilita s			Nactor 1	@ 14.05 ×=-1			
•							•		<del></del>				@ 14.65 psi		-	
		ned authority, erein, and that								o make t day of <u></u>		ort and	d that he ha		ledge of 20 <u>14 .</u> .	
										e Dani			K		WICHI	
		Witnes	s (if an	y)				-				Compan	у	_	1 7 2014	
		For Co.	nmissio	on							Che	cked by			ECEIVED	

	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request							
	t status under Rule K.A.R. 82-3-304 on behalf of the operator W.R. Williams, Inc.							
	at the foregoing pressure information and statements contained on this application form are true and							
	to the best of my knowledge and belief based upon available production summaries and lease records							
•	pment installation and/or upon type of completion or upon use being made of the gas well herein named. ereby request a one-year exemption from open flow testing for the Nuss #1							
	ell on the grounds that said well:							
Jas we	on the grounds that said well.							
	(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							
	urther agree to supply to the best of my ability any and all supporting documents deemed by Commission							
staff as	s necessary to corroborate this claim for exemption from testing.							
Date:_	4-16-14							
	Signature:aRaheh							
	Title: President							

## Instructions:

1

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. **KCC WICHITA** 

APR 1 7 2014