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

Type Test	t:				(	See Instruc	tions on Rev	verse Side	<b>=)</b>					
O <sub>F</sub>	en Flo	w												
Deliverabilty				Test Date: 7-15-15				API No. 15 071-20,203 <b>- 0900</b>						
Company	v		<del></del>		7-10-10	'	Lease		- 01	1 20,200		Well Nu	mher	
W.R. W		ns,	Inc.				Johnso	ก			2	***************************************		
County		Loca		Section			TWP		/W)	Acres Attributed		Attributed		
Greele	<u>y</u>		NE/N	E/NE	32			40W			640	<del></del>		
Byerly					Reservoir <b>Towanda</b>			Gas Gathering C Duke Energy			ection			
Completion Date 12-80					Plug Bac <b>3044</b>	Plug Back Total Dept 3044		h Pa		Set at				
Casing Size 4.5		Weight 10.5			Internal Diameter 4.052		Set at 3045		rations 6	то 2984				
Tübing Size 2.375			Weig		Internal Diame		r Set at 3020		Perforations		То			
Type Con	noletio	n (Di				d Productio		,	Pump Ui	nit or Travelino	Plunger? Yes	/ No		
Single (			,		Water	a			Pump		, riungon 100	, 110		
Producing Thru (Annulus / Tubing) Annulus			ng)	% Carbon Dioxide					% Nitrogen			Gas Gravity - G		
Vertical D		1)	· · · ·			Pres	sure Taps					Run) (Pi	rover) Size	
3045							•				•		•	
Pressure	Buildu	p;	Shut in 7-	10 ,	15 at 1	1:40 AM	. (AM) (PM)	Taken 7-	15	20	15 at 11:40	AM (	AM) (PM)	
Well on L	.ine:		Started	2	20 at		. (AM) (PM)	Taken		20	at	(	(AM) (PM)	
		_				OBSERVE	D SURFACE	DATA			Duration of Shut-	in 120	) Hours	
Static / Orifice Dynamic Size Property (inches)			Circle one: Meter	Pressure Differential	Flowing	Well Head	Casing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_a)$		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration	Liqui	Liquid Produced (Barrels)	
			Prover Press	ure in	Temperature t	Temperature t					(Hours)			
			psig (Pm)	Inches H <sub>2</sub> 0	<u> </u>	· ·	psig	psia	psig	psia		<u> </u>		
Shut-In			<u> </u>		<u> </u>		40.0	54.4	ļ		120	ļ		
Flow									<u> </u>		<u> </u>			
<del></del>				<del></del>		FLOW STF	REAM ATTRI	BUTES						
Plate Coefficeient (F <sub>b</sub> ) (F <sub>a</sub> )			Circle one:	Press	Grav	rity .	Flowing	Dev	ation Metered Flow		v GOR		Flowing	
			Meter ot ver Pressure	Extension	Fact	or	emperature Factor		ctor	R	(Cubic Fe	ev i	Fluid Gravity	
Mord			psia 	√ P <sub>m</sub> xh	F	'	F <sub>it</sub>		pγ	(Mcfd)	Barrel)		G <sub>m</sub>	
<b>-</b>					(OPEN FLO	OW) (DELIV	- 'ERABILITY)	CALCUL	ATIONS					
(P <sub>c</sub> ) <sup>2</sup> =		<u>_:</u> _	(P <sub>w</sub> ) <sup>2</sup> =	=:	P <sub>d</sub> =		•	<sub>c</sub> - 14.4) +		:	(P <sub>a</sub> )	2 = 0.20 2 =		
(P <sub>x</sub> ) <sup>2</sup> - (F	D 12	(P	c)2 - (Pw)2	1. P <sub>o</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup>	LOG of			sure Curve		۲ .		0.0	en Flow	
or	٠ ا	1,	o) - (rw)	2. P <sub>2</sub> -P <sub>2</sub>	formula 1. or 2.	1	,	e = "n" or	n x I	LOG	Antilog	Deil	verability	
(P <sub>c</sub> ) <sup>2</sup> - (F	P <sub>d</sub> )2			divided by: P.2 - P.	and divide	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>		igned Ird Slope					R x Antilog   Mcfd)	
					<del></del>		_			_			<u>:</u>	
	$\rightarrow$		-	<del></del>	<del>-</del>		-					<del> </del>		
Open Flov				Mcfd @ 14.	65 neia		Deliverabi	lity	<u> </u>		Mcfd @ 14.65 psi	<u> </u>		
											rt and that he ha		_	
the facts st	tated th	erei	n, and that s	aid report is true	e and correct	t. Executed	this the <u>17</u>	I	day of <u>Ju</u>	iiÀ		, 2	15	
			15fts	if omit	<del></del>	<del>^</del>								
			Witness (	и апу)	K	CC W	ichille	Deke 1	Daniel		Company			
		•	For Comr	nission		JUL 2 1	2015		_ <u></u>		ked by			

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<u>-</u>	nalty of perjury under the laws of the state of Kansas that I am authorized to request le K.A.R. 82-3-304 on behalf of the operator W.R. Williams, Inc.								
	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									
gas well on the grounds	triat salu well,								
(Check one)									
☐ is a c	coalbed methane producer								
is cy	cled on plunger lift due to water								
isas	source of natural gas for injection into an oil reservoir undergoing ER								
is on	vacuum at the present time; KCC approval Docket No								
√ is no	t capable of producing at a daily rate in excess of 250 mcf/D								
_									
I further agree to su	apply to the best of my ability any and all supporting documents deemed by Commission								
staff as necessary to co	prroborate this claim for exemption from testing.								
Date: 7-15-15									
Dale, 1 10 10									
	Signature:								
KC	C WICHITA Title: President								
Al	JL 2 1 2015								
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## 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.