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

Type Test	:				(	See Instruc	tions on Re	verse Side	?)				
Ор	en Flo	w			Tast Date				A D1	No. 15			
De	liverat	ilty			Test Date 5-23-12					No. 15 1-20,222 ~	00-00		
Company W.R. W		ns,	Inc.				Lease Vogt				1	Well Nu	mber
County Greeley	/	•	Locati C NW	on	Section TWP RNG (E/W) 22 19S 40W		Acres Attributed 640						
Field Bradsh	aw				Reservoir					hering Conn Energy	ection		
Completic	on Dat	10	-	Plug Back Total Depth Packer Set at 2934		<del></del>							
Casing Si 4.5	ize		Weight 10.5		Internal Diameter 4.052		Set at <b>2945</b>		Perforations 2854		To 2872	то 2872	
Tubing Size 2.375			Weigh	t	Internal Diamei				Perforations		To		
Туре Сол		n (De			Type Flui	d Production		<del> </del>		nit or Traveling	Plunger? Yes	/ No	
Single C		(Ant	nulus / Tubin	9)	Water % C	arbon Dioxi	ide		NO % Nitrog	jen	Gas G	ravity - G	
Tubing Vertical Depth(H)				<del></del>	Pressure Taps					.793			
2945	-epan(r	''				Fles	sure raps					nun) (Fi	over) size
Pressure	Buildu	р:	Shut in <u>5-2</u>	1	20 12 at 1	11:30 AM	(AM) (PM)	Taken_5-	23	20	12 <sub>at 12:30</sub>	AM (	AM) (PM)
Well on Li	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(	AM) (PM)
						OBSERVE	D SURFAC	E DATA	,		Duration of Shut	in 49	Hours
Static / Dynamic Property	Orifi Siz (inch	0	Circle onc. Meter Prover Presso psig (Pm)	Pressure Differential in Inches H_0	Flowing Temperature t	Wed Head Temperature	(P <sub>2</sub> ) ≈ (P	Pressure () or (P <sub>c</sub> )	Wether (P <sub>w</sub> ) e	Fubing cd Pressure √(P,) ⇔ (P,)	Duration (Hours)	1 '	l Produced larrob)
Shut-In							83.6	98	93.6	108	49		
Flow													
					<del>,</del>	FLOW STR	REAM ATTR	IBUTES		·	· ·   · · · · · · · · · · · · · · · ·		
Coeffieci	Plate Coefficcient (F <sub>s</sub> ) (F <sub>s</sub> ) McId		Circle one Meter or ver Pressure psia	Press Extension  P_xh	Extension Fact		Temperature		sation ctor	Metered Floo R (Mcrid)	GOR (Cubic Fe Barro!)	1	Flowing Fluid Gravity G
													j
(P <sub>r</sub> ) <sup>2</sup> =		_;	(P <sub>w</sub> ) <sup>2</sup> =	:	(OPEN FL	• •	'ERABILITY % (F	) CALCUL P <sub>e</sub> - 14.4) +		:		²= 0.20	7
(P <sub>1</sub> ) <sup>2</sup> - (F or (P <sub>1</sub> ) <sup>2</sup> - (F	•	(P	),)*- (P <sub>#</sub> )*	Chance formula 1 or 2  1. $P_c^2 \cdot P_c^2$ 2. $P_c^2 \cdot P_d^2$ Chance by $P_c^2 \cdot P_d$	LOG of formula 1 or 2 and divide	[p,z,p,z]	Stop	ssure Curve pe = "n" or signed and Slope	пх	LOG	Antilog	Ope Deli Equals	on Flow verability R x Antilog Mc(d)
Open Flor				Mcfd @ 14	.65 psia		Deliverab	ellity			Mcfd @ 14.65 ps	ia	
		igned	d authority, o			states that h	•		o make th		rt and that he ha		edge of
		-	•	aid report is true			•		day of .	•		, 2	
								Deke	Dani	els			
			Witness (	i cny)			-			For C	Эшфшу		
			For Contr	icdan			-			Chex	excel by	RE	CEIVEL

JUN 1 5 2012

	clare 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 W.R. Williams, Inc.
	t 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
	oment installation and/or upon type of completion or upon use being made of the gas well herein named.
l he	reby request a one-year exemption from open flow testing for the Vogt #1
gas we	I 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
l fu	rther 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: 5	<b>∟</b> 22.12
Date: _	
	Signature:
	Title: President

## 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.

RECEIVED
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KCC WICHITA