KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:					(See Instruc	tions on Re	verse Side	e)					
Open Flow					Test Date:				ADIA	lo 15					
Deliverabilty						7-15-15				API No. 15 071-20,113 <i>-</i> 0000					
Company W.R. Williams, Inc.					,	Lease CRC				1	Well Number				
County Location Greeley C/SE/SE					Section 18	TWP RNG (E/W) 17S 40W			V)	Acres Attributed 640					
Field Byerly					Reservoir Towanda			Gas Gathering Connection Duke Energy							
Completion 05-76	on Date	9				Plug Bac 3013	k Total Dep	h		Packer Set at					
Casing S 4.5	ize		Weight 9.5			Internal Diameter 4.090		Set at 3025		Perforations 2938		то 2981			
Tubing Si 2.375	ize	•	Weight 4.7			Internal Diameter 1.995		Set at 2993		Perforations		То			
Type Completion (Describe) Single Gas				Type Fluid Production Water			,	Pump Unit	Plunger? Yes / No						
Producing Thru (Annulus / Tubing) Annulus				% C	arbon Dioxi	iđe	% Nitrogen			Gas Gravity - G _g .852					
Vertical D	_)					Pres	sure Taps				*	Run) (P	rover) Size	
	Buildu	o: :	Shut in	10	2	0_15_at_1	1:25 AM	25 AM (AM) (PM) Taken_7			-15 20 .		AM_	(AM) (PM)	
Well on Line:			Started		20	D at		(AM) (PM) Taken		20		at	at(An		
							OBSERVE	D SURFAC	E DATA	· · · ·		Duration of Shut-	in 120) Hours	
Static / Dynamic	l l		Circle one: Meter Prover Pressure		Pressure Differential in	Flowing Well He Temperature Tempera		Casing		Tubing Wellhead Pressure (P _w) or (P _c)				d Produced Barrels)	
Shut-In			psig (Pm)		Inches H ₂ 0		t .	psig 77.0	91.4	psig	psia	120			
Flow						<u> </u>		77.0	91.4	 		120			
lJ	_						FLOW STR	LEAM ATTR	IBUTES	<u> </u>					
Plate			Circle ona: .		Press	Grav	dhe	Flowing	Date	istion	Metered Flov	v GOR		Flowing	
Coeffiecient (F _b) (F _p) Mcfd		Pro	Meter or Prover Pressure psia		Extension Fact		tor Temperature		Deviation Factor F _{pv}		R (Mcfd)	(Cubic Fe Barrel)		Fluid Gravity G _m	
.=_=														,	
(5.)2			(0.)3			•	DW) (DELIV		•		_		²= 0.2	07	
(P _c)² =	T	<u>-</u> :	(P _w) ² =	Choo:	se formula 1 or 2:	P _a =			o 14.4) +		:	(P _d)			
$(P_o)^2 - (P_a)^2$ or $(P_o)^2 - (P_d)^2$		(P			1. P _c ² - P _a ² LOG c formula 2. P _c ² - P _d ² 1. or 2 and divided by: P _c ² - P _a ² by:		P.2 - P.2	Backpressure Curve Slope ⊨ "n" or Assigned Standard Slope		n x LOG		Antilog	Del Equals	pen Flow iverability R x Antilog (Mcfd)	
Open Flor	.,,				Vlcfd @ 14.	SE sois		Deliverat	.ili.			Maid @ 14 SE no	L		
						· ·						Mcfd @ 14.65 ps			
			i authority, o n, and that s									rt and that he ha		ledge of 20 <u>15 </u>	
										e Danie					
Witness (if any)						X	KCC VV!C:::::				For Company				
			For Comm	nisslor	l	8					Chec	ked by			
							RECE	IVED							

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 W.R. Williams, 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 CRC #1 gas well 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 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: 7-15-15
Signature:KCC WICH!TA Title: President JUL 2 1 2015 RECEIVED

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.