KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:					(See Instru	ctions on Re	everse Side	e)					
Open i				Test Dat 5-22-13					No. 15 1 -20,843 ~	0000			
Company W.R. Willia	ams,	Inc.				Lease Gloria			•		Well No	umber	
County Location Greeley W2E2NESE				Section 13			TWP 20S		RNG (E/W) 40W		Acres Attributed 320		
Field Bradshaw				Reservoi Winfie				Gas Gathering Conn Duke Energy		ection			
Completion Date 06-24-06				Plug Bac 2833	k Total De	pth	Packer Set at		et at		///		
Casing Size Weight 4.5 10.5			Internal Diameter 4.052		Set at 2941		Perforations 2806		то 2816				
Tubing Size Weight 2.375 4.7			Internal Diameter 1.995		Set at 2822		Perforations		То	· · ·			
Type Completion (Describe) Single Gas				Type Flui Water	d Production	on	Pump Unit or Trav Pump Unit		it or Traveling Unit	Plunger? Yes	s / No		
Producing Thru (Annulus / Tubing) Annulus				% (% Carbon Dioxide			% Nitrogen		Gas Gravity - G ₉ .754		G _g	
Vertical Depth(H) 2842					Pressure Taps					(Meter	r Run) (F	rover) Size	
Pressure Buil	dup:	Shut in 5-2	1 2	0_13_at_1	0:00 AM	(AM) (PM)	Taken 5-	22	20	13 _{at} 11:30) AM	(AM) (PM)	
Well on Line:		Started	20	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)	
					OBSERV	ED SURFAC	E DATA			Duration of Shu	_{tt-in} 25	.5 Hour	
Oynamic S	rifice Size iches)	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)	Liqui	Liquid Produced (Barrels)	
Shut-In			-			49.0	63.4	Paig	psia	25.5			
Flow													
					FLOW ST	REAM ATTR	RIBUTES						
Plate Coefficcient (F _b) (F _p) Mcfd		Gircle one: Meter or ver Pressure psia	Press Extension ✓ P _m x h	Grav Fact F _s	or Temperature		Fa	iation ctor py	Metered Flow R (Mcfd)	V GOR (Cubic F Barrel	eet/	Flowing Fluid Gravity G _m	
				(OPEN FLO	OW) (DELIV	/ERABILITY) CALCUL	ATIONS		/P)2= 0.2	07	
P _c) ² =	:	(P _w) ² =_	Choose formula 1 or 2:	P _d =		% (F	P _c - 14.4) +	14.4 =	:)2 =		
(P _a) ² - (P _a) ² or (P _a) ² - (P _a) ²	(P	$(P_c)^2 - (P_w)^2 = 1, P_c^2 - P_a^2$ $2, P_c^2 - P_c^2$ divided by: $P_c^2 - P_w^2$		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n" or Assigned Standard Slope		n×L	og []	Antilog	Deli Equals	Open Flow Deliverability Equals R x Antilog (Mefd)	
<u>-</u>	<u> </u>											-	
Open Flow			Mcfd @ 14.6	35 psia		Deliverab	oility			Mcfd @ 14.65 ps	sia		
The unde	rsigned	l authority, on	behalf of the	Company, s	tates that h			make the		rt and that he h	as know		
e facts stated	thereir	n, and that sai	id report is true	and correct	. Executed	this the 22		•	· · · · · · · · · · · · · · · · · · ·	·	KC	20 <u>13</u> WICI	
		Witness (if	any)	a- 211		-	реке	Daniel		ompany			
		For Commis	ssion		.	_		_	Chec	ked by		Y 2 8 2(
											R	ECEIV	

	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator W.R. Williams, Inc.
correct	t 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
	ment installation and/or upon type of completion or upon use being made of the gas well herein named. reby request a one-year exemption from open flow testing for the Gloria #1
gas wel	f 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 fur	ther agree to supply to the best of my ability any and all supporting documents deemed by Commission
	necessary to corroborate this claim for exemption from testing.
Date: 5	-23-13
	Signature: Like Whelmann
	,
	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. **KCONVICENTA** signed and dated on the front side as though it was a verified report of annual test results.

MAY 28 2013

RECEIVED