KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				((See Instruc	tions on Re	verse Side	e)					
	en Flow liverabil				Test Date 5-22-13					No. 15 1-20,325 -	0000			
Company W.R. W		s, Inc.					Lease Helm		·	··	3	w ₀	ell Number	
County Location Greeley 330 FSL & 231				Section 27		TWP 18S		RNG (E/W) 40W			Acres Attributed 640			
Field Bradsh	aw				Reservoi Winfiel					hering Conn E nergy	ection			
Completion Date 08-84					Plug Bac 2904	k Total Dep	th	Packer Set at		et at				
Casing S 1.5	ize		Weight 10.5			Internal Diameter 4.052		Set at 2920		Perforations 2874		To 2884		
Tubing Si 2.375	ize		Weight 4.7		Internal Diameter 1.995		Set at 2900		Perforations		То		The state of the s	
Type Completion (Describe) Single Gas				Type Fluid Production Water				Pump Unit or Traveling Plunge Pump Unit			Yes /	No		
Producing Thru (Annulus / Tubing) Annulus				% Carbon Dioxide				% Nitrogen			Gas Gravity - G _。 .793			
/ertical E	Depth(H)	ľ				Pres	sure Taps				(1	Meter Ru	ın) (Prover) Size	
Pressure	Buildup	: Shut in	5-21	2	0 13 at 1	0:30 AM	(AM) (PM)	Taken_5-	22	20	13 _{at} 1	1:30 AI	M (AM) (PM)	
Well on Line:		Started	Started 2		0 at		(AM) (PM)	Taken	20		at	t (AM) (PM		
				T"		OBSERVE	D SURFAC		r		Duration o	f Shut-in	25 Hour	
Static / Dynamic Property	namic Size		one: Iter Pressure (Pm)	Pressure Differential in Inches H _o 0	Flowing Well Head Temperature t		(P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P ₀)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In				2			75.7	90.1	psig	psia	25			
Flow													· · · · · · · · · · · · · · · · · · ·	
	<u> </u>					FLOW STR	REAM ATTR	IBUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m ×h	Gravity Factor F _g		Flowing Temperature Factor F _{tt}		Deviation Metered Fit Factor R F_pv (Mcfd)		ow GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
c)2 =		: (F	'_)² =	:	(OPEN FLO	OW) (DELIV		') CALCUL P _c - 14.4) +		:		$(P_a)^2 = (P_d)^2 =$	0.207	
(P _c) ² - (F	_	(P _c) ² - (P _w) ²		2. P _c ² -P _s ² ded by: P _c ² -P _s ² by:		P _c ² + P _w ²	Backpressure Curve Slope = "n"or Assigned Standard Slope		n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow Mcfd @ 14.6			55 psia Deliver			ability Mer			Mcfd @ 14.	cfd @ 14.65 psia				
The u	undersig	ned author	ty, on b	ehalf of the	Company, s	tates that h	e is duly au	uthorized to	o make th	e above repo	rt and that	he has I	knowledge of	
e facts st	tated the	erein, and th	nat said	report is true	and correct	t. Executed	this the 2	2	day of M	ay		vi :	, ₂₀ <u>13</u>	
		Wit	ness (if an	у)		1 To 1 To 1 A Addison	_	Ďek∈	<u>Dani</u>		ompany	-K(C WICH	
		For	Commissi	on			-			Chec	ked by		IAY 2 8 201	
													RECEIVE	

	re under penalty of perjury under the laws of the state of Kansas that I am authorized to request tus under Rule K.A.R. 82-3-304 on behalf of the operator W.R. Williams, Inc.
correct to the of equipme	e foregoing pressure information and statements contained on this application form are true and ne best of my knowledge and belief based upon available production summaries and lease records intrinstallation and/or upon type of completion or upon use being made of the gas well herein named. By request a one-year exemption from open flow testing for the Helm #3 in the grounds that said well:
I furthe	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 ir agree to supply to the best of my ability any and all supporting documents deemed by Commission cessary to corroborate this claim for exemption from testing.
Date: <u>5-23</u>	Signature:

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.

MAY 2 8 2013