KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

RECEIVED

Type Test:				(See Instructions on Reverse Side)									SEP 1 7 2010	
Open Flow					Test Date: API No. 15									
Deliverabilty			8-5-10				071-20,167-00-00			KCC WICHIT				
Company W.R. V		s, Inc.					Lease Ander	son			1	Well Numb	per	
County Location Greeley C/SW/SW				Section 31			TWP RNG (E/V 19S 39W		E/W)		Acres Attr	ibuted		
Field Bradsh					Reservoir Winfield		Gas Gathering Co Duke Energy			nection				
Completi 07-79	on Date)			Plug Bac 2866	ck Total De	epth		Packer	Set at				
Casing S 4.5	Casing Size Weight 4.5 10.5				Internal Diameter 4.052			Set at 2869		orations 24	то 2833			
Tubing S 2.375		Weight 4.7		Internal Diameter 1.995			Set at 2864		orations	То				
Type Completion (Describe) Single Gas				Type Fluid Production Water				Pump Unit or Traveling Pi			/ No			
Producing Thru (Annulus / Tubing)				% Carbon Dioxide				% Nitrogen			Gas Gravity - G ₉			
Annulus														
Vertical Depth(H) 2870				Pressure Taps							Run) (Prov	er) Size		
Pressure	: Shut in _	8-4	2	0_10_at_1	0:50 AN	(AM) (PM)	Taken_{	3-5	20	10 at 10:50	AM (AN	1) (PM)		
Well on L	ine:	Started		2	0 at		(AM) (PM)	Taken		20	at	(AN	1) (PM)	
						OBSER\	VED SURFAC	E DATA			Duration of Shut	-in 24	Hours	
Static / Dynamic	ynamic Size		Circle one: Meter Prover Pressure		Flowing Temperature	Well Head Temperature	Wellhead	Casing Wellhead Pressure (P _w) or (P _c)		Tubing ead Pressure or (P,) or (P,)	Duration (Hours)	Liquid Produced (Barrels)		
Property	(inche	s) psig (P		in Inches H ₂ 0	t	t	psig	psia	psig	psia	(
Shut-In							51.6	66			24			
Flow		ľ												
						FLOW ST	TREAM ATTR	IBUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m x h	Gravity Factor F _g		Flowing Temperature Factor F _{ft}	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	w GOR (Cubic Fo	eet/	Flowing Fluid Gravity G _m	
					(OPEN FL	OW) (DEL	IVERABILITY) CALCUL	ATIONS		(P.)) ² = 0.207		
(P _c) ² =		: (P _w)		<u> </u>	P _d =		_% (F	_c - 14.4) +	14.4 = _	:)2 =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		ose formula 1 or 2: 1. P _c ² - P _a 2. P _c ² - P _d led by: P _c ² - P _w LOG of formula 1. or 2. 1. or 2. and divide by:		P _c ² - P _w ²	Backpressi Slope or Assig Standard		2 1 100		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flov				Mcfd @ 14.6	S5 neia		Deliverab	sility			Mcfd @ 14.65 ps	ia		
	***************************************	and outtout				datas Abet					· · · · · · · · · · · · · · · · · · ·			
	_	-			-		he is duly at ed this the			August	ort and that he ha	as knowled	-	
								D	ave O	lson				
		Witne	ss (if an	у)			-			ForC	Company			

SEP 1 7 2010

KCC WICHITA

I declare und	er penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status und	ler Rule K.A.R. 82-3-304 on behalf of the operator W.R. Williams, Inc.
and that the foreg	poing 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 insta	allation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby reque	est a one-year exemption from open flow testing for the Anderson #1
	ounds that said well:
(Charle	
(Check	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
片	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
V	is not capable of producing at a daily rate in excess of 250 mc/D
I further agree	to supply to the best of my ability any and all supporting documents deemed by Commissio
•	r to corroborate this claim for exemption from testing.
stati as fiecessary	to corroborate this claim for exemption from testing.
Date: 8-5-10	
	Signature: LR Whellann
	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.