KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

type test	•				,	See mstruc	00113 011 110	IVEISE CIDE	•,					
	en Flo liverat				Test Date:				API No. 15 075-20,849-00-00					
Company	,		Inc		5-23-12	<u>'</u>	Lease Heinz		0/:	o-20, 049 ~		Well No	ımber	
W.R. Williams, Inc. County Location				Section		TWP		RNG (E/W)		<u> </u>	Acres Attributed			
Hamilton 1320 FSL & 495 FWL				3 22S Reservoir				40W Gas Gathering Connection			480			
Bradshaw					Winfield				Duke Energy					
Completion Date 10-16-09					Plug Back Total Depth 2755				Packer Set at					
Casing Size Weight 4.5 10.5			Internal Diameter 4.052		Set at 2758		Perforations 2712		то 2726					
Tubing Size Weight 2.375 4.7				Internal (1.995	Diameter	Set at 2733		Perforations		То				
Type Completion (Describe) Single Gas					Type Fluid Production Water				Pump Unit or Traveling Plunger? Yes / No Pump Unit				· · · · · · · · · · · · · · · · · · ·	
Producing Thru (Annulus / Tubing) Annulus					% Carbon Dioxide							Gas Gravity - G		
Vertical D		1)				Pres	sure Taps			·- ·- ·- · · ·		Run) (P	rover) Size	
	Buildu	:o:	Shut in	<u>?</u> 1	0 12 _{at} 9	:45 AM	(AM) (PM)	Taken 5-	23	20	12 at 10:45	AM	(AM) (PM)	
Well on L											at			
						OBSERVE	D SURFAC	E DATA			Duration of Shut	-in_49) Hour	
Static / Dynamic Property	mic Size		Circle one. Meter Prover Press		Flowing Temperature	Well Head Temperature	Wa'hand Pressura		Tubing Welthead Pressure (P _u) or (P _t) or (P _t)		Duration (Hours)	Liqui	Liquid Produced (Barrela)	
Shut-In		•	psig (Pm)	Inches H ₂ 0			74.2	98.6	bzzā	psix	49	-		
Flow														
			l			FLOW STF	REAM ATTR	RIBUTES	·			1		
Plate Coefficcient (F _s) (F _s) Mcfd		Circh one Mater or Prover Pressure psia		Preas Extension P_xh	Grav Fac F	tor	Flowing Temperature Factor F ₁₁		iation ictor	Metered Floe R (Mofd)	GOR (Cubic Foet/ Barrel)		Flowing Fluid Gravity G	
					(005) 5	OND (DEL 1)	EDADU EN	2010					L	
P _r)² =		_:	(P _w) ² =	·:	OPEN FL	OW) (DELIV		'}		:	- 4	? = 0.2 }² =		
$(P_{t})^{2} - (P_{a})^{2}$ or $(P_{t})^{2} - (P_{a})^{2}$		(P _c) ² - (P _m) ²		Choose formula for 2 1. P _c - P _d 2 2. P _c - P _d 3 avaded by P _c - P _d 2	LOG of formuda 1 or 2 and divide by	P. 2. P. 2	Backpressure Co Slope = "n" or Assigned Standard Slop		n×L	.og :	Antilog	Open Flow Deliverability Equals R x Antilog (Mofd)		
·-·														
Open Flow Mctd Ø 14.65 psia							Defiverability Mcfd ⊚ 14.65 psia							
									o make th day of <u>M</u>		rt and that he h			
e racts si	iated t	i 191 0 i	n, and that s	aid report is true	and correc	a. Executed	unis the <u>.</u>				- - 	· ,	20	
			Witness (îl cny)			-	D€	ke Dar		Xempcany)FA=:	
												- t	RECEIV	

JUN 1 5 2012

I declare under penalty of perjury under the laws of the state of Kan exempt status under Rule K.A.R. 82-3-304 on behalf of the operator W.R. and that the foregoing pressure information and statements contained of correct to the best of my knowledge and belief based upon available production of equipment installation and/or upon type of completion or upon use being hereby request a one-year exemption from open flow testing for the	williams, Inc. In this application form are true and action summaries and lease records and made of the gas well herein named.
gas well on the grounds that said well:	
is a coalbed methane producer is cycled on plunger lift due to water is a source of natural gas for injection into an oil reserv is on vacuum at the present time; KCC approval Docket is not capable of producing at a daily rate in excess of I further agree to supply to the best of my ability any and all supporting staff as necessary to corroborate this claim for exemption from testing. Date: 5-23-12	No250 mct/D
Signature:	helian

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.

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KCC WICHITA