## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test						(	See Instr	ruci	tions on Re	verse	Side	)								
= :	en Flo liverab					Test Date 4-4-14	ə:					API		. 15 0,849 ~	.00	90				
Company W R W		ns	Inc			4-4-14			Lease Heinz			07.	0-2	0,040	-	w.u	V 2	Vell Nu	mber	
W.R. Williams, Inc.  County Location Hamilton 1320 FSL & 495 FWL			Section 3		TWP 22S	TWP			RNG (E/W) 40W				Acres Attributed 480							
Field						Reservoi						Gas Gat		ing Conn	ectio	n	- 1			
Bradsh: Completic		<u> </u>				Winfiel Plug Bac	k Total D	ept	th			Duke Packer S								
10-16-0				<b>1</b> - A		2755	N		0-1			Do do								
Casing Si 4.5	ıze		Weig 10.5			Internal I 4.052	Jiameter		Set a 275			Perfo 271		ons		то 272	:6			
Tubing Si 2.375	ize		Weig 4.7	ht		Internal ( 1.995	Diameter		Set a 273			Perfo	rati	ons		То			<u>.</u>	
Type Con Single (		n (D	escribe)			Type Flui Water	d Produc	tior			•	Pump Ui		r Traveling nit	Plur	nger? Ye	es /	No No		
Producing Annulus	=	(Anı	nulus / Tubir	ng)		% C	Carbon Di	oxi	de			% Nitrog	jen			Gas .75		vity - G	g	
Vertical D		1)					Pr	ress	sure Taps									un) (Pr	over) Size	
2758	D. 74			1		. 14 . 1	0:40 AN	vi	(AM) (PM)	<b></b>	4-4	4			14	. 10:4	0 A	<u>.</u>		
Pressure Well on L		•	Shut in															•	AM) (PM) AM) (PM)	
							OBSER	VE	D SURFAC	E DAT	TA	<u>.</u>	-		Dura	ation of Sh	out-ir	72	Hours	
Static / Dynamic Property	Orifi Siz (Inch	0	Circle one: Meter Prover Press	ure	Pressure Differential in	Flowing Temperature t	Well Hea	adi	Cas Wellhead (P <sub>w</sub> ) or (P	ing Pressi	ure	Wellhe		ng Pressure ) or (P <sub>c</sub> )		Duration (Hours)		Liquid	Produced arrels)	
Shut-In		_	psig (Pm)	<del>' </del>	Inches H <sub>2</sub> 0				97.0	рs 11°		psig	$\mp$	psia		 72				
Flow				$\dashv$	·				01.0	•••			$\dagger$			14-				
			<u></u>				FLOW S	TR	EAM ATTR	IBUTI	ES									
Plate Coeffieci (F <sub>b</sub> ) (F Mcfd	ient ,)	Pro	Circle one: Meter or over Pressure psia		Press Extension ✓ P <sub>m</sub> xh	Grav Fact F <sub>c</sub>	tor	۲	Flowing femperature Factor F <sub>f1</sub>			ation ctor	N	Metered Flow R (Mcfd)	y GOR Flowing (Cubic Feet/Barrel) Flowing Fluid Gravity G <sub>m</sub>		Fluid Gravity			
						(OPEN FL	OW) (DEI	LIV	ERABILITY	CAL	CUL	ATIONS								
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> )²:	=	:	P₀≕	• -			•		14.4 =		:			P <sub>a</sub> )²	= 0.20 =		
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1	se tormula 1 or 2 P <sub>c</sub> <sup>2</sup> - P <sub>s</sub> <sup>2</sup> . P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> . P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	.		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG			Antilog			Open Flow Deliverability Equals R x Antilog (Mcfd)		
															_					
																<u> </u>				
Open Flor			d mushamita a		Mcfd @ 14.				Deliverab							@ 14.65	_			
		_	d authority, o						•			_		-	art an	a that ne	nas		eage or	
ino raois si	iaiou u	10.0	n, and mar c	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	CPOIL IS HE	and correc	a. Execut		uns tre			Dani				k	C		/ICHITA	
			Witness	(if any	)			-	•					For	Compai	ıy	AF		7 2014	
			For Com.	missio	n			_	_					Che	cked by				EIVED	

exempt status u and that the for correct to the be	der penalty of perjury under the laws of the state of Kansas that I am authorized to request nder Rule K.A.R. 82-3-304 on behalf of the operator W.R. Williams, Inc. egoing pressure information and statements contained on this application form are true and st of my knowledge and belief based upon available production summaries and lease records
l hereby red	stallation and/or upon type of completion or upon use being made of the gas well herein named.  uest a one-year exemption from open flow testing for the Heinz #2  grounds that said well:
I further agr	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 ee to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
	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. **KCC WICHITA** 

APR 17 2014

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