KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				(See Instruct	tions on Re	everse Side	9)			
Open Flow					The Day 1							
Deliverabilty					Test Date: API No. 15 7-26-11 071-20,32					-000 <u>0</u>		
Company W.R. Williams, Inc.					Lease Helm				Well Number			Well Number
County Location Greeley 330 FSL & 2310 FEL			Section 27		TWP 18S				Acres Attributed 640			
Field SWSWSE Bradshaw			Reservoir Winfield					thering Conn	ection			
Completion Date 08-84			Plug Back Total Depth 2904			·	Packer	Set at				
Casing Size Weig 4.5 10.5			Weight 0.5	Internal D 4.052		Diameter Set at 2920			Perforations 2874		то 2884	
Tubing Size Weight 2.375 4.7				Internal (1.995	Diameter	Set 290	·		orations	То		
Type Completion (Describe) Single Gas				Type Fluid Production Water				Pump U Pump		Plunger? Yes / No		
Producing Thru (Annulus / Tubing) Annulus				% Carbon Dioxide				% Nitro	gen	Gas Gr .700	Gas Gravity - G _g .700	
Vertical Depth(H) 2935					Pressure Taps			· <u>.</u>			(Meter I	Run) (Prover) Size
Pressure	Buildup	: Shut in	7-25	2	0_11 at 6	:30 AM	(AM) (PM)	Taken_7-	26	20	11 at 6:30 A	M (AM) (PM)
Well on L	.ine:	Started		2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVE	D SURFAC	E DATA			Duration of Shut-	24 Hou
Static / Orifice Circle one:				Pressure Differential	Flowing	Well Head	Head Casing		Tubing		Duration of Gride	11001
Dynamic Size Property (inches)		Prover	Meter Prover Pressure psig (Pm)		Temperature Temperature		(P _w) or (f	Wellhead Pressure (P _w) or (P _t) or (P _e)		Pad Pressure or (P _t) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In			·····	Inches H ₂ 0			69.6	94 84	psig psia		24	
Flow				<u></u>								
						FLOW STR	EAM ATTR	IBUTES		,		
Plate Coefficient (F _b) (F _p) Mod		Meter o	Circle one: P: Meter or Exter rover Pressure psia		Gravity Factor F _q		Temperature Fac		riation Metered Flow actor R F _{pv} (Mctd)		W GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G_m
(P _c) ² =	a	: (1	P _w) ² =	:	(OPEN FLO	OW) (DELIV		') CALCUL P _c - 14.4) +		<u> </u>	(P _a) ² (P _d) ²	= 0.207
(P _e) ² - (I	P _a) ²	(P _c) ² · (P_)2	1. $P_c^2 \cdot P_a^2$ 2. $P_c^2 \cdot P_d^2$ 2. $P_c^2 \cdot P_d^2$ ded by: $P_c^2 \cdot P_w^2$	LOG of formula 1. or 2. and divide	P. 2 - P. 2	Slo As	essure Curve pe = "n" - or - or ssigned tard Slope	- 1	roe	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
			-			· · ·			_			
Open Flor	<u> </u>			Mcfd @ 14.	65 neis		Dolivemt			·	Marial 63 14 CE ani	
		ned author	rity, on h			tates that he	Deliverat		n maka H		Mcfd @ 14.65 psi	
				report is true			_	_			n and that he ha	, ₂₀ <u>11</u>
								Dav	ve ols	on		RECEIVED
		W	tness (if an	y)			•			For	>ompany	AUG 0 5 201

I declare under penalty of perjury under the laws of the state of Kansas that I am a exempt status under Rule K.A.R. 82-3-304 on behalf of the operator W.R. Williams, Inc.	uthorized to request								
exempt status under Hule K.A.H. 82-3-304 on benait of the operator									
and that the formation appropriate information and statements are trivial as this supplies									
and that the foregoing pressure information and statements contained on this application									
correct to the best of my knowledge and belief based upon available production summaries									
of equipment installation and/or upon type of completion or upon use being made of the gas I hereby request a one-year exemption from open flow testing for the Helm #3	s weii nerein namea.								
as well on the grounds that said well:									
as well 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 not capable of producing at a daily rate in excess of 250 mcf/D									
I further agree to supply to the best of my ability any and all supporting documents de taff as necessary to corroborate this claim for exemption from testing.	eemed by Commission								
Pate: 7-27-11	RECEIVED								
	AUG 0 5 201								
Signature:	KCC WICHI								
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.