Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	:				6	(See Instructions on Reverse Side)										
□ Ор	en Flo	w			Test Date:				ΔPI	No. 15						
Del	liverab	ilty			11/4/14 to 11/5/14				007-23,083-00-00							
Company Rains &		mso	n Oil Co., In	С.	Lease Hagan					Well Number 3-23						
County Barber			Location C NW		Section 23		TWP 32S			RNG (E/W) 10W		Acres Attributed				
Field McGuire-Goemann					Reservoir Miss. Ch				Gas Gathering Connection Lumen-WWGG							
Completion Date 11/13/06				Plug Back 4450	k Total Dep	th		Packer Set at none								
Casing Size 5.5			Weight		Internal Diameter			Set at 4467		Perforations 4364			то 4383			
Tubing Si	ize		Weigh	t	Internal Diameter		Set a	Set at 4390		Perforations			То			
Type Completion (Describe) single					Type Fluid Production Oil/SW			Pump Uni yes-pul	er? Yes / No							
Producing Thru (Annulus / Tubing)					% Carbon Dioxide			% Nitrogen			Gas Gravity - G					
annulus Vertical Depth(H)					Pressure Taps					· · · · · ·	(Meter F	Run) (P	rover) Size			
Progrumo	Duildu	n:	Shut in 11/4	4 2	14 , 7	:00 am	(AM) (BM)	Takan 1	1/5	20	14 at	7:00 ar	n	(AM) (PM)		
Well on Line:							(AM) (PM) Taken					· •				
						OBSERVI	ED SURFACE	DATA			Duratio	on of Shut-i	n	Hours		
Static / Dynamic Property	ynamic Size		Circle one: Meter Prover Pressu		Flowing Temperature t	Well Head Temperature t	iture (P_w) or (P_t) or (P_t)		Wellhea (P _w) or	ubing d Pressure (P ₁) or (P _c)	Dı	Duration (Hours)		d Produced Barrels)		
Shut-In		psig (F		Inches H ₂ 0			psig 190	psia	psig	psia	24	24				
Flow										_						
			_			FLOW ST	REAM ATTR	BUTES								
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	Extension Fact		Flowing Temperature Factor F _{tt}	Fa	riation actor F _{pv}	tor R		GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G _m		
		_														
$(P_c)^2 =$		_:	(P _w)² =		•	OW) (DELI	VERABILITY .% <u>(</u> F) CALCUL ⁾ c - 14.4) +		:		(P _a);	² == 0.2 ² ==	207		
(P _e) ² - (r or (P _e) ² - (r	-	(1	P _c) ² • (P _w) ²	Choose formula 1 or 2 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _d ²	LOG of formula 1. or 2. and divide		Slo _l	ssure Curve be = "n" or signed ard Siope	l n x L	og [Antilog [*]		Open Flow Deliverability Equals R x Antilog (Mcfd)			
											ļ .					
Open Flow		Mcfd @ 14.6			65 psia	5 psia .		Deliverability				Mcfd @ 14.65 psia				
		siane	d authority, o	n behalf of the		states that	he is duly a	uthorized 1	to make th	e above rep	ort and	that he ha	ıs knov	viedge of		
		_		aid report is true				Bth		ovember	X			20 14 .		
			148	II and		Kansas	CORPORATION	COMMISSIO	N Ju	anta	Company	. D	reen			
			Witness (ıı any)		<u> </u>	IOV 20	2014	<u> </u>							
			For Comm	nission		CON	SERVATION D WICHITA, KS	VISION		Che	ecked by					

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Rains & Williamson Oil Co., Inc. and that the foregoing 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 installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the Hagan #3-23 gas 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 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 I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.
Date: November 18, 2014
Received KANSAS CORPORATION COMMISSION NOV 2 0 2014 CONSERVATION DIVISION WICHITA, KS Signature: President 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.