KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:				(See Instruc	ctions on A	leverse Sid	le)					
Оре	en Flow	ASL												
Deliverabilty				Test Date: 7/6/2012					No. 15 3-20362-01-	00				
Company Rosewoo		ources, Inc.					Lease Bucho	ltz			1-15H	Well Nu	mber	
County Location Cheyenne SWNE			Section 15				RNG (E 41W	∕W)		Acres Attributed 80				
						Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.			RECEIVED	
			Plug Back Total Depth 2449'				Packer Set at				IAN 03 201			
Casing Si	g Size Weight			Internal (6.456	Diameter		Set at 1289'		rations	То				
Tubing Siz	Tubing Size Weight		Internal [Diameter	Set	Set at		rations	То	ΛŲ	C WICHIT			
Type Com Single (I	•	(Describe)			Type Flui Dry Ga	d Production	on		Pump U	nit or Traveling	Plunger? (Ye)	/NO		
	Thru (/	Annulus / Tub	ing)		-	Carbon Diox	ride			% Nitrogen		Gas Gravity - G		
Vertical Depth(H) OH					Pressure Taps Flange						(Meter Run) (Prover) Size			
	Buildup:	Shut in	.5	20	12 at 11:00 (PM) Taken 7-			-6	· 20	12 11:10	Z	(PM)		
Well on Li	ne:	Started 7-	6	20	12 at 1	1:10	. (PM	l) Taken 7	-7	20	12 at	()	AM) (PM)	
		- T				OBSERV	ED SURFA				Duration of Shut-	in 24	Hours	
Static / Dynamic Property	namic Size <i>Meter</i> Different perty (inches)		ferential	Flowing Well Head Temperature t t		Wellhead Pressure $(P_w) \text{ or } (P_t) \text{ or } (P_c)$		Tubing Weilhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)			
Shut-In			,				psig 66	80.4	psig	psia		 		
Flow							47	61.4			24	0		
						FLOW ST	REAM ATT	RIBUTES				Т		
Plate Coefficient (F _b) (F _p) Mcfd Circle one: Meter or Press Extension ✓ P _m x		tension	Gravity T Factor F _g		Flowing Temperature Factor F,	F	viation actor F _{pv}	Metered Flor R (McId)	W GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m			
										2				
					(OPEN FL	OW) (DELI	VERABILIT	Y) CALCU	LATIONS		(P _a)	² = 0.20)7	
(P _c) ² =		: (P _w) ²	=	<u> </u>	P _a =		%	(P _c - 14.4) -	+ 14.4 = _	<u> </u>	(P _d)	2 =	·	
$ \begin{array}{c c} (P_c)^2 \cdot (P_y)^2 & (P_c)^2 \cdot (P_w)^2 \\ \text{or} \\ (P_c)^2 \cdot (P_d)^2 & 2. \end{array} $		1. F 2. F	ormula 1 or 2: P _c ² - P _c ² P _c ² - P _c ² y: P _c ² - P _c ²	LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n"or Assigned Standard Slope		n x LOG		Open Flow Deliverability Equals R x Antilo (Mcfd)		verability R x Antilog		
				· *							•			
Open Flov	V		Mc	fd @ 14.6	35 psia		Delivera	ability			Mcfd @ 14.65 ps	ia		
		ned authority, rein, and that					-	19	day of D	ecember	ort and that he ha		edge of	
		Witnes	s (if any)			··			Of	nell For	Jul	U		
		 For Cor	nmission					<i>L</i> -			cked by			

Form G-2 (Rev. 7/03)

KCC WICHITA

	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 Rosewood Resources, Inc.
and that the f	oregoing 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
	installation and/or upon type of completion or upon use being made of the gas well herein named.
l hereby r	equest a one-year exemption from open flow testing for the Bucholtz 1-15H
gas well on th	e grounds that said well:
(C)	heck one)
(0)	is a coalbed methane producer
l	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
	agree to supply to the best of my ability any and all supporting documents deemed by Commissions are to corroborate this claim for exemption from testing.
Date: 12/19/	12
	Signature: Janul Guco
	Olgitation

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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W343

Bucholtz 01-15H

St. Francis

St. Francis

Pumping Unit/Elec

July-12

		Casing			HRS	Water	REMARKS
DATE	PSI	PSI		CF SPM	CYCLE DOWN	BBLS	(Maximum length 110 characters)
7/1/2012		57	70	1			
7/2/2012		51	64	2	3		
7/3/2012		67	80	1			
7/4/2012		47	60	2			
7/5/2012		47	60	3			cp 47 si for state test
7/6/2012		W	57	0	24		cp 66 opened
7/7/2012		47	60	2			
7/8/2012		49	62	2			
7/9/2012		47	60	2			
7/10/2012		45	58	2			
7/11/2012		45	58	2			
7/12/2012		45	58	2			
7/13/2012		45	58	2			
7/14/2012		44	57	2			
7/15/2012		45	58	2			
7/16/2012		57	70	1	1.5		
7/17/2012		44	57	2			
7/18/2012		44	57	2			
7/19/2012		53	66	1			
7/20/2012		53	66	2	0.5		
7/21/2012		53	66	1			
7/22/2012		53	66	2			
7/23/2012		53	66	2	0.5		
7/24/2012		49	62	2			
7/25/2012		63	76	0			
7/26/2012		44	57	1			
7/27/2012		64	77	1	5		
7/28/2012		57	70	i			
7/29/2012		54	67	2			
7/30/2012		54	67	2			
7/31/2012		54	67	2			

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W343 Bucholtz 01-15H St. Francis

St. Francis

Pumping Unit/Elec

August-12

		Casing				Water	REMARKS
DATE	PSI	PSI			CYCLEDOWN	BBLS	(Maximum length 110 characters
8/1/2012		43		2			
8/2/2012		50		2			
8/3/2012		43	56	2			
8/4/2012		47	60	2			
8/5/2012		47	60	2			
8/6/2012		47	60	2			
8/7/2012		56	69	1			
8/8/2012		56	69	2			
8/9/2012		56	69	2			
8/10/2012		66	79	1			
8/11/2012		56	69	2	1.5		
8/12/2012		47	60	2			
8/13/2012		46	59	3			
8/14/2012		46	59	2			
8/15/2012		56	69	2			
8/16/2012		47	60	2			
8/17/2012		47	60	2			
8/18/2012		47	60	2			
8/19/2012		47	60	2			
8/20/2012		47	60	2			
8/21/2012		47	60	2			
8/22/2012		46	59	2			
8/23/2012		47	60	2			
8/24/2012		52	65	2			
8/25/2012		52	65	2			
8/26/2012		51	64	2			
8/27/2012		59		2			
8/28/2012		59		2			
8/29/2012		47	60	2			
8/30/2012		49	62	2			
8/31/2012		49	62	2			

W343
Bucholtz 01-15H
St. Francis
St. Francis
Pumping Unit/Elec

September-12

JAN 0 3 2013 KCC WICHITA

	Tubing	g Casing				HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF :	SPM	CYCLE DOWN	BBLS	(Maximum length 110 characters
9/1/2012		49	62	2				
9/2/2012		49	62	2				
9/3/2012		49	62	2				
9/4/2012		49	62	2		1		
9/5/2012		71	84	1				
9/6/2012		48	61	2				
9/7/2012		150	163	0		19		
9/8/2012		163	166	0		24		
9/9/2012		168	171	0		24		
9/10/2012		168	171	0		24		
9/11/2012		168	171	0		24		
9/12/2012		110	123	0		10		
9/13/2012		96	109	0				
9/14/2012		96	109	2				
9/15/2012		74	87	2				
9/16/2012		74	87	3				
9/17/2012		74	87	3				
9/18/2012		71	84	2				
9/19/2012		77	90	2				
9/20/2012		60	73	2				
9/21/2012		61	74	2				
9/22/2012		61	74	2				
9/23/2012		62	75	2				
9/24/2012		62	75	2				
9/25/2012		62	75	2				
9/26/2012		54	67	3				
9/27/2012		61	74	2				
9/28/2012		52	65	3				
9/29/2012		50		2				
9/30/2012		50	63	2				
10/1/2012								

0