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

Type Test		,	ØSI.		(	see mstruc	tions on He	iverse side	₹ <i>)</i>				
(	en Flov liverabi		كإسجا			Test Date: API No. 15 8/17/2012 023-21263-00 <b>0</b>							
Company			rces, Inc.		. 8/11/20	Lease Zimbelman					Well Number 21-24		
County Cheyenr		_	Locati NENW	on	Section 24				RNG (E/W) 41W			QΛ	attributed
Field			INCINV			Reservoir				thering Conn			RECEIVE
Cherry C					Niobrara					Systems In	C.		AN 03 20
Completic 10/13/20		е			1391'	k Total Dep	otn		Packer	Set at		3	WIA R 2 SC
Casing Si	ze		Weigh 10.5#		Internal E 6.366	Diameter	Set <b>143</b>		Perfo	orations 14'	то 1224'	KC	C WICH
ubing Si	ze		Weigh		Internal [	Diameter	Set			orations	То		
Type Con Single (	Ċonv	enti	ional)		Type Flui Dry Ga	d Productions	on		flowin			(No)	
Annulus	6		nulus / Tubing	g)	% C	Carbon Diox			% Nitro	gen	Gas Gr .6		
Vertical Depth(H) 1450'					Pres Flan	ssure Taps				(Meter I	Run) (P	rover) Size	
			0_12 at_6	12 at 6:05 (AM) (PM) Taken 8-1			-17	20	12 <sub>at</sub> 6:15		AM((PM))		
Well on Line: 5		Started 8-1		20 12 at 6:15		(AM) (PM)	Taken 8-	-18	20	12 <sub>at</sub> 6:40	(	AMX(PM)	
						OBSERVE	ED SURFAC	E DATA			Duration of Shut-	in 24	Hours
Static / Dynamic Property	Orific Size	е	Circle one: Meter Prover Pressu		Flowing Temperature t	emperature Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing ead Pressure or (P <sub>1</sub> ) or (P <sub>c</sub> )	Duration (Hours)		d Produced Barrels)
-	(1110111		psig (Pm)	Inches H <sub>2</sub> 0	Inches H <sub>2</sub> 0		psig	psia	psig	psia			-
Shut-In	•						210	224.4				ļ	
Flow							60	74.4			24		
				1		FLOW STI	REAM ATT	RIBUTES		<u> </u>			T
Plate Coeffied (F <sub>b</sub> ) (F Mcfd	ent		Circle one: Meter or ever Pressure psia	Press Extension P <sub>m</sub> x h	Grav Fac	tor	Flowing Temperature Factor F <sub>11</sub>	Fa	viation actor = pv	Metered Flor R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>
			<del> </del>							13	-		
	1		45.10		-		/ERABILITY	•		L		<sup>2</sup> = 0.2	07
o <sub>c</sub> ) <sup>2</sup> =	- · · · · · · · · · · · · · · · · · · ·	=:-		Choose formula 1 or 2	P <sub>d</sub> =			P <sub>c</sub> - 14.4) +		: :	(P <sub>d</sub> )		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		2.		1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by:  p 2 - p 2 w		Backpressure Curve Slope = "n" Assigned Standard Slope		n x	LOG	Antilog	Del Equals	pen Flow iverability R x Antilog (Mcfd)
pen Flo	N			Mcfd @ 14.	65 psia		Delivera	bility			Mcfd @ 14.65 ps	ia	
				n behalf of the aid report is true			,			he above repo December	ort and that he ha		ledge of 20 12 .
				•					111	0111	(00 11	Wi	
			Witness (i	if any)			(			For		<u> </u>	<u> </u>
			For Comm	nission						Che	cked by		<del> </del>

JAN 0 3 2013

## KCC WICHITA

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 Rosewood Resources, 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 Zimbelman 21-24  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.  vis 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.	i declare under	
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	staff as necessary t	
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Dannell Couldi		Signature: 2 /00/1/00 CSOCO
Signature: Janul Gewen		Title: Production Assistant
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## 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.

W2736

Zimbelman 21-24

St. Francis

St. Francis

Flow

August-12

FloBoss

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JAN 0 3 2013

KCC WICHITA

FloBoss								
		Casing				HRS	Water	REMARKS
DATE	PSI	PSI	<b>STATIC</b>	MCF	SPM	CYCLE DOWN	BBLS	(Maximum length 110 characters)
8/1/2012		62	75	13				
8/2/2012		55	68	13				
8/3/2012		56	69	13				
8/4/2012		54	67	13				
8/5/2012		63	76	13				
8/6/2012		53	66	13				
8/7/2012		64	77	13				
8/8/2012		57	70	13				
8/9/2012		56	69	13				
8/10/2012		71	84	13				
8/11/2012		57	70	13		1.5		
8/12/2012		59	72	13				
8/13/2012		52	65	13				
8/14/2012		56	69	13				
8/15/2012		65	78	13				
8/16/2012		56	69	13				si for state test cp-62
8/17/2012		210	65	0		24		reopened cp-210
8/18/2012		60	73	20				
8/19/2012		61	74	15				
8/20/2012		52	65	15		•		
8/21/2012		60	73	13				
8/22/2012		56	69	13				
8/23/2012		62	75	13				
8/24/2012		64	77	13				•
8/25/2012		59	72	12				
8/26/2012		60	73	13				
8/27/2012		54	67	13				
8/28/2012		55	68	13				
8/29/2012		56	69	13				
8/30/2012		55	68	13				
8/31/2012		55	68	13				

W2736 Zimbelman 21-24

St. Francis

St. Francis

Flow

September-12

RECEIVED JAN 03 2013 KCC WICHITA

	Casing			HRS	REMARKS		
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)		
9/1/2012	55	68	13				
9/2/2012	58	71	13				
9/3/2012	55	68	13				
9/4/2012	54	67	13	1			
9/5/2012	72	85	13				
9/6/2012	72	85	13				
9/7/2012	150	163	4	19			
9/8/2012	171	184	0	24			
9/9/2012	177	190	0	24			
9/10/2012	181	194	0	24			
9/11/2012	183	196	0	24			
9/12/2012	184	197	0	24			
9/13/2012	110	123	23	10			
9/14/2012	101	114	20				
9/15/2012	91	104	17				
9/16/2012	86	99	15				
9/17/2012	76	89	15				
9/18/2012	57	70	15				
9/19/2012	75	88	13				
9/20/2012	49	62	13				
9/21/2012	50	63	13				
9/22/2012	50	63	13				
9/23/2012	50	63	13				
9/24/2012	54	67	13				
9/25/2012	57	70	13				
9/26/2012	57	70	13				
9/27/2012	65	78	12				
9/28/2012	57	70	13				
9/29/2012	58	71	13				
9/30/2012	58	. 71	13				
10/1/2012							

Total

W2736

Zimbelman 21-24

St. Francis

St. Francis

Flow

October-12

RECEIVED JAN 03 2013 KCC WICHITA

FloBoss				
	Casing		HRS	REMARKS
DATE	PSI	STATIC MCF	DOWN	(Maximum length 110 characters)
10/1/2012	58		13	
10/2/2012	57	70	13	
10/3/2012	58	71	12	
10/4/2012	56	69	12	
10/5/2012	56		12	
10/6/2012	56	69	12	
10/7/2012	56	69	12	
10/8/2012	56	69	12	
10/9/2012	56	69	12	
10/10/2012	58	71	12	
10/11/2012	57	70	12	
10/12/2012	57	70	12	
10/13/2012	58	71	12	
10/14/2012	60	73	12	
10/15/2012	57	70	12	
10/16/2012	75	88	12	l
10/17/2012	58	71	12	
10/18/2012	56	69	12	
10/19/2012	55	68	12	
10/20/2012	58	71	12	
10/21/2012	55	68	12	
10/22/2012	57	70	12	
10/23/2012	55	68	12	
10/24/2012	55	68	12	
10/25/2012	53	66	12	
10/26/2012	55	68	11	
10/27/2012	54	67	11	
10/28/2012	53	66	11	
10/29/2012	82	95	11 2	2
10/30/2012	69	82	11	
10/31/2012	53	66	11	

Total