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

Type Test	t:				(-	See Instruct	ions on Re	∕erse Side	)						
□ Ор	en Flor	N . · 🖟	<b>VSI</b>		<b></b>				A D1	No ar					
	liverab				Test Date 7/9/2015					No, 15 023-20590 <b>-</b>	-0000				
Company	od Re	sour	rces				Lease Isernhag	gen			2-22	Well Number			
County Cheyenr	ne	1	Location Location	on	Section 22					(W)		Acres Attributed 80			
Field St. Franc	cis				Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.						
Completic 9/10/200		е			Plug Back 1400'	k Total Dept	h		Packer 8	Set at					
Casing Size Weight					Internal D 4.052	Internal Diameter Set at 4.052 1411'				rations 1'	то 1297'	• •			
Tubing Si	ize		Weight		Internal D	Diameter	Set a	it	Perfo	rations	То				
Type Con Single (					Type Fluid	d Production	1			nit or Traveling	Plunger? (es	<b>)</b> / No			
	g Thru		nulus / Tubing	)	•	arbon Dioxi	de		% Nitrog	<del>_</del>	Gas Gr .6	Gas Gravity - G			
Vertical D		<u>{}</u>				Press	sure Taps					Run) (Prover) 5	Size		
1297'		_				Flan	=				2"				
Pressure	Buildu	•		2							15 at 11:25	(AM))P	M)		
Well on L	.ine:	,	Started 7-10	2	0 <u>15</u> at 1	1:25	(PM)	Taken 7-	·11	20	15 at 1:15	(AM)(P	M)		
					_	OBSERVE	D SURFAC	E DATA	ī		Duration of Shut-	in <u>24</u>	Hours		
Static / Dynamic Property	Oynamic Size Prover Pressur		1	ential Flowing We		Veil Head Wellhead Pressure (P <sub>*</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure $(P_w) \text{ or } (P_l) \text{ or } (P_c)$		Duration (Hours)	Liquid Produced (Barrels)				
Shut-In			psig (Pm)	Inches H <sub>2</sub> 0		<u> </u>	psig 173	psla 187.4	psig	psia					
Flow							73.4			24	0				
					<u> </u>	FLOW STR	EAM ATTR	IBUTES							
IE VIE V Prover Pressure		Press Extension √ P <sub>m</sub> x h	Grav Fact	tor	Flowing Temperature Factor F <sub>11</sub>	ature Eac		Metered Flo R (Mcfd)	w GOR (Cubic Fe Barrel)	I Grav	id ⁄ity				
										2	_				
/D \1			(D. )3		•	OW) (DELIV		•			(P <sub>a</sub> ) (P <sub>d</sub> )	<sup>2</sup> = 0.207			
(P <sub>c</sub> ) <sup>2</sup> =	7	<u>-:</u> -	(P <sub>w</sub> )² ≔	Choose formula 1 or 2	P <sub>d</sub> ==			ssure Curve		·_	(F <sub>d</sub> )				
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(F	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> 1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>q</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>		LOG of formula 1, or 2. and divide by:	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Sto As	pe = "n" - or signed fard Slope	n x	rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)			
-				avideo by: Pc Pw	- J,	<u> </u>	Jiano								
						<del></del>		-							
Open Flo	w			Mcfd @ 14	.65 psia		Deliverat	oility			Mcfd @ 14.65 ps	ia			
		-									ort and that he ha				
the facts s	stated t	here	in, and that sa	id report is tru	e and correc	KCC V				December	Moit	ور الماري الم			
•			Witness (if	any)					-] <u>a</u> l	~ ~ ~ ~ ~	Company	ny			
			For Comm	ssion		<u> </u>	07 2016		<del></del>	Che	cked by				

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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 Isernhagen 2-22  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.
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staff as necessary to corroborate this claim for exemption from testing.
404045
Date: 12/18/15
Signature: <u>Canual Mailing</u>
Signature:
KCC WICHITA  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.

W352 Serrihagen 02-22

St. Francis St. Francis

None

July-15

	Tubing	Casing				a.a.		HRS	Water		REMARKS
DATE	PSI	PSI	STATI		SPM	CYCLE		DOWN	BBLS	ᆚ	(Maximum length 110 characters
7/1/2015			2	66	1	0	0	(	•	0	
7/2/2015			2	66	1	0	0	(		0	
7/3/2015			2	66	1	0	0	(		0	
7/4/2015			2	66	1	0	0	(		0	
7/5/2015			2	66	1	0	0	(		0	
7/6/2015		5	51	73	2	0	0	2	!	0	
7/7/2015			31	65	1	0	0	(	)	0	
7/8/2015		5	51	64	1	0	0	16	5	0	
7/9/2015		7	1	64	0	0	0	24	ļ	0	
7/10/2015		17	<b>'</b> 3	191	0	0	0	14	ļ	0	
7/11/2015		9	7	125	5	0	0	(	)	0	
7/12/2015		-	17	98	2	0	0	(	)	0	
7/13/2015		4	9	85	2	0	0	(	)	0	
7/14/2015			2	68	2	0	0	(	)	0	
7/15/2015			52	65	I	0	0	(	)	0	
7/16/2015			52	65	1	0	0	(	)	0	
7/17/2015			52	65	1	0	0	(	)	0	
7/18/2015			51	64	1	0	0	(	)	0	
7/19/2015		:	51	64	1	0	0	(	)	0	
7/20/2015		:	51	63	1	0	0	(	)	0	
7/21/2015		:	52	75	2	0	0	:	2	0	
7/22/2015			50	64	1	0	0			0	
7/23/2015			50	63	1	0	0	(	)	0	
7/24/2015			51	63	1	0	0	(	)	0	
7/25/2015			50	63	1	0	0	(	)	0	
7/26/2015			50	63	1	0	0	(	)	0	
7/27/2015			19	63	1	0	0		)	0	
7/28/2015			19	62	1	0	0			0	
7/29/2015			19	62	1	ő	Ö			0	
7/30/2015			19	62	1	0	Ö			0	
7/31/2015			19	62	i	ŏ	0			Ŏ.	
Γotal					38					0	. !

0 Total 38

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W352 Iseruhagen 02-22

St. Francis

St. Francis

None

August-15

	Tubing	Casing					HRS	Water		REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE	DOV	VN BBLS		(Maximum length 110 characters
8/1/2015			49 63	3	1	0	0	0	0	
8/2/2015		:	50 64	1	1	0	0	0	0	
8/3/2015		:	51 64	1	1	0	0	0	0	
8/4/2015		4	49 63	3	1	0	0	0	0	
8/5/2015		4	49 62	2	1	0	0	0	0	
8/6/2015		4	49 62	2	2	0	0	0	0	
8/7/2015		4	49 63	3	2	0	0	0	0	
8/8/2015		4	49 6:	5	2	0	0	0	0	
8/9/2015			49 6°	7	2	0	0	0	0	
8/10/2015		4	49 69	9	2	0	0	0	0	
8/11/2015			49 69	9	2	0	0	0	0	
8/12/2015			49 70	0	2	0	0	0	0	
8/13/2015			49 70	0	2	0	0	0	0	
8/14/2015			49 70	0	2	0	0	0	0	
8/15/2015			49 7	1	2	0	0	0	0	
8/16/2015			49 7:	2	2	0	0	0	0	
8/17/2015		:	49 70	0	2	0	0	0	0	
8/18/2015			49 70	0	2	0	0	0	0	
8/19/2015			49 7	1	2	0	0	0	0	
8/20/2015		,	49 70	0	2	0	0	0	0	
8/21/2015		,	49 7	0	1	0	0	0	0	
8/22/2015		,	49 7	1	2	0	0	0	0	
8/23/2015			49 7	1	2	0	0	0	0	
8/24/2015			59 7	1	2	0	0	0	0	
8/25/2015			59 7	1	2	0	0	0	0	
8/26/2015			59 7	0	2	0	0	0	0	
8/27/2015			59 6	9	2	0	0	0	0	
8/28/2015			59 6	8	2	0	0	0	0	
8/29/2015			59 7	1	2	0	0	0	0	
8/30/2015			59 7.		2	0	0	4	0	
8/31/2015		_	59 7	5	2	0	0	0	0	
Total					56				0	

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W352 Isemhagen 02º22 g

St. Francis

St. Francis

None

September-15

	Tubing	Casing						IRS	Water		REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE	Ι	OWN	BBLS		(Maximum length 110 characters)
9/1/2015	-	74	87	1	2	0	0	(	)	0	
9/2/2015		53	66		2	0	0	(	)	0	
9/3/2015		54	67	,	2	0	0	(	)	0	
9/4/2015		57			2	0	0	(	)	0	
9/5/2015		62	75		2	0	0	C	)	0	
9/6/2015		66	79	ļ	2	0	0	0	)	0	
9/7/2015		65	78		2	0	0	(	)	0	
9/8/2015		63	76	,	2	0	0	0	)	0	
9/9/2015		64	. 77	•	2	0	0	0	)	0	
9/10/2015		55			2	0	0	e	)	0	
9/11/2015		58			2	0	0	0	1	0	
9/12/2015		59	72		2	0	0	0	)	0	
9/13/2015		58	71		2	0	0	C	)	0	
9/14/2015		60	73		2	0	0	(	)	0	
9/15/2015		61	74	ļ	2	0	0	0	)	0	
9/16/2015		62	. 75	i	2	0	0	0	)	0	
9/17/2015		63	76	;	2	0	0	0	1	0	
9/18/2015		62	. 75		2	0	0	0	1	0	
9/19/2015		59	72		2	0	0	0	1	0	
9/20/2015		57	70	1	2	0	0	C	)	0	
9/21/2015		58	71		2	0	0	(	)	0	
9/22/2015		60	73		2	0	0	C	1	0	
9/23/2015		61	74		2	0	0	0	)	0	
9/24/2015		61	74		2	0	0	0	)	0	
9/25/2015		61	74		2	0	0	0	)	0	
9/26/2015		61	74		2	0	0	0	)	0	
9/27/2015		61	74		2	0	0	0	1	0	
9/28/2015		61	74	i	2	0	0	C	1	0	
9/29/2015		61	74		2	0	0	C	)	0	
9/30/2015		61	74		2	0	0	(	)	0	
10/1/2015		0			0	0	Ó	0	)	0	

0 Total 60

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