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

Type Test	t:		met?		(	See Instruct	ions on Rev	rerse Side	)					
'   Op	en Flov	, (	SSI											
Deliverabilty					Test Date 9/28/20			API No. 15 15-023-20590						
Company		sou	rces				Lease Isernhag	gen				Well Nu	mber	
County Location Cheyenne NWSE					Section 22					/W)		Acres Attributed 80		
Field St. Franc	cis				Reservoi Niobrara				Gas Gathering Connection Branch Systems Inc.					
9/10/200		)			Plug Bac 1400'	k Total Dept	h		Packer :	Set at				
Casing Size Weight					Internal I 4.052	Diameter	Set a		Perfo 126	rations 1'	то 1297'			
Tubing Si	ze	•	Weigh	t	Internal (	Diameter	Set a	t	Perfo	rations	То			
Type Con Single (						Type Fluid Production Pump Unit or Traveling Plunger?  Dry Gas Pumping Unit Flowing								
	g Thru		nulus / Tubing	n)		arbon Dioxi	de		% Nitrog	<del>_</del>	Flowing Gas &	avity - C	 3 <sub>0</sub>	
Vertical D	_	١				Pres	sure Taps					Run) (Pi	rover) Size	
1297'	, wp(, ,					Flan	•				2"	11011) (1 1	Over) 3/28	
Pressure	Buildur		Shut in 9-2	72	10 11 at 1		(AM) (PM)				11 at 11:25	(	AM) (PM)	
Well on L	ine:	1	Started 9-2	2	0 <u>11</u> at <u>1</u>	1:25	(PM)	Taken 9-	29	20	_11 at _1:15	(	AM)(PM)	
					1	OBSERVE	D SURFACE		r		Duration of Shut-	<sub>in</sub> 24	Hours	
Static / Dynamic Property	Dynamic Size		Prover Pressure in		Flowing Temperature t	Temperature Temperature		Casing Wellhead Pressure $(P_{\pi}) \text{ or } (P_{\epsilon})$		Tubing and Pressure or (P <sub>1</sub> ) or (P <sub>2</sub> )	Duration (Hours)		d Produced Barrels)	
Shut-In			parg (Fili)	Inches H <sub>2</sub> 0		<u> </u>	150	psia 164.4	psig	psla				
Flow							58	72.4			24	0		
				· · · · · · · · · · · · · · · · · · ·		FLOW STR	EAM ATTR	BUTES						
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mofd		Pro	Circle one:  Meter or over Prassure psia  Press Extension  P <sub>m</sub> x h		Fac	Gravity Te		lowing Deviation sperature Factor F <sub>11</sub> F <sub>pv</sub>		Metered Flor Fl (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
										2				
					(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS			² = 0.2	07	
$(P_a)^2 = \underline{\hspace{1cm}}$		<u>.:</u>	(P <sub>w</sub> ) <sup>2</sup> =	: Channa (a	P <sub>d</sub> =	9	% (P	- 14.4) +	14.4 = _	<del></del> :	(P <sub>a</sub> )	² =	<del></del>	
$(P_a)^2 \cdot (P_a)^2$ $(P_c)^2 \cdot (P_d)^2$		(P <sub>e</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> 1. P <sub>e</sub> <sup>2</sup> - P <sub>e</sub> <sup>8</sup> 2. P <sub>e</sub> <sup>2</sup> - P <sub>d</sub> <sup>8</sup> divided by: P <sub>e</sub> <sup>2</sup> - P <sub>e</sub> <sup>2</sup>		LOG of formula 1. or 2. and divide	formula 1. or 2.  and divide   p 2 p 2		Backpressure Curve Slope = "n" or  Assigned Standard Slope		rog	Antilog	Deli Equals	en Flow verability R x Antilog Mcfd)		
			·				<u> </u>							
Open Flow Mcfd 2 14.65 psia Deliverability Mcfd 2 14.65 psia														
				n behalf of the				3	day of	ecember	ort and that he ha		ledge of 20 <u>11 .</u> .	
			Witness (i	any)			-	4	au		COCLU		Z Ceived	
			For Comm	ission						Che	cked by	I VE	CLIVEL	

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l doctors was	despenditues and activity under the laws of the state of Manage that Lors outborized to request
	der penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
and that the fore correct to the bes of equipment inst	going pressure information and statements contained on this application form are true and at of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named.
	rounds that said well:
•	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 se to supply to the best of my ability any and all supporting documents deemed by Commission by to corroborate this claim for exemption from testing.
Date: 12/28/11	
	Signature: <u>Janual Guuu</u> Title: Production Assistant

## 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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W352

Isernhagen 02-22

St. Francis

St. Francis

None

September-11

	Tubing	g Casing					HRS	Water	
DATE	PSI	PSI	STATIC N	1CF	SPM	CYCL	DOWN	<b>BBLS</b>	(Maximum length 110 characters)
9/1/2011		60	72	2	0	0	0	Ö	
9/2/2011		59	73	2	0	0	0	0	
9/3/2011		59	73	2	0	0	0	0	
9/4/2011		59	73	2	0	0	0	0	
9/5/2011		59	72	2	0	0	0	0	
9/6/2011		59	72	2	0	0	0	0	
9/7/2011		60	72	2	0	0	0	0	
9/8/2011		59	73	2	0	0	0	0	•
9/9/2011		60	72	2	0	0	0	0	1
9/10/2011		59	72	2	0	0	0	0	)
9/11/2011		59	72	2	0	0	0	0	
9/12/2011		60	73	2	0	0	0	0	
9/13/2011		58	72	2	0	0	0	0	
9/14/2011		59	71	2	0	0	0	0	
9/15/2011		58	72	2	0	0	0	0	)
9/16/2011		59	72	2	0	0	0	0	1
9/17/2011		59	72	2	0	0	0	0	•
9/18/2011		58	71	2	0	0	0	0	•
9/19/2011		59	71	2	0	0	0	0	)
9/20/2011		59	72	2	0	0	0	0	
9/21/2011		59	71	2	0	0	0	0	)
9/22/2011		58	71	2	0	0	0	0	)
9/23/2011		58	71	2	0	0	0	0	)
9/24/2011		58	71	2	0	0	0	0	)
9/25/2011		58	72	2	0	0	0	0	)
9/26/2011		59	72	2	0	0	0	0	)
9/27/2011		55	71	2	0	0	0	0	)
9/28/2011		150	70	0	0	0	24	0	si for state test
9/29/2011		54	70	3	0	0	0	0	)
9/30/2011		55	68	2	0	0	0	0	)
10/1/2011		0	0	0	0	0	0	0	)

Total 59 0

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W352 Isernhagen 02-22-

St. Francis

St. Francis

None

October-11

	Tubing	Casing				HRS	Water	REMARKS
DATE	PSI	PSI	STATIC MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
10/1/2011		58	71 2	. 0	0	0	0	<del> </del>
10/2/2011		60	73 2	. 0	0	0	0	
10/3/2011		59	73 2	. 0	0	0	0	
10/4/2011		59	72 2	2 0	0	0	0	
10/5/2011		59	72 2	2 0	0	0	0	
10/6/2011		57	70 2	2 0	0	0	0	
10/7/2011		60	73 2	2 0	0	0	0	
10/8/2011		60	72 2	2 0	0	0	0	
10/9/2011		60	72 2	2 0	0	0	0	
10/10/2011		59	72 2	2 0	0	0	0	
10/11/2011		58	77 2	2 0	0	0	0	
10/12/2011		57	72 2	. 0	0	0	0	
10/13/2011		55	69 2	2 0	0	0	0	
10/14/2011		56	70 2	2 0	0	0	0	
10/15/2011		55	70 2	2 0	0	0	0	
10/16/2011		56	70 2	2 0	0	0	0	
10/17/2011		56	70 2	2 0	0	0	0	
10/18/2011		56	70 2	2 0	0	0	0	
10/19/2011		57	73 2	2 0	0	0	0	
10/20/2011		58	73 2	2 0	0	0	0	
10/21/2011		58	71 2	2 0	0	0	0	
10/22/2011		59	72 2	2 0	0	0	0	
10/23/2011		59	72 2	2 0	0	0	0	
10/24/2011		59	71 2	2 0	0	0	0	
10/25/2011		58	72 2	2 0	0	0	0	
10/26/2011		58	71 2	2 (	0	0	0	
10/27/2011		56	71 2	2 (	0	0	0	
10/28/2011		57	71 2	2 (	0	0	0	
10/29/2011		57	71 2	2 (	0	0	0	
10/30/2011		57	71 2	2 (	0	0	0	
10/31/2011		57	70 2	2 (	0	0	0	

Total 62 0

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W352

Isernhagen 02-22

St. Francis

St. Francis

None

November-11

	Tubing	Casing				HRS	Water	REMARKS
DATE	PSI	PSI	STATIC MC	F SPM	[	CYCLE DOWN	BBLS	(Maximum length 110 characters)
11/1/2011	•	58	70	2	0	0 0	0	, "
11/2/2011		57	70	2	0	0 0	0	•
11/3/2011		55	70	2	0	0 0	0	1
11/4/2011		57	70	2	0	0 0	0	1
11/5/2011		57	70	2	0	0 0	0	1
11/6/2011		57	69	2	0	0 0	0	
11/7/2011		66	70	2	0	0 0	0	
11/8/2011		57	73	2	0	0 0	0	•
11/9/2011		56	70	2	0	0 0	0	)
11/10/2011		56	. 69	2	0	0 0	0	1
11/11/2011		57	70	2	0	0 0	0	ì
11/12/2011		56	69	2	0	0 0	0	
11/13/2011		56	69	2	0	0 0	0	i e e e e e e e e e e e e e e e e e e e
11/14/2011		56	70	2	0	0 0	0	İ
11/15/2011		54	68	2	0	0 0	0	
11/16/2011		55	68	2	0	0 0	0	1
11/17/2011		54	69	2	0	0 0	0	)
11/18/2011		56	68	2	0	0 0	0	
11/19/2011		53	69	2	0	0 0	0	
11/20/2011		53	69	2	0	0 0	0	1
11/21/2011		55	69	2	0	0 0	0	
11/22/2011		56	68	2	0	0 0	0	1
11/23/2011		57	69	2	0	0 0	0	1
11/24/2011		57	69	2	0	0 0	0	1
11/25/2011		56	69	2	0	0 0	0	1
11/26/2011		56	69	2	0	0 0	0	1
11/27/2011		46	69	2	0	0 0	0	·
11/28/2011		56	69	2	0	0 0	0	)
11/29/2011		56	69	2	0	0 0	0	)
11/30/2011		57	69	2	0	0 0	0	1
12/1/2011		0	. 0	0	0	0 0	0	)

Total 60 0

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