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

Type Test					(	See Instruc	tions on Re	verse Side,	)						
( ) Op	Open Flow														
J. Dollygrobilty						Test Date: API No. 15 9/28/2011 023-20630-00					.00				
Company Lease Well Number Rosewood Resources, Inc. R. Walter 33-21									mber						
				Section 21	Section TWP				RNG (E/W) 41W			Acres Attributed 80			
Field Reservoir							Gas Gathering Connection								
St. Franc					Niobrara	Niobrara				Branch Systems Inc. Packer Set at					
10/22/20					1521'	·						. <del></del>		<del></del>	
Casing Si 2 7/8"	ize		Welght 6.5#		Internal E 2.441	Internal Diameter Set at 2.441 1521'			Perforations 1385'			то 1417'			
Tubing Si	ze		Weight		Internal D	Internal Diameter Set at				Perforations					
Type Con Single (					Type Flui	d Productio	n		Pump Un	nit or Traveling	Plunger	? Yes	No		
- :			ulus / Tubing		% C	arbon Dioxi			% Nitrog	·		Gas Gra	avity - C		
Annulus	3	_		·	70 0							.6			
Vertical D 1417'	epth(H)					Pres Flan	sure Taps ge					(Meter F	Run) (Pi	rover) Size	
Pressure	Buildup	: 8	ihut In <u>9</u> -27	2				M) Taken 9-28 20			11 at.	10:55	(	AM)(PM)	
Well on L	ine:		Started 9-28		0 <u>11</u> at <u>1</u>	0:55	(AM)(PM)	Taken <u>9</u> -	29	20	11 at .	11:40	(	AMD(PM)	
-						OBSERVE	D SURFAC	E DATA			Duration	of Shut-	<sub>in</sub> _24	Hours	
Static / Orifice Oynamic Size Property (inches)		Malar		Pressure Differential	Differential Flowing Well Head		Casing Wellhead Pressure		Tubing Wellhead Pressure		Dur	Duration		Liquid Produced	
			Prover Pressur psig (Pm)	e in Inches H <sub>2</sub> 0	- (n   `+   `,		1 (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia					lours) (Barrels)			
Shul-in							99	113.4							
Flow	Flow					67.4			24		0				
						FLOW STE	REAM ATTE	RIBUTES							
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mctd		Circle one: Meter or Prover Pressure psla		Press Extension ✓ P <sub>m</sub> x h	Gravity Factor F <sub>a</sub>		Flowing Temperature Factor F <sub>11</sub>	Fa	iation ctor :	Metered Flow R (Mcfd)		GOR (Cubic Fe Barrel)	ęti	Flowing Fluid Gravity G	
										10					
	(OPEN FLOW) (DELIVERABILITY) CALCULATIONS (P <sub>a</sub> ) <sup>2</sup> = 0.207														
(P <sub>e</sub> ) <sup>2</sup> =		:	(P <sub>w</sub> ) <sup>2</sup> =	:	P₀≖		% (	P <sub>e</sub> - 14.4) +	14.4 =	:		(P <sub>d</sub> )	· =		
$(P_a)^2 - (P_B)^2$ or $(P_a)^4 - (P_g)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - P <sub>c</sub> <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - P <sub>c</sub> <sup>2</sup> (divided by: P <sub>c</sub> <sup>2</sup> - P <sub>c</sub>		LOG of formuta 1. or 2. and divide by:		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x tog		Antilog		Open Flow Deliverability Equals R x Antilog (Mc(d)			
	_											•			
Open Flow Mcfd @ 14.65 psla						Delivera	Deliverability Mcfd @ 14.65 psla								
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of															
the facts s	tated the	ereir	n, and that sa	d report is true	and correc	t. Executed	I this the $\frac{2}{}$		day of	ecember			•	20 11	
			Witness (il	any)					Du	MUL FOR		IU	$\omega$		
			For Commi		-				•	Cher	ked by		REC	EIVED	
										21101	,				

APR 2 4 2012

I declare under penalty of perjury under the laws of the state of Kansas the exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood R and that the foregoing pressure information and statements contained on this a correct to the best of my knowledge and belief based upon available productions of equipment installation and/or upon type of completion or upon use being made. I hereby request a one-year exemption from open flow testing for the R. Wagas well on the grounds that said well:	esources, Inc.  application form are true and summaries and lease records of the gas well herein named.
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 und is on vacuum at the present time; KCC approval Docket No is not capable of producing at a daily rate in excess of 250 m  I further agree to supply to the best of my ability any and all supporting docustaff as necessary to corroborate this claim for exemption from testing.	cf/D
Date: 12/28/11  Signature:	SUVU

## 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.

W365

R Walter 33-21

St. Francis

St. Francis

None

September-11

	Casing	-		HRS	REMARKS
DATE	PSI	STATIC :	MCF	DOWN	(Maximum length 110 characters)
9/1/2011	55	68	10	0	
9/2/2011	54	68	10	0	
9/3/2011	54	68	10	0	
9/4/2011	55	68	10	0	
9/5/2011	55	67	10	0	
9/6/2011	54	67	10	0	
9/7/2011	55	67	10	0	
9/8/2011	55	68	10	0	
9/9/2011	55	68	10	0	
9/10/2011	54	67	10	0	
9/11/2011	53	67	10	0	
9/12/2011	55	68	10	0	
9/13/2011	54	67	10	0	
9/14/2011	53	67	10	0	
9/15/2011	53	67	10	0	
9/16/2011	54	66	10	0	
9/17/2011	54	67	10	0	
9/18/2011	53	66	10	0	
9/19/2011	54	66	10	0	
9/20/2011	53	67	10	0	
9/21/2011	54	66	10	0	
9/22/2011	53	66	10	0	
9/23/2011	54	66	10	0	
9/24/2011	53	66	10	0	
9/25/2011	54	67	10	0	
9/26/2011	54	67	10	0	
9/27/2011	53	66	10	0	
9/28/2011	99	66	(	24	si for state test
9/29/2011	51	66	g	0	
9/30/2011	52	65	10	0	
10/1/2011	0	0	(	0	

Total 289

W365

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R-Walter 33-215

St. Francis

St. Francis

None

October-11

	Casing			HRS	REMARKS
DATE	PSI	STATIC MCF		DOWN	(Maximum length 110 characters)
10/1/2011	53	66	10	0	<del>.</del>
10/2/2011	54	67	10	0	
10/3/2011	54	67	10	0	
10/4/2011	54	67	10	0	
10/5/2011	54	67	10	0	
10/6/2011	53	66	10	0	
10/7/2011	55	68	10	0	
10/8/2011	54	67	10	0	
10/9/2011	54	67	10	0	
10/10/2011	55	67	10	0	
10/11/2011	56	72	9	0	
10/12/2011	53	67	10	0	
10/13/2011	51	65	10	0	
10/14/2011	51	66	10	0	
10/15/2011	52	65	10	0	
10/16/2011	52	66	10	0	
10/17/2011	52	65	10	0	
10/18/2011	52	65	10	0	
10/19/2011	52	69	10	0	
10/20/2011	53	67	10	0	
10/21/2011	54	66	10	0	
10/22/2011	54	66	10	0	
10/23/2011	54	66	10	0	
10/24/2011	54	66	10	0	
10/25/2011	53	66	10	0	
10/26/2011	52	66	10	0	
10/27/2011	68	66	10	0	
10/28/2011	66	66	10	0	
10/29/2011	52	66	10	0	
10/30/2011	53	66	10	0	
10/31/2011	52	65	10	0	

Total 309

W365 R Walter 33-21), P

St. Francis

St. Francis

None ·

November-11

	Casing			HRS	REMARKS
DATE	PSI	STATIC MCF		DOWN	(Maximum length 110 characters)
11/1/2011	53	65	10	0	
11/2/2011	52	65	10	0	
11/3/2011	53	65	10	0	
11/4/2011	52	65	10	0	
11/5/2011	52	65	10	0	
11/6/2011	52	65	10	0	
11/7/2011	57	65	10	0	
11/8/2011	52	67	9	0	
11/9/2011	57	65	10	0	
11/10/2011	61	65	9	0	
11/11/2011	52	65	10	0	
11/12/2011	51	65	10	0	
11/13/2011	52	65	10	0	
11/14/2011	52	65	10	0	
11/15/2011	50	63	10	0	
11/16/2011	56	63	10	0	
11/17/2011	65	64	9	0	
11/18/2011	51	64	10	0	
11/19/2011	50	64	9	0	
11/20/2011	49	65	9	0	
11/21/2011	51	64	9	0	
11/22/2011	52	64	9	0	
11/23/2011	53	64	9	0	
11/24/2011	53	64	9	0	
11/25/2011	52	64	9	0	
11/26/2011	52	64	9	0	
11/27/2011	51	64	9	0	
11/28/2011	51	64	9	0	
11/29/2011	51	64	9	0	
11/30/2011	51	64	9	0	
12/1/2011	0	0	0	0	

Total 285