## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	:	5	TCT			(	See Ins	tructio	ns on Re	verse Side	<del>?</del> )				
	en Flow iverabilt		15I	•		Test Date 6/27/20						I No. 15 3-20631-00 <b>0</b>	10		
Company Rosewoo		our	ces, Inc.			0/2//20	12		Lease Rudolpi	n	02.	3-20001 000	33-09	Well No	umber
County Location Cheyenne NWSE/4					Section 9					RNG (E	:/W)		Acres Attributed 80		
Field St. Franc	ois						Reservoir Niobrara			Gas Gathering Conr Branch Systems Ir					RECEIVI IAN 03 ; CWICH
Completic 10/21/20						Plug Bac 1540'	Plug Back Total Depth 1540'			Packer Set at		Set at	JA		JAN 03
Casing Size Weight 2 7/8" 6.5#				Internal Diameter 2.441			Set at 1540'		Perforations 1421'		To 1453'	KC	CIAUO		
Tubing Si	ze		Weig	ght		Internal Diameter			Set at		Perforations		То		-ANICH
Type Con Single (						Type Flui	d Produ	uction			Pump U flowin	nit or Traveling	g Plunger? Yes	No	)
Producing <b>Annulus</b>	,	Annı	ulus / Tubi	ng)		% C					% Nitro	% Nitrogen Gas Gravity - G <sub>g</sub>			G <sub>g</sub>
Vertical D	epth(H)						Pressure Taps Flange						(Meter	Run) (F	Prover) Size
Pressure	Buildup:		nut in	26	2	0_12 at_1				Taken_6-	-27	20	12 at 10:30		(AM) (PM)
Well on L	ine:	S	tarted 6-	27	26	12 at 1	0:30	(	Ам) РМ)	Taken 6-	-28	20	12 <sub>at</sub> 11:15		(AM) PM)
							OBSE	RVED	SURFAC	E DATA			Duration of Shu	t-in 24	Hours
Static / Dynamic Property	ynamic Size Prover Pressu		sure	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Well Head Temperature t			$(P_w)$ or $(P_t)$ or $(P_c)$		Tubing  Wellhead Pressure $(P_w)$ or $(P_1)$ or $(P_c)$ psig psia		Duration (Hours)	,	uid Produced (Barrels)	
Shut-In				,	2				psig 137	psia 151.4	psig	psia			
Flow									62	76.4			24	0	
	<del></del>						FLOW	STRE	AM ATTR	IBUTES		1			<del></del>
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter or  Prover Pressure , psia			Press Extension ✓ P <sub>m</sub> x h	Gravity Factor F <sub>o</sub>		l .	Flowing mperature Factor F <sub>11</sub>	Deviation Factor F <sub>pv</sub>		Metered Flor R (Mcfd)	w GOR (Cubic F Barrel	eet/	Flowing Fluid Gravity G <sub>m</sub>
												13			
D \2			(D.)2			(OPEN FL	OW) (DI			•	•			$()^2 = 0.2$	207
$(P_c)^2 = $ $(P_c)^2 - (F_c)^2 - ($	P <sub>a</sub> ) <sup>2</sup>	(P <sub>c</sub>	(P <sub>w</sub> ) <sup>2</sup> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Cho	ose formula 1 or 2: 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>d</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> - P	%	Backpre Slo As	essure Curve pe = "n" - or signed lard Slope	, n x	LOG	Antilog	De	Open Flow eliverability Is R x Antilog (Mcfd)
				divid	ded by: $P_c^2 - P_w^2$	by:	<u> </u>		Stario	ати экоре					
Open Flo	<u> </u>			<u> </u>	Mcfd @ 14.	65 psia	······································		Deliverat	oility			Mcfd @ 14.65 ps	sia	
The (	ındersig	ned	authority,	on b	ehalf of the	Company, s	states th	nat he	is duly a	uthorized t	o make t	he above repo	ort and that he h	as knov	wledge of
ne facts s	ated the	erein	, and that	said	report is true	and correc	t. Exec	uted th	nis the	9	day of _	December	<u></u>	,	20 12
			latta	. (16					=	61	an	all	GUU	2	
			Witness					_				For	Company		
			For Con	nmissio	on				-			Che	cked by		

## KCC WICHITA

l declare un	der penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status ur	der Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
and that the fore	egoing pressure information and statements contained on this application form are true and
correct to the be	st of my knowledge and belief based upon available production summaries and lease records
of equipment ins	tallation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby req	uest a one-year exemption from open flow testing for the Rudolph 33-9
gas well on the g	rounds that said well:
(Chec	k 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
$\checkmark$	is not capable of producing at a daily rate in excess of 250 mcf/D
=	ee to supply to the best of my ability any and all supporting documents deemed by Commission ry to corroborate this claim for exemption from testing.
Date: 12/19/12	
	Signature: Januel Gerven
	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.

W441

Rudolph 33-9

St. Francis

St. Francis

None

June-12

	Casing		HRS	REMARKS		
DATE	PSI	STATIC MCF	DOW	N (Maximum length 110 characters)		
6/1/2012	37	51	12			
6/2/2012	36	50	12	•		
6/3/2012	39	53	12			
6/4/2012	39	52	12			
6/5/2012	39	52	12			
6/6/2012	42	55	12			
6/7/2012	45	58	12			
6/8/2012	43	56	12			
6/9/2012	39	52	12			
6/10/2012	40	53	12			
6/11/2012	38	51	12			
6/12/2012	.40	53	12			
6/13/2012	38	51	12			
6/14/2012	39	52	12			
6/15/2012	50	63	12	•		
6/16/2012	40	53	12			
6/17/2012	41	54	12			
6/18/2012	51	64	12			
6/19/2012	49	62	12			
6/20/2012	55	68	12			
6/21/2012	54	67	12			
6/22/2012	63	76	12			
6/23/2012	60	73	12			
6/24/2012	-50	63	12			
6/25/2012	62	75	12	•		
6/26/2012	59	72	12	cp 64 si for state test		
6/27/2012	. 137	67	0	24 cp 137 opened		
6/28/2012	62	. 75	15	-		
6/29/2012	61	74	13			
6/30/2012	52	65	14			
7/1/2012						

Total

W441 Rudolph 33-9

St. Francis

St. Francis

None

July-12

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	Casing		HRS	REMARKS		
DATE	PSI	STATIC MCF		DOWN	(Maximum length 110 characters)	
7/1/2012	52	65	13			
7/2/2012	46	59	13	3		
7/3/2012	64	77	13			
7/4/2012	36	49	13			
7/5/2012	36	49	14			
7/6/2012	42	55	13	1		
7/7/2012	39	52	13			
7/8/2012	48	61	13			
7/9/2012	49	62	13			
7/10/2012	46	59	13			
7/11/2012	34	58	13			
7/12/2012	34	58	13			
7/13/2012	29	43	13			
7/14/2012	29	43	13			
7/15/2012	29	43	13			
7/16/2012	56	69	13	1.5		
7/17/2012	44	57	13			
7/18/2012	38	51	12			
7/19/2012	41	54	12	0.5		
7/20/2012	50	63	12			
7/21/2012	49	62	12			
7/22/2012	47	60	13			
7/23/2012	43	56	12	0.5		
7/24/2012	52	65	12			
7/25/2012	63	76	12			
7/26/2012	35	48	13			
7/27/2012	72	85	12	5		
7/28/2012	51	65	13			
7/29/2012	41	55	13			
7/30/2012	41	54	12			
7/31/2012	38	51	12			

Total 394

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W441

Rudolph 33-9

St. Francis

St. Francis

None

August-12

	Casing	H	IRS	REMARKS		
DATE	PSI	STATIC MCF	D	OWN	(Maximum length 110 characters)	
8/1/2012	38	51	12	-		
8/2/2012	46	59	12			
8/3/2012	40	53	12			
8/4/2012	40	53	12			
8/5/2012	42	55	13			
8/6/2012	37	50	12			
8/7/2012	48	61	12			
8/8/2012	49	62	12			
8/9/2012	41	54	12			
8/10/2012	54	69	12			
8/11/2012	41	54	12	1.5		
8/12/2012	39	53	12			
8/13/2012	41	54	12			
8/14/2012	35	48	12		•	
8/15/2012	36	49	12			
8/16/2012	36	49	12			
8/17/2012	35	48	12			
8/18/2012	39	52	12			
8/19/2012	40	53	12			
8/20/2012	41	54	12			
8/21/2012	39	52	12			
8/22/2012	44	57	12			
8/23/2012	36	49	12			
8/24/2012	41	54	12			
8/25/2012	41	54	12			
8/26/2012	39	52	12			
8/27/2012	39	52	12			
8/28/2012	39	52	12			
8/29/2012	40	53	12			
8/30/2012	46	59	12			
8/31/2012	39		12			

Total