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

	en Flov	N MSI			Test Date	See Instruc	tions on Re	everse Side	A	Pl No. 15	- 4				
	liverabi	ity .			8/22/20	12			02	23-21254-00	00				
Company Rosewo		sources, I	Inc.				Lease Zweyga	ardt				12-19	Vell Number		
County Cheyenr	ne	s	Location WNW	l	Section 19	Section TWP			RNG (E/W) 40W			Acres Attributed 80		ted	
Field Cherry C	Creek				Reservoi Niobrara					athering Con			RI	ECEIVED	
Completic 9/23/201		9			Plug Bac 1470'	k Total Dep	th		Packer	Set at			JA	N 0 3 2013	
Casing S 4 1/2"	ize		Weight 10.5#		Internal I 6.366	Diameter		Set at 1509'		Perforations 1304'		то 1334'	KCC	WICHITA	
Tubing Si	ize		Weight		Internal I	Diameter	Set	at	Per	forations		То		<del></del>	
		(Describe			Type Flui Dry Ga	d Productio	n		Pump I	Unit or Travelin	ng Plung	er? Yes	No		
Producing	•	(Annulus /	Tubing)		% (	······································				% Nitrogen			Gas Gravity - G <sub>g</sub>		
Vertical D		)				Pressure Taps Flange						(Meter F	Run) (Prover)	Size	
Pressure	Buildu	n Shutir	8-21	· 2	12 <sub>at</sub> 5		(AM)(PM)	) <sub>Taken</sub> 8-	-22	<u></u>	0 12 a	5:30	(AM(	PMI)	
Well on L			8-22		12 <sub>at</sub> 5	:30	(AM) (PM)	Taken 8-	-23		0 <u>12</u> a		(AM)(	$\stackrel{\sim}{\sim}$	
						OBSERVE	ED SURFAC	E DATA		·····	Duratio	on of Shut-i	n_24	 _Hours	
Static / Dynamic Property	Orific Size (inche	Prover	ele one: feter Pressure g (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	Wellhead	sing I Pressure P <sub>1</sub> ) or (P <sub>c</sub> ) psia	1	Tubing head Pressure or $(P_1)$ or $(P_c)$ psia	_	uration Hours)	Liquid Prod (Barrels		
Shut-In			**	•			217	231.4	poig	psia					
Flow							86	200.4			24				
						FLOW STE	REAM ATT	RIBUTES	<del></del>				η		
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ient	Circle on Meter of Prover Pres psia	or	Press Extension ✓ P <sub>m</sub> x h	Grav Fac F	tor	Flowing Temperature Factor F <sub>11</sub>	Fa	riation actor = pv	Metered Fl R (Mcfd)	ow	GOR (Cubic Fee Barrel)	et/ Fi	wing luid avity 3 <sub>m</sub>	
										21					
(P <sub>c</sub> ) <sup>2</sup> =		: (	(P <sub>w</sub> )² =	:	(OPEN FL	OW) (DELIV		<b>/) CALCUL</b> P <sub>c</sub> - 14.4) +		•		(P <sub>a</sub> )² (P <sub>d</sub> )²	= 0.207		
(P <sub>c</sub> ) <sup>2</sup> - (I	P <sub>a</sub> ) <sup>2</sup>	(P <sub>c</sub> )²- (P <sub>.</sub>	Cho	cose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ ded by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Backpre Slo	essure Curve  ppe = "n"  - or  ssigned  dard Slope	, ,	, rod	A	ntilog	Open Flo Deliverab Equals R x / (Mcfd)	ility Antilog	
Open Flor		<u> </u>		Mcfd @ 14.6	· ·		Deliveral	<u> </u>				14.65 psia	· · · · · · · · · · · · · · · · · · ·	<del></del>	
				pehalf of the report is true						the above rep	oort and	that he has	s knowledge , 20_12		
		V	Vitness (if ar	y)	· · · · · · · · · · · · · · · · · · ·		•	~		Fo	r Company		,		
		F	or Commissi	on						Ch	ecked by			Q-10-10-10-10-10-10-10-10-10-10-10-10-10-	

## JAN 03 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 theZweygardt 12-19
gas well on the grounds 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
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.  Date: 12/19/12
Signature:

## 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.

W2733

Zweygardt 12-19

St. Francis

St. Francis

Flow

August-12

JAN 0 3 2013 KCC WICHITA

FloBoss								
	Tubing					HRS	Water	1
DATE	PSI	PSI			SPM	CYCLE DOWN	BBLS	(Maximum length 110 characters)
8/1/2012		80						
8/2/2012		80	93					
8/3/2012		8						
8/4/2012		80						
8/5/2012		8:						
8/6/2012		86		21				
8/7/2012		8:	5 98					
8/8/2012		8	1 94	21				
8/9/2012		8	1 94	21				
8/10/2012		92		21				
8/11/2012		82				1.5	;	
8/12/2012		8	1 94	21				
8/13/2012		73						
8/14/2012		80	93	21				
8/15/2012		88	3 101	21				
8/16/2012		7	7 90	21				
8/17/2012		78	3 91	21				
8/18/2012		8	l 94	20				
8/19/2012		8	1 94	20				
8/20/2012		70	5 89	20				
8/21/2012		6	7 80	20				si for state test cp-77
8/22/2012		21	7 80	0		24	ļ	reopened cp-217
8/23/2012		80	5 99	33				
8/24/2012		8′	7 100	22				
8/25/2012		8:	5 98	21				
8/26/2012		8	l 94	21				
8/27/2012		80	93	21				
8/28/2012		78	91	21				
8/29/2012		82	2 95	21				
8/30/2012		79	92	21				
8/31/2012		78	3 91	20				

W2733

Zweygardt 12-19

St. Francis

St. Francis

Flow

September-12

FloBoss

RECEIVED

JAN 0 3 2013

KCC WICHITA

FloBoss					
	Casing		F	IRS	REMARKS
DATE	PSI	STATIC MCI	F I	OOWN	(Maximum length 110 characters)
9/1/2012	80	93	20		
9/2/2012	84	97	20		
9/3/2012	80	93	20		
9/4/2012	80	93	20	1	
9/5/2012	90	103	20		
9/6/2012	90	103	20		
9/7/2012	155	168	9	19	
9/8/2012	171	184	0	24	
9/9/2012	178	191	0	24	
9/10/2012	182		0	24	
9/11/2012	183	196	0	24	
9/12/2012	184		0	24	
9/13/2012	150	163	20	10	
9/14/2012	150	163	38		
9/15/2012	120	133	34		
9/16/2012	111	124	26		
9/17/2012	103	116	24		
9/18/2012	89	102	24		
9/19/2012	136	149	22		
9/20/2012	120	133	38		
9/21/2012	110	123	35		
9/22/2012	105	118	33		
9/23/2012	102	115	31		
9/24/2012	99	112	30		
9/25/2012	101	114	30		
9/26/2012	100	113	28		
9/27/2012	103	116	28		
9/28/2012	97		27		
9/29/2012	96		27		
9/30/2012	95	108	27		
10/1/2012					

Total

W2733

Zweygardt 12-19

St. Francis

St. Francis

Flow

October-12

RECEIVED JAN 0 3 2013 KCC WICHITA

	Casing		HRS	REMARKS
DATE	PSI	STATIC MO	CF DOWN	(Maximum length 110 characters)
10/1/2012	95	108	26	
10/2/2012	94	107	26	
10/3/2012	94	107	26	
10/4/2012	. 92	105	26	
10/5/2012	92	105	26	
10/6/2012	92	105	26	
10/7/2012	91	104	25	•
10/8/2012	91	104	25	
10/9/2012	91	104	25	
10/10/2012	91	104	25	
10/11/2012	91	104	25	
10/12/2012	91	104	25	
10/13/2012	91	104	25	
10/14/2012	93	106	24	
10/15/2012	90	103	24	
10/16/2012	100	113	24	1
10/17/2012	91	104	24	
10/18/2012	88	101	24	
10/19/2012	88	101	24	
10/20/2012	90	103	24	
10/21/2012	88	101	23	
10/22/2012	89	102	23	
10/23/2012	87	100	23	
10/24/2012	86	99	23	
10/25/2012	85	98	23	
10/26/2012	87	100	23	
10/27/2012	86	99	23	
10/28/2012	86	99	23	
10/29/2012	103	116	23	2
10/30/2012	97	110	23	
10/31/2012	86	99	23	

Total