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

Type <b>T</b> est	t:	47		6	See Instruc	tions on Rev	erse Side	<del>)</del> )					
Open Flow Test Date:						API No. 15							
Deliverabilty				6/22/14									
Company		urces, Inc.				Lease Zweygai	rdt			43-24	Well Number		
County Location Cheyenne NESE			Section 24					(W)		Acres Attributed 30			
Field					Reservoir Niobrara				41W 80  Gas Gathering Connection  Branch Systems Inc.				
Completic 9/27/201				Plug Bac 1507'	Plug Back Total Depth 1507'				Packer Set at				
Casing Size Weight			Internal D 6.366	Internal Diameter Set at 6.366 1547'			Perforations 1320'		то 1350'				
Tubing S	iz <del>o</del>	Weigl	ht	Internal [	Internal Diameter Set at				rations	То			
Type Con Single (			<u> </u>	Type Flui Dry Ga	d Production	n		Pump U	nit or Traveling g	Plunger? Yes	(No)		
Producing	•	nnulus / Tubin	9)	% C	% Carbon Dioxide				gen	Gas Gra	avity - G <sub>g</sub>		
Vertical D	Depth(H)				Pres Flan	sure Taps ge			<del></del>	(Meter F 2"	Run) (Prover) Size		
	Buildup:				14 at 5:30 (AM) (PM) Taken 6-				_	14 at 5:45	(AM(PM)		
Well on L	_ine:	Started 6-2	22 20	14 at 5	:45	(AM) (PM)	Такел <u>6</u> -	-23	20	14 at 6:10	(AMX(PM)		
					OBSERVE	D SURFACE	DATA		_ <del>_</del>	Duration of Shut-	n 360 Hours		
Static / Dynamic Property	Dynamic Size Prover Pi			Flowing Well Head Temperature Temperatur		(P, ) or (P, ) or (P,		Tubing Wellhead Pressure (P,) or (P,) or (P,)		Duration (Hours)	Liquid Produced (Barrels)		
Shut-In		psig (Pm)	Inches H <sub>2</sub> 0	<del>_</del>		225	239.4	psig	psia				
Flow						72	86.4			360			
					FLOW STE	REAM ATTRI	BUTES						
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mofd		Circle one:  Meter or  Prover Pressure  psia  Press Extension  P <sub>m</sub> x h		Fac	Gravity FI Factor F		Fé	riation actor F <sub>pv</sub>	Metered Flov R (Mcfd)	W GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G <sub>m</sub>		
									17				
/D.)2		/D \2	<u> </u>	•		/ERABILITY)	CALCUL			(P <sub>a</sub> )	2 = 0.207		
$(P_c)^2 = $	P <sub>a</sub> ) <sup>2</sup>	(P <sub>w</sub> ) <sup>2</sup> =	Choose formula 1 or 2.	P <sub>q</sub> =		Backpres	ssure Curve	9 0 x	LOG .	Antilog	Open Flow Deliverability		
(P <sub>c</sub> ) <sup>2</sup> - (I	(P <sub>d</sub> ) <sup>2</sup>		2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	1. or 2. and divide	Pc2 - Px2	Ass	orsigned ard Slope	-		Antilog	Equals R x Antilog (Mcfd)		
_	_					<del>  -</del> -							
Open Flo	ow		Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd @ 14.65 psi	a		
	_									ort and that he ha	s knowledge of		
the facts s	stated the	rein, and that s	said report is true	and correc	_					1 -11/10	, 20 <u>14</u> .		
	-	Witness	(if any)	KANSA	Receiv S <del>CORPOR</del> ATI	ved On commissio	ON Z	L	EMALL FOR	Company	curvey_		
					FEB 2	5 2015 -			Che	ecked by			
		For Com	1111031011	_ '					Olle				

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 Zweygardt 43-24
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
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: _12/12/14
Received Signature:  KANSAS CORPORATION COMMISSION  FEB 2 5 2015  CONSERVATION DIVISION WICHITA, KS  Production Assistant  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.

W2732

Zweygardt 43-24

St. Francis

St. Francis

Flow

June-184

FloBoss

FIOBOSS					<u> </u>	
	Casing		•	HRS	REMARKS	
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 character	
6/1/20134	79			0		
6/2/2013	85			0		
6/3/2013	79	92	19	0		
6/4/2013	92			0		
6/5/2013	75			0		
6/6/2013	76			0		
6/7/2013	175			9		
6/8/2013	188		0	24		
6/9/2013	201			24		
6/10/2013	213			24		
6/11/201	222			24		
6/12/2013	225			24		
6/13/2013	215			24		
6/14/2013	207			24		
6/15/2013	197			24		
6/16/2013	190			24		
6/17/2013	183			24		
6/18/201	175			24		
6/19/2013	168		0	24		
6/20/2013	166			24		
6/21/2013	166			24		
6/22/2013	135			24		
6/23/2013	150			5		
6/24/2013	143			0		
6/25/2013	135			0		
6/26/2013	114			0		
6/27/2013	109			0		
6/28/2013	87			0		
6/29/2013	81			0		
6/30/2013	82	95	22	0		
7/1/2013	-			0	<del>_</del>	

Total 333

Received KANSAS CORPORATION COMMISSION

FEB 2 5 2015

W2732

Zweygardt 43-24

St. Francis

St. Francis

Flow

July-14

**FloBoss** 

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
7/1/2014	80		22	0	
7/2/2014	79			0	
7/3/2014	79			0	
7/4/2014	79			0	
7/5/2014	79				
7/6/2014	78		19		
7/7/2014	88		19	0	
7/8/2014	78		19	0	
7/9/2014	79		19	0	
7/10/2014	79			0	
7/11/2014	84			0	
7/12/2014	80				
7/13/2014	80		18	0	
7/14/2014	81	94		0	
7/15/2014	73			0	
7/16/2014	75	88	19	0	
7/17/2014	75	88	19	0	
7/18/2014	76	89	19	0	
7/19/2014	74	87	19	0	
7/20/2014	74	87	18		
7/21/2014	143	156	18	0	
7/22/2014	151	164	3		
7/23/2014	99	112	22		
7/24/2014	72				
7/25/2014	73				
7/26/2014	72			0	
7/27/2014	72			0	
7/28/2014	72				
7/29/2014	74	87			
7/30/2014	73	86	17	0	
7/31/2014	77	90	<u>_1</u> 7	0	

Total 566

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FEB 2 5 2015

W2732

Zweygardt 43-24

St. Francis

St. Francis

Flow

August-14

FloBoss

FloBoss				т	
	Casing		HR	s	REMARKS
DATE	PSI	STATIC MO	F DO	WN	(Maximum length 110 characters)
8/1/2014	73		17	0	
8/2/2014	72	85	17	0	
8/3/2014	72	85	17	0	
8/4/2014	72	85	17	0	
8/5/2014	72	85	17	0	
8/6/2014	73	86	17	0	
8/7/2014	73	86	1,6	0	
8/8/2014	74	87	17	0	
8/9/2014	75	88	16	0	
8/10/2014	75	88	16	0	
8/11/2014	80	93	16	0	
8/12/2014	71	84	16	0	
8/13/2014	72	85	16	0	
8/14/2014	71	84	16	0	
8/15/2014	77	90	16	3	
8/16/2014	75	88	16	0	
8/17/2014	76	89	16	0	
8/18/2014	75	88	16	0	
8/19/2014	81	94	16	2	
8/20/2014	74	87	16	0	
8/21/2014	75	88	16	0	
8/22/2014	79	92	16	0	
8/23/2014	70	83	16	0	•
8/24/2014	71	84	16	0	
8/25/2014	87	100	16	0	
8/26/2014	72	85	16	0	
8/27/2014	79	92	16	0	
8/28/2014	95	108	16	0	
8/29/2014	70	83	16	5	
8/30/2014	70	83	16	0	
8/31/2014	78	91	16	0	_

Total

503

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FEB 2 5 2015

CONSERVATION DIVISION WICHITA, KS