## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Sixte)

Type lesi		ØST		· ·	oge mando	aons on nev	6138 3106	"				
	en Flow eliverabilty	-		Test Date 7/9/200			_		No. 15 20609-00 <b>0</b>	0		
Company Rosewo	y od Reso	urces				Lease Zimbelm	nan			4-24	Well Nu	ımber
County Cheyenr	ne	Locatio NW NW	Section 24		TWP 3S		RNG (EA	Acres Attributed 80				
Field Cherry (	Creek		Reservoir Niobrara					ering Conn Systems In				
Completion 5/18/200				Plug Bac 1403'	k Total Depi	th		Packer Se	et at			
Casing S 4 1/2"	lize	Weight 10.5#		Internal D	Diameter	Set a 1403		Performance 1202		To to 1234'		
Tubing S	ize	Weight		Internal Diameter Set at				Perfor	ations	То		
	mpletion (		<b>_</b>	Type Flui Dry Ga	d Production	n		Pump Uni	t or Traveling	Plunger? Yes	/ No	
	g Thru (A	nnulus / Tubing	)		arbon Dioxi	ide		% Nitroge		Gas Gr	avity - (	3,
Vertical E			<u></u>		Pres Flan	sure Taps					Run) (P	rover) Size
	Buildup:	Shut in 7-9					Taken_7-	10	20	15 <sub>at</sub> 8:45		(AM)(PM)
	Well on Line: Started 7-10			20 15 at 8:45 (PM) Taken 7								(AM)(PM)
					OBSERVE	D SURFACE	DATA			Duration of Shut	in 24	——————————————————————————————————————
Static / Dynamic Property	Static / Orifice Meter Differen  Dynamic Size Prover Pressure in		Pressure Differential in Inches H <sub>2</sub> 0	Temperature Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)		d Produced Barrels)
Shut-In						173	187.4					
Flow			<u> </u>			43	57.4			24	0	
					FLOW STR	REAM ATTRI	BUTES	$\overline{}$		<del>-                                    </del>		<del></del>
Plate Coeffictient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Meter or Pressure psta		Pacioi		Temperature Factor		viation Metered Floractor R F <sub>pv</sub> (Mcfd)		v GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>
									15			
(P <sub>c</sub> ) <sup>2</sup> =	:	(P <sub>w</sub> ) <sup>2</sup> =_	:	(OPEN FL		'ERABILITY) % (P	CALCUL 14.4) +		:	(P <sub>a</sub> ) (P <sub>d</sub> )	<sup>2</sup> = 0.2	:07
(P <sub>c</sub> ) <sup>2</sup> - (l or (P <sub>c</sub> ) <sup>2</sup> - (l		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	incose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ ivided by: $P_c^2 - P_a^2$	LOG of formula 1, or 2. and divide	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Slop  Ass	ssure Curve e = "n" or signed ard Slope	n x L	oe 📗	Antilog	Del Equals	pen Flow liverability s R x Antilog (Mcfd)
Open Flo	w		Mcfd @ 14.	65 psia		Deliverabi	lity			Mcfd @ 14.65 ps	ia	
	_	•				_				ort and that he ha	as know	ledge of
the facts s	tated ther	ein, and that sai	d report is true	and correc	t. Executed	this the <u>rc</u>		day of De	4111	MAG	FF)	20 15
		Witness (if	any)			_		<i>/- W</i>	For C	Company	<u>u</u>	<i>7</i> ——
		For Commis	ssion			_			Chec	cked by		

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 Zimbelman 4-24 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  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.
NCC WICHITA  APR 07 2016  RECEIVED  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.

W383

Zimbelman 04-24

St. Francis

St. Francis

None

July-15

	Tubing	Casing				HRS	Water	REMARKS
DATE	PSI	PSI	STATIC MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
7/1/2015		44	57	15			0	p u off
7/2/2015		44	57	15			0	
7/3/2015		44	57	15			0	
7/4/2015		44	57	15			0	
7/5/2015		44	57	15			0	
7/6/2015		43	56	15			2	
7/7/2015		43	56	14			0	
7/8/2015		43	56	14		1	6	
7/9/2015		90	103	1		2	.4	
7/10/2015		173	186	0		1	4	
7/11/2015		98	3 11 <b>1</b>	15			0	
7/12/2015		70	83	22			0	
7/13/2015		54	l 67	14			0	
7/14/2015		44	57	17			0	
7/15/2015		4:	5 58	16			0	
7/16/2015		44	1 57	16			0	
7/17/2015		4	4 57	16			0	
7/18/2015		4:	3 56	16			0	
7/19/2015		4:	3 56	15			0	
7/20/2015		4:	2 55	15			0	
7/21/2015		4'	7 60	15			2	
7/22/2015		43	3 56	15			0	
7/23/2015		43	3 56	15			0	
7/24/2015		4:	3 56	15			0	
7/25/2015		4:	3 56	15			0	
7/26/2015		43	3 56	15			0	
7/27/2015		42	2 55	15			0	
7/28/2015		42		14			0	
7/29/2015		42	2 55	14			0	
7/30/2015		4:	2 55	14			0	
7/31/2015		4:	2 55	14			0	

442 0 Total

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W383 Zimbelinan 04-24

St. Francis

St. Francis

None

August-15

FloBoss

FIOBOSS	Tubing	Casing				HRS	Water	REMARKS
DATE	PSI	_	TATIC MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
8/1/2015		43	56	14			2	
8/2/2015		44	57	14			0	
8/3/2015		43	56	14			0	
8/4/2015		43	56	14			0	
8/5/2015		42	55	14			0	
8/6/2015		42	55	14			0	
8/7/2015		43	56	14			0	
8/8/2015		43	56	14			0	
8/9/2015		43	56	14			0	
8/10/2015		46	59	14			0	
8/11/2015		46	59	14			0	
8/12/2015		46	59	14			0	
. 8/13/2015		47	60	15			0	
8/14/2015		47	60	15			0	
8/15/2015		48	<b>6</b> 1	15			0	
8/16/2015		49	62	15			0	
8/17/2015		49	62	15			0	
8/18/2015		48	61	15			0	
8/19/2015		47	60	15			0	
8/20/2015		47	60	15			0	
8/21/2015		47	60	15			0	
8/22/2015		47	60	15			0	
8/23/2015		47	60	15			0	
8/24/2015		47	60	15			0	
8/25/2015		47	60	15			0	
8/26/2015		47	60	15			0	
8/27/2015		47	60	15			0	
8/28/2015		47	60	15			0	
8/29/2015		47	60	15			0	
8/30/2015		47	60	15			4	
8/31/2015		47	60	15			0	

Total 453 0

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Zimbelman 04-24)

St. Francis

St. Francis

None

September-15

FloBoss

FloBoss											
	Tubing	Casing						HRS		Water	REMARKS
DATE	PSI	PSI	STATIC	MCF _	SPM		CYCLE_	DOWN		BBLS	(Maximum length 110 characters)
9/1/2015		1	.3 2	6	2				2		being worked over
9/2/2015		4	13 5	6	10	6	24		0	10	need felt in oiler box
9/3/2015		4	3 5	6	10	6	24		0	20	
9/4/2015		4	7 6	0	20	6	24		0	20	
9/5/2015			55 6	8	22	6	24		0	20	
9/6/2015		5	55 6	8	25	6	24		0	20	
9/7/2015		5	i3 6	6	27	6	24		0	20	
9/8/2015		5	3 6	6	29	6	24		0	20	
9/9/2015		4	6 5	9	32	6	24		0	20	
9/10/2015		4	16 5	9	34	6	24		0	20	
9/11/2015		4	6 5	9	36	6	24		0	20	
9/12/2015		4	6 5	9	38	6	24		0	20	
9/13/2015		4	6 5	9	40	6	24		0	20	
9/14/2015		4	6 5	9	42	6	24		0	20	
9/15/2015		4	6 5	9	43	6	24		0	20	
9/16/2015		4	6 5	9	43	6	24		0	20	
9/17/2015		4	6 5	9	43	6	24		0	20	
9/18/2015		4	6 5	9	43	6	24		0	20	
9/19/2015		4	6 5	9	43	6	24		0	20	
9/20/2015		4	6 5	9	43	6	24		0	20	
9/21/2015		4	6 5	9	43	6	24		0	20	
9/22/2015		4	6 5	9	43	6	24		0	20	
9/23/2015		4	6 5	9	43	6	24		0	20	
9/24/2015		4	6 5	9	43	6	24		0	20	
9/25/2015		4	6 5	9	43	6	24		0	20	
9/26/2015		4	6 5	9	43	6	24		0	20	
9/27/2015		4	6 5	9	43	6	24		0	20	
9/28/2015		4	6 5	9	43	6	24		0	20	
9/29/2015		4	6 5	9	43	6	24		0	20	
9/30/2015		4	6 5		43	6	24		0	20	
10/1/2015			1:						0		

Total 1055 570

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