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

Type Test	t:		-T-0			(	See Instru	ctio	ns on Re	verse Sid	de,	)					
Op	en Flov	v į	XSI			Test Date	.,					ΛDI	No. 15				
	liverabi					6/22/14	۲.						·20609-00 <b>¢</b>	Ø			
Company		soui	rces						Lease Zimbeln	nan					4-24	Well Nu	ımber
•				Section 24					RNG (E/W) 41W			Acres Attributed 80					
Field									Gas Gathering Connection Branch Systems Inc.								
Completion Date F				Plug Bac 1403'	·g				Packer S	et at							
Casing Size Weight I				Internal D 4.052	Internal Diameter 4.052			=			Perforations 1202'			то to 1234'			
Tubing Si	ize		Weig	ht		Internal [	Internal Diameter Set at					Perforations			То		
Type Con Single (						Type Flui Dry Ga	d Producti	on				Pump Uni Pumpir	t or Traveling	Plur	nger? (Yes)	ger? (Yes) / No	
Producing		(Anr	rulus / Tubir	ng)	<del>-</del> ,	% Carbon Dioxide						% Nitroge	en		Gas Gravity - G		
Vertical D		)					Pre	essu	re Taps							Run) (P	rover) Size
1234'			_				Fla	nge	<u> </u>						2"		
Pressure	Buildup		Shut in 6-				14 at 8:30 (PM) Taken 6-			3-6	8 20 14				(	(AM)(PM)	
Well on L	ine: 		Started 6-2	22	2	0_14_at_8	:45	- Q	AM)(PM)	Taken_6	3-2	23 	20	14	at <u>9:30</u>	( (	AM)(PM)
	_						OBSERV	ΈD	SURFAC	E DATA	_			Dura	ation of Shut-	<sub>in_</sub> 360	) Hours
Static / Dynamic	-		· · · Meter		Differential Temperature Temp		Well Head Temperatur	Wellhead Pressure				Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>c</sub> ) or (P <sub>c</sub> )			Duration (Hours)		d Produced Barrels)
Property	Property (inches)		psig (Pm)		Inches H <sub>2</sub> 0	<u> </u>	t	psig psia		psia	1	psig	psia				
Shut-In								+	200	214.4	_	_	<del> </del>				
Flow							<u> </u>	!	50	64.4	_	_	<u> </u>	36	<u> </u>	0	
		_		_	<del>-</del>		FLOW ST	RE	AM ATTR	IBUTES							
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter or  Prover Pressure  psia			Press Gravity Extension Factor F <sub>m</sub> x h F <sub>0</sub>		tor	Temperature		ac	viation Metered Flow factor R F <sub>pv</sub> (Mcfd)		w GOR (Cubic Feet/ Barrel)			Flowing Fluid Gravity G <sub>m</sub>	
											_		36				
			_	<u> </u>	_	(OPEN FL	, ,	IVEF		-				-		2 = 0.2	207
$(P_c)^2 = $	<del></del>	_:_	(P <sub>w</sub> )²		ose formula 1 or 2.			_%		<u>- 14.4)</u>		14.4 =	<del></del> :_	_	(P <sub>d</sub> )	? =	<del></del>
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(F	$(P_c)^2 - (P_w)^2$ 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$		LOG of formula 1, or 2. and divide	formula 1, or 2. and divide P2-P2		Backpressure Curve Slope = "n" or Assigned Standard Slope			n x LOG			Antilog	Dei Equals	oen Flow Iverability SR x Antilog (Mcfd)	
	-			divid	ed by: $P_c^2 - P_w^2$	by:						+					·
Open Flo	<u>w</u>				Mcfd @ 14.	65 psia			Deliverab	ility				Mcfd	@ 1 <u>4.65</u> psi	a	
		-											e above repo	rt an	d that he ha	s know	rledge of
the facts s	tated th	nerei	n, and that s	said	report is true	and correct	t. Execute <b>Rec</b> As CORPOR	eive	ed			day of .De		11	Mite		20 <u>14                                    </u>
			Witness	(if any	n)		FEB 2		-	<u></u>	_	an	E For	Compa	(Will	uf	<u>,                                      </u>
			For Corr	missio	on	C	ONSERVAT WICH	ION	- Division				Che	cked b	у		

	,
	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
	joing pressure information and statements contained on this application form are true and
correct to the bes	of my knowledge and belief based upon available production summaries and lease records
of equipment insta	allation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby requ	est a one-year exemption from open flow testing for the Zimbelman 4-24
	ounds that said well:
(Check	one)
`	is a coalbed methane producer
一	is cycled on plunger lift due to water
一	is a source of natural gas for injection into an oil reservoir undergoing ER
Π	is on vacuum at the present time; KCC approval Docket No.
$\overline{\checkmark}$	is not capable of producing at a daily rate in excess of 250 mcf/D
I further agre	e to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessar	y to corroborate this claim for exemption from testing.
Date: <u>12/12/14</u>	<del></del>
KA	Received NSAS CORPORATION COMMISSION Signature:  Continue  Continu
	EED 2 F 2015
	Title: Floudchor Assistant
	CONSERVATION DIVISION WICHITA, KS

## 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

June-174

FloBoss

FIOBOSS	Casing				HRS	REMARKS
DATE	PSI	STATIC	MCF		DOWN	(Maximum length 110 characters)
6/1/20134	50	63		29	0	·
6/2/2013	55	68		27	0	
6/3/2013	49	62		27	0	turn on pumping unit
6/4/2013	62	75		29	0	
6/5/2013	46	59		32	0	
6/6/2013	46	59		32	0	turn off pumping unit
6/7/2013	176	189		21	9	
6/8/2013	190	203		0	24	
6/9/2013	202	215		0	24	
6/10/2013	213	226		0	24	
6/11/2013	223	236		0	24	
6/12/2013	223	236		0	24	
6/13/2013	217	230		0	24	
6/14/2013	213	226		0	24	
6/15/2013	203	216		0	24	
6/16/2018	200	213		0	24	
6/17/2013	194	207		0	24	
6/18/201	186	199		0	24	
6/19/2013	180	193		0	24	
6/20/201	176	189		0	24	
6/21/2013	170	183		0	24	
6/22/2013	170	183		0	24	
6/23/2013	117	130		17	5	
6/24/2013	107	120		56	0	
6/25/2013	101	114		39	0	
6/26/201	90	103		35	0	
6/27/201 <b>B</b>	82	95		32	0	
6/28/201 <b>3</b>	50	63		31	0	
6/29/2018	49	62		29	0	started pumping unit
6/30/2013	51	64		31	0	
7/1/2013					0	

Total 467

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CONSERVATION DIVISION WICHITA, KS

W383

Zimbelman 04-24

St. Francis

St. Francis

None

July-14

FloBoss

	Casing			HRS	Water	REMARKS
DATE	PSI	STATIC 1	MCF	DOWN	BBLS	(Maximum length 110 characters)
7/1/2014	51		32	0		
7/2/2014	51	64	32	0	18	
7/3/2014	51	64	34	0	20	
7/4/2014	51	64	34	0	18	
7/5/2014	52	65	34	0	19	
7/6/2014	52	65	35	0	20	
7/7/2014	53	66	35	0	19	
7/8/2014	55	68	35	0	18	
7/9/2014	56	69	35	0	19	
7/10/2014	56	69	35	0	18	
7/11/2014	58	71	35	0	19	
7/12/2014	58	71	35	0	20	
7/13/2014	58	71	36	0	19	
7/14/2014	86	99	36	0	18	
7/15/2014	48	61	36	0	18	
7/16/2014	51	64	36	0	19	
7/17/2014	51	64	36	0	20	
7/18/2014	51	64	36	0	19	4.5 BT
7/19/2014	49	62	36	0	18	
7/20/2014	50	63	35	0	18	
7/21/2014	132	145	35	0	18	
7/22/2014	129	142	4	22	19	
7/23/2014	75	88	31	7	20	
7/24/2014	57	70	34	3	8	
7/25/2014	49	62	28	4	0	started pumping unit
7/26/2014	48	61	32	0	12	
7/27/2014	49	62	34	0	18	
7/28/2014	49	62	34	0	20	
7/29/2014	49	62	35	0	18	
7/30/2014	51	64	35	0	19	
7/31/2014	51	64	35	0	18	

Total 1035 546

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CONSERVATION DIVISION WICHITA, KS

W383

Zimbelman 04-24

St. Francis

St. Francis

None

August-14

FloBoss

Total

FloBoss								<u> </u>
	Casing				-	HRS	Water	REMARKS
DATE	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
8/1/2014	5	0 63	35	6.5	14			
8/2/2014	4	9 62	35	6.5	14			
8/3/2014	5	0 63	35	6.5	14			
8/4/2014	5	0 63	35	6.5	14	. 0	23	
8/5/2014	5:	2 65	36	6.5	14		23	4.5 min BT
8/6/2014	5:	2 65	36	6.5	14		23	
8/7/2014	5	3 66	36	6.5	14	C	23	
8/8/2014	5.	3 66	36	6.5	14		23	
8/9/2014	5	4 67	37	6.5	14		23	
8/10/2014	5	6 69	36	6.5	14	(		
8/11/2014	5			6.5	14			
8/12/2014	4			6.5	14			
8/13/2014	5			6.5	14			
8/14/2014	5	0 63	36	6.5	14		23	
8/15/2014	5			6.5				
8/16/2014	5	5 68	36	6.5	14			
8/17/2014	5	6 69		6.5				
8/18/2014	5	6 69	36	6.5	14	(		
8/19/2014	6	4 77	36	6.5	14			
8/20/2014	5.	3 66	36	6.5	14			
8/21/2014	5	3 66	36	6.5	14		_	
8/22/2014	5	5 68	36	6.5	14	C		
8/23/2014	4		36	6.5				
8/24/2014	5			6.5		(		
8/25/2014	6			6.5			_	
8/26/2014	5			6.5	14	(		
8/27/2014	5			6.5				
8/28/2014	11			6.5				
8/29/2014	4			6.5				
8/30/2014	4			6.5	14			
8/31/2014	6	3 76	36	6.5	14		23	

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