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

Type Test	t:		****		(	See Instruct	ions on Re	verse Side	)				
□ Op	en Flor	N	<b>B</b> 51		Took Date				40	No de			
De	liverab	ilty			Test Date 7/9/2015					No. 15 023-20662 <del>-</del>	-0000		
Company		sour	ces				Lease Isernha	gen				Well Number	
					Section 25				RNG (E 41W	(W)		Acres Attributed 80	
Field St. Fran	cis				Reservoir Niobrara					thering Conn Systems In			
Completion Date 3/10/2006				Plug Bac 1463'	k Total Dept	h	Packer Set at						
Casing Size Weight 4 1/2" 10.5#				Internal D 4.052	Diameter	Set a 146		Perfo 128	rations 0'	то 1316'			
Tubing S none	ize		Weigh	t	Internal E	Diameter	Set a	at	Perfo	rations	То	То	
Type Cor Single (					Type Flui	d Production	1	_		nit or Traveling	Plunger? (es	)/ No	
Producing	-	(Anr	rulus / Tubing	j)	% C	arbon Dioxi	de		% Nitrog	jen	Gas Gr	avity - G <sub>g</sub>	
Vertical E	Depth(H	)					sure Taps	<u>.</u>		<del></del>	(Meter F	Run) (Prover) Size	
	Buildu	۰	Shut in 7-9		0_15 at 9	Flang 25		Taken 7-	10		15 at 9:40	(AM) (PM)	
Well on L		ρ. · ;	Started 7-1	0 2		15 at 9:25 (AM) (PM) Taken 7-					15 at 10:25	(AM))PM)	
					_	OBSERVE	D SURFACI	E DATA			Duration of Shut-		
Static / Dynamic	Static / Orlfice Meter Dynamic Size Property (inches) Property psig (Pm) Inc		Pressure Differential	Pressure Flowing Well Head Differential Temperature Temperature			ing Pressure	Wellhe	Tubing ead Pressure r (P <sub>e</sub> ) or (P <sub>e</sub> )	Duration (Hours)	Liquid Produced (Barrels)		
Property Shut-In			Inches H <sub>2</sub> 0	1 t		psig 88	psia 102.4	psig	psia	_			
Flow				<del>  -</del> -			48	62.4		<del></del>	24	0	
	!					FLOW STR	EAM ATTR	_	<u>!</u>				
Plate Coefficient (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>g</sub>		Flowing emperature Factor F <sub>11</sub>	I DAVISTIC		Metered Flov R (Mcfd)	y GOR (Cubic Fe Barrel)	Gravity			
										28			
					(OPEN FL	OW) (DELIV	ERABILITY	) CALCUL	ATIONS			2 = 0.207	
(P <sub>c</sub> )² ==		_:_		<del>:</del>			% (F	ි - 14.4) +	14.4 =	<del>:</del> _	(P <sub>d</sub> ):	·	
$(P_o)^2 - (P_a)^2$ $(P_o)^2 - (P_w)^2$ 1. F or $(P_o)^2 - (P_d)^2$ 2. F		1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_a^2$	P2-P2 1. or 2. and divide   P2-P2			ssure Curve pe = "n" - or signed ard Slope	n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)			
							<u></u>						
Open Flo	w			Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd @ 14.65 psi	a	
		_								ne above repo Pecember	ort and that he ha	s knowledge of	
me racis s	siated th	ietei	n, and that sa	aid report is true	and correc		inis ine		$\overline{}$	rall	naciti	 = (/ /)	
			Witness (i	f any)		APR 0	7 2016			For	Company	ny	
			For Comm	ission		_ <i>#</i>  F   N . U	1 TON_			Che	cked by		

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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 Isernhagen 22-25
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: 12/18/15
KCC WICHITA  Title: Production Assistant  RECEIVED

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.

W369 Isemhagen 22-25

St. Francis

St. Francis

None

July-15

-	Casing							HRS		Water	REMARKS
DATE	PSI	5	STATIC	MCF	SPM		CYCLE	DOWN		BBLS	(Maximum length 110 characters)
7/1/2015		50	63		29	6	12	_	0	17	
7/2/2015		49	62		29	6	12		0	17	
7/3/2015		49	62		29	6	12		0	17	
7/4/2015		49	62		29	6	12		0	17	
7/5/2015		49	63		29	6	12		0	17	
7/6/2015		48	71		29	6	12		2	17	
7/7/2015		48	61		29	6	12		0	17	
7/8/2015		48	61		28	6	12		16	17	turn off p u
7/9/2015		88	84		0	6	12		24	0	
7/10/2015	1	73	138		0	6	12		14	0	
7/11/2015	1	00	I 15		28	6	12		0	0	
7/12/2015		86	95		34	6	12		0	0	
7/13/2015		54	81		28	6	12		0	0	restarted pu
7/14/2015		50	65		28	6	12		0	17	
7/15/2015		50	61		28	6	12		0	17	
7/16/2015		50	62		28	6	12		0	17	
7/17/2015		50	62	,	28	6	12		0	17	
7/18/2015		48	61		28	6	12		0	17	
7/19/2015		48	61		28	6	12		0	17	
7/20/2015		48	61		28	6	12		0	17	
7/21/2015		49	73		28	6	12		2	17	
7/22/2015		48	61		28	6	12		0	17	
7/23/2015		48	61		28	6	12		0	17	
7/24/2015		48	61		28	6	12		0	17	
7/25/2015		48	61		28	6	12		0	17	
7/26/2015		48	61		28	6	12		0	17	
7/27/2015		47	60	ı	28	6	12		0	17	
7/28/2015		47	60	•	28	6	12		0	17	
7/29/2015		47	60	)	28	6	12		0	17	
7/30/2015		47	60	)	28	6	12		0	17	
7/31/2015		47	60	)	28	6	12	_	0	_ 17	
Total					827					442	

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W369 Isemhagen 22-25

St. Francis

St. Francis

None

August-15

	Casing					HRS		Water	REMARKS
DATE	PSI	STATIC	MCF	SPM	CYCLE	DOWN		BBLS	(Maximum length 110 characters
8/1/2015	48	3 61	2	8	6 1	2	0	17	
8/2/2015	48	61	2	8	6 1	2	0	17	
8/3/2015	49	62	. 2	8	6 1	2	0	17	
8/4/2015	48	3 61	2	8	6 1	2	0	17	
8/5/2015	47	7 60	2	8	6 1	2	0	17	
8/6/2015	47	7 60	2	9	6 1	2	0	17	
8/7/2015	48	3 61	2	9	6 1	2	0	17	
8/8/2015	48	3 61	2	9	6 1	2	0	17	
8/9/2015	49	62	. 2	8	6 1	2	0	17	
8/10/2015	52	2 65	2	8	6 1	2	0	17	
8/11/2015	52			8	6 1	2	0	17	
8/12/2015	52	2 65	2	8	6 1	2	0	17	
8/13/2015	53	3 66	2	8	6 1	2	0	17	
8/14/2015	53	3 66	2	8	6 1	2	0	17	
8/15/2015	51	3 66	2	9	6 1	2	0	17	
8/16/2015	54	1 67	2	8	6 1	2	0	17	
8/17/2015	53	3 66	2	8	6 1	2	0	17	
8/18/2015	53	3 66	2	8	6 1	2	0	17	
8/19/2015	54	4 67	2	8	6 1	2	0	17	
8/20/2015	51	3 66	2	8	6 1	2	0	17	
8/21/2015	53	3 66	2	8	6 1	2	0	17	
8/22/2015	53	3 66	2	8	6 1	2	0	17	
8/23/2015	54	4 67	2	8	6 1	2	0	17	
8/24/2015	51	3 66	2	8	6 1	2	0	17	
8/25/2015	54	4 67	. 2	8	6 1	2	0	17	
8/26/2015	5:	3 66	. 2	7	6 1	2	0	17	
8/27/2015	5	l 64	2	8	6 1	2	0	17	
8/28/2015	5	1 64	2	8	6 1	2	0	17	
8/29/2015	53	3 66	2	8	6 1	2	0	17	
8/30/2015	50	69	2	8	6 1	2	4	17	
8/31/2015	5	<u>3</u> 71	2	8	6 1	2	0	17	
Γotal			87	1				527	

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lsemhagen 22-25

St. Francis

St. Francis

None

Total

September-15

-	Casing					HRS		Water	REMARKS
DATE	PSI	STATIC	MCF	SPM	C	YCLE DOWN	[_	BBLS	(Maximum length 110 characters)
9/1/2015		59 82	2	27	6	12	0	17	
9/2/2015	4	19 62	<u>)</u>	28	6	12	0	17	
9/3/2015	•	19 62	2	28	6	12	0	17	
9/4/2015		53 66	5	28	6	12	0	17	
9/5/2015	;	58 71	!	28	6	12	0	17	
9/6/2015	(	51 74		28	6	12	0	17	
9/7/2015	(	50 73	}	28	6	12	0	17	
9/8/2015	;	59 72	2	28	6	12	0	17	
9/9/2015	(	51 74	ļ	27	6	12	0	17	
9/10/2015	:	50 63	3	27	6	12	0	17	
9/11/2015	;	53 66	5	27	6	12	0	17	
9/12/2015		55 68	3	28	6	12	0	17	
9/13/2015		54 67	7	28	6	12	0	17	
9/14/2015		35 68	3	28	6	12	0	17	
9/15/2015		56 69	)	28	6	12	0	17	
9/16/2015	;	57 70	)	28	6	12	0	17	
9/17/2015	;	58 71	Į	28	6	12	0	17	
9/18/2015	į	58 71	Į	28	6	12	0	17	
9/19/2015		55 68	3	28	6	12	0	17	
9/20/2015		53 66	5	28	6	12	0	17	
9/21/2015		54 67	7	28	6	12	0	17	
9/22/2015		55 68	3	28	6	12	0	17	
9/23/2015		56 69	)	28	6	12	0	17	
9/24/2015		0 69	)	28	6	12	0	17	
9/25/2015		0 69	)	28	6	12	0	17	
9/26/2015		0 69	)	28	6	12	0	17	
9/27/2015		0 69	)	28	6	12	0	17	
9/28/2015		0 69	)	28	6	12	0	17	
9/29/2015		0 69	)	28	6	12	0	17	
9/30/2015		0 69	)	28	6	12	0	17	
10/1/2015		0 (		0	6	12	0	17	

836

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527