KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

			mmission		PR 07	2016				cked by			
	idieu III		said report is i	KC	C MIC	CHITE		an, or _	all	Moi	15 15 Lluf		
	•	•	on behalf of t			•					as knowledge of		
Open Flor	w	-	Mcfd @	14.65 psia		Deliverat	ility			Mcfd @ 14.65 ps	sia		
	-			_		_				<u>-</u>			
(P _c) ² -(P _d) ²			2. P _c ² -P _d ² -	ana aiviae	P _c ² - P _w ²	As	signed ard Slope			/ ·······\$g	Equals R x Antilog (Mcfd)		
(P _c)²- (F	⊃_)2	(P _c) ² - (P _w) ²	1. P _c ² -P _s	or 2: LOG of formula		Slo	ssure Curve	n x	rog	Antilog	Open Flow Deliverability		
(P _c) ² =		_: (P _w)	² =:	•		'ERABILITY % (F) CALCUL ² 14.4) +		;) ² = 0.207) ² =		
									43				
Coeffieci	Plate Circle one: Press Coefficient Meter or Extension $(F_b)(F_p)$ Prover Pressure psla $P_m \times h$			Fac	vity	Flowing Temperature Factor Fit	emperature Fa		Metered Flov R (Mcfd)	v GOR (Cubic F Barrel	eet/ Fluid		
Flow						45	59.4		<u> </u>		0		
Shut-In						173	187.4 ———						
Static / Dynamic Property	Orifice Meter D Size Prover Pressure		Differenti	al Temperature	Well Head Temperature t	Cas Wellhead (P _w) or (F	Pressure () or (P _c) psia	(P _w) or (P ₁) or (P _c) psig psia		Duration (Hours)	Liquid Produced (Barrels)		
					OBSERVE	D SURFAC	E DATA			Duration of Shut	t-inHou		
Well on Li	•	Started 7		20 15 at 8		_				15 _{at} 9:25	(AM)(PM)		
Pressure	Buildur	o: Shut in 7	-9	20_15 at 8		(AM) (PM)	Taken 7-	10	20	15 _{at} 8:40	(AM)(PM)		
Vertical D	epth(H))			Pres Flan	sure Taps				(Meter	Run) (Prover) Size		
Annulus	-	(Annulus / Tub	oing)	% C	ardon Dioxi	ері		% Nitrog	en	.6	ravity - G		
Single (Сопу	(Describe) entional)	<u> </u>	Dry Ga	d Production			Pumpi	nit or Traveling ing Unit)/ No		
Tubing Si	ize	Wei	ight	Internal [Diameter	Set a	at 		rations	То	То		
Casing Si 4 1/2"	ize	Wei 10.		Internal I 4.052	Diameter	Set a 151		Perfo 131	rations 6'	то 1352	то 1352'		
Completic 9/10/200		•		Plug Bac 1508'	k Total Dep	th		Packer \$	Set at				
Field St. Franc	cis				Reservoir Niobrara				hering Conn Systems in				
County Cheyenr	ne	Loc NWS	ation E	Section 23		TWP 3S		RNG (E.	(W)		Acres Attributed 80		
Company Rosewoo		sources				Lease Isernha	gen			2-23	Well Number		
De	liverabi	lty		Test Date 7/9/201				API 15-	No. 15 023-20 <mark>587 -</mark>	- 0000			
Type Test	:: en Flov	, AST		(See instruc	tions on Re	verse Side	•					

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 record	— nd
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 2-23 gas well on the grounds that said well:	d. —
(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 Commis staff as necessary to corroborate this claim for exemption from testing.	sion
Date: _12/18/15	
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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.

W353 Iserihagen 02-23 4

St. Francis St. Francis None July-15

Total

	Tubing	Casing						HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SF	PM	CYCLE	DOWN	BBLS	(Maximum length 110 characters
7/1/2015		4	7	60	45	6.5	9.5		0 1	7
7/2/2015		4	7 .	59	45	6.5	9.5	, (0 1	7
7/3/2015		4	7 :	59	37	6.5	9.5		1 0	7
7/4/2015		4	7 :	59	45	6.5	9.5	. (1 0	7
7/5/2015		4	7 .	59	16	6.5	9.5	() 1	7
7/6/2015		4	5	55	41	6.5	9.5	;	2 1	7
7/7/2015		4	5 .	58	20	6.5	9.5	(0 1	7
7/8/2015		4	5 .	58	38	6.5	9.5	10	5 1	7 turn off p u
7/9/2015		9	0 1	15	0	6.5	9.5	24	4	0
7/10/2015		17	3 1:	22	0	6.5	9.5	14	4	0
7/11/2015		13	0 1	08	24	6.5	9.5	i (0	0
7/12/2015		10	4	92	54	6.5	9.5	; (0	0
7/13/2015		5	2	79	49	6.5	9.5	; (0 1	7
7/14/2015		4	6	60	37	6.5	9.5	; (1 0	7
7/15/2015		4	6	58	29	6.5	9.5	i (0 1	7
7/16/2015		4	6	59	36	6.5	9.5	; (0 1	7
7/17/2015		4	6	58	32	6.5	9.5	;	0 1	7 rpled sunsaver and battery
7/18/2015		4	5	58	33	6.5	9.5	; 1	0 1	7
7/19/2015		4	5	58	44	6.5	9.5	j 1	0 1	7
7/20/2015		4	5	58	44	6.5	9.5	,	0 1	7
7/21/2015		4	6	68	41	6.5	9.5	5	2 1	7
7/22/2015		4	5	59	43	6.5	9.5	5	0 1	7
7/23/2015		4	5	58	43	6.5	9.5	;	0 1	7
7/24/2015		4	5	58	43	6.5	9.5	i (0 1	7
7/25/2015		4	5	58	43	6.5	9.5	; 1	0 1	7
7/26/2015		4	5	58	43	6.5	9.5	;	0 1	7
7/27/2015		4	4	57	43	6.5	9.5	,	0 1	7
7/28/2015		4	4	57	43	6.5	9.5	5	0 1	7
7/29/2015		4	4	57	43	6.5	9.5	5	0 1	7
7/30/2015		4		57	43	6.5			0 1	7
7/31/2015		4		57	43	6.5				7

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W353 Usernhagen 02-23

St. Francis

St. Francis

None

August-15

	Tubing	Casing						HRS	Water		REMARKS
DATE	PSI	PSI	STATIC	MCF	S	PM	CYCLE	DOWN	BBLS		(Maximum length 110 characters
8/1/2015			15 5	8	43	6.5	9.5		0	17	
8/2/2015		4	15 5	8	43	6.5	9.5		0	17	
8/3/2015		4	16 5	9	43	6.5	9.5		0	17	
8/4/2015		4	15 5	8	43	6.5	9.5		0	17	
8/5/2015		4	14 5	7	43	6.5	9.5		0	17	
8/6/2015		4	14 5	7	43	6.5	9.5		0	17	
8/7/2015		4	15 5	8	43	6.5	9.5		0	17	
8/8/2015		4	15 5	8	43	6.5	9.5		0	17	
8/9/2015		4		i0	43	6.5	9.5		0	17	
8/10/2015		4	19 6	2	43	6.5			0	17	
8/11/2015		4	19 6	12	43	6.5	9.5		0	17	
8/12/2015		:	50 <i>6</i>	3	43	6.5	9.5		0	17	
8/13/2015		:	50 6	53	43	6.5	9.5		0	17	
8/14/2015		:	50 6	53	43	6.5	9.5		0	17	
8/15/2015		:	50 6	i3	43	6.5	9.5		0	17	
8/16/2015		:	52 6	55	43	6.5	9.5		0	17	
8/17/2015		:	50 <i>6</i>	3	44	6.5	9.5		0	17	
8/18/2015		:	50 <i>6</i>	3	44	6.5	9.5		0	17	
8/19/2015		:	ϵ 1 ϵ	54	43	6.5	9.5		0	17	
8/20/2015		:	50 6	53	44	6.5	9.5	;	0	17	
8/21/2015		:	50 <i>6</i>	í3	43	6.5	9.5	;	0	17	
8/22/2015		;	51 6	54	43	6.5	9.5	i	0	17	
8/23/2015		:	51 6	i4	43	6.5	9.5	i	0	17	
8/24/2015		:	51 6	54	43	6.5	9.5		0	17	
8/25/2015		:	51 6	54	43	6.5	9.5		0	17	
8/26/2015		:	51 6	i4	43	6.5	9.5		0	17	
8/27/2015		4	19 6	52	44	6.5	9.5		0	17	
8/28/2015		4	18 <i>e</i>	51	44	6.5		;	0	17	
8/29/2015		:	50 <i>6</i>	í3	43	6.5	9.5	;	0	17	
8/30/2015		:		66	42	6.5	9.5	;	4	17	
8/31/2015		;	55 6	8	42	6.5	9.5	·	0	17	
Total					1336					527	

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Isemhagen 02-23

St. Francis

St. Francis

None

September-15

	Tubing	Casing						HRS	1	Vater	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM		CYCLE	DOWN	F	BBLS	(Maximum length 110 characters)
9/1/2015		6:	7	3	38	6.5	9.5		0	17	
9/2/2015		4	7 6	0	47	6.5	9.5	i	0	17	
9/3/2015		40	ó 5 <u>9</u>	7	45	6.5	9.5		0	17	
9/4/2015		50	6.	3	43	6.5	9.5		0	17	
9/5/2015		5:	5 6	3	42	6.5	9.5		0	17	
9/6/2015		59	7:	2	42	6.5	9.5		0	17	
9/7/2015		5	3 7	1	43	6.5	9.5		0	17	
9/8/2015		50	5 69	9	43	6.5	9.5		0	17	
9/9/2015		5'	7 7	0	42	6.5	9.5		0	17	
9/10/2015		4	3 6	1	45	6.5	9.5		0	17	
9/11/2015		5	6	4	43	6.5	9.5		0	17	
9/12/2015		52	2 6:	5	42	6.5	9.5	ı	0	17	
9/13/2015		5	l 6	4	42	6.5	9.5		0	17	
9/14/2015		53	3 6	6	42	6.5	9.5		0	17	
9/15/2015		54	1 6	7	42	6.5	9.5		0	17	
9/16/2015		5:	5 6	8	42	6.5	9.5		0	17	
9/17/2015		56	5 69)	41	6.5	9.5		0	17	
9/18/2015		50	5 69)	42	6.5	9.5		0	17	
9/19/2015		52	2 6:	5	44	6.5	9.5		0	17	
9/20/2015		50	6:	3	43	6.5	9.5		0	17	
9/21/2015		5	l 64	4	43	6.5	9.5		0	17	
9/22/2015		5.	3 6	5	42	6.5	9.5		0	17	
9/23/2015		54	6	7	42	6.5	9.5	i	0	17	
9/24/2015		() 6'	7	42	6.5	9.5		0	17	
9/25/2015) 6'	7	42	6.5	9.5		0	17	
9/26/2015) 6'	7	42	6.5	9.5		0	17	
9/27/2015		() 6'	7	42	6.5	9.5		0	17	
9/28/2015) 6		42	6.5	9.5		0	17	
9/29/2015		1) 6	7	42	6.5	9.5		0	17	
9/30/2015		(42	6.5	9.5		0	17	
10/1/2015)	0	0	0		0	0	

Total 1274 510

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