KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	::	NAT.		(See Instruct	tions on Rev	erse Side)				
Parity and the				Test Date	Test Date: API No. 15							
	7/9/2015 025-20020-0000											
CompanyLeaseWell NumberRosewood Resources, Inc.Isernhagen12-25												
County Location Cheyenne SWNW/4			Section 25				RNG (E	/W)		Acres Attributed		
Field St. Francis				Reservoir Niobrara				thering Conn Systems In				
•	Completion Date Plug Back Total Depth Packer Set at 10/22/2005 1451'											
Casing Si 2 7/8"	ize	Weight 6.5#		Internal D 2.441	Internal Diameter Set at 2.441 1451'			Perfo 134	orations 1'	то 1373'	1373'	
Tubing Si		Weight		Internal I	Diameter	Set at	t .		orations	То		
Type Con Single (Convei	ntional)		Type Fluid Production Dry Gas				Pump U flowin	nit or Traveling g	_	(No)	
Producing Annulus	-	nnulus / Tubing)		% Carbon Dioxide				% Nitrog	gen	.6	avity - G _g	
Vertical D	epth(H)					sure Taps				(Meter F 2"	Run) (Prover) Size	
1373' Pressure	Buildun:	Shut in 7-9		15 at 9:	Flan	-	Taken 7-	10		15 _{at} 9:35	(AM)(PM)	
Well on L	-	Started 7-10								15 at 10:20	(AM)(PM)	
		_			OBSERVE	D SURFACE	DATA	_		Duration of Shut-	in_24 Hou	
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Temperature Temperature		Casing Wellhead Pressure (P_w) or (P_1) or (P_c)		Tubing ead Pressure or (P ₁) or (P ₂)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In		paig (i m)	menos 11 ₂ 0			173	187.4	psig	psìa			
Flow						58	72.4			24	0	
					FLOW STR	EAM ATTRI	BUTES					
Plate Coeffieci (F _b) (F Mcfd	ient p) f	Circle one: Meter or Prover Pressure psia Press Extension √ P _m x h		Fact	Gravity Te Factor F _g		Deviation Factor F _{pv}		Metered Flov R (Mcfd)	v GOR (Cubic Fe Barrel)	et/ Flowing Fluid Gravity G_m	
									27			
(P _c) ² =		(P)2	:	•	, ,	ERABILITY)	CALCUL - 14.4) +			(P _a) ² (P _a) ²	?= 0.207	
(P _c) ² - (F	P _a) ²		1. P _c ² - P _a ²	LOG of formula		Backpres	sure Curve e = "n"		roe	Antilog	Open Flow Deliverability	
(P _c) ² - (F	P _d) ²	d	2. P _c ² - P _d ² wided by: P _c ² - P _w	1, or 2, and divide by:	P _c ² -P _w ²	Ass	igned ird Slope				Equals R x Antilo (Mcfd)	
				 								
Open Flor	- ' -	I	Mcfd @ 14.	65 psia		Deliverabi	lity			Mcfd @ 14.65 psi	a	
		ed authority, on			tates that h		thorized to			ort and that he ha	s knowledge of	
the facts s	tated the	rein, and that sai	d report is tru	e and correc	t. Executed	this the 18	<u> </u>	day of _	December	41.1 0 5	, ₂₀ <u>15</u>	
		Witness (if		K	CC W	!CHITA		A	MUU Ford	JULLU Company	tuy	
-		For Commis			APR 07	2016 –			Cha	cked by		
		ror Commis	aiot)		-				Che	and 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 Isemhagen 12-25 gas well on the grounds that said well: (Check one)		
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(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 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. CC WICHITA Signature:		
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KCC WICHITA Signature:	staff as necessar	y to corroborate this claim for exemption from testing.
KCC WICHITA Signature:		
KCC WICHITA Signature:	Date: 12/18/15	
APR 07 2016 Title: Production Assistant	Date	
APR 07 2016 Title: Production Assistant		
APR 07 2016 Title: Production Assistant		
APR 07 2016 Title: Production Assistant		
APR 07 2016 Title: Production Assistant		KCC WICHITA Signature: Quall Martine
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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.

W373 Interpretation 12-25

St. Francis

St. Francis

None

July-15

	Casing		Н	RS	REMARKS
DATE	PSI	STATIC MCF	D	OWN	(Maximum length 110 characters)
7/1/2015	55	69	28	0	
7/2/2015	53	68	28	0	
7/3/2015	53	68	28	0	
7/4/2015	53	68	28	0	
7/5/2015	53	68	27	0	
7/6/2015	55	77	28	2	
7/7/2015	55	67	27	0	
7/8/2015	55	67	27	16	
7/9/2015	88	93	2	24	
7/10/2015	173	185	0	14	
7/11/2015	100	· 114	7	0	
7/12/2015	102	104	39	0	
7/13/2015	62	90	35	0	
7/14/2015	56	72	30	0	
7/15/2015	56	69	29	0	
7/16/2015	56	69	29	0	
7/17/2015	56	68	29	0	
7/18/2015	57	68	28	0	
7/19/2015	57	67	28	0	
7/20/2015	57	67	28	0	
7/21/2015	56	80	28	2	
7/22/2015	55	68	28	0	
7/23/2015	55	67	28	0	
7/24/2015	54	67	27	0	
7/25/2015	54	67	27	0	
7/26/2015	54	67	27	0	
7/27/2015	52	67	27	0	
7/28/2015	52	66	27	0	
7/29/2015	52	66	27	0	
7/30/2015	52	66	27	0	
7/31/2015	52	66	27_	0	

Total 805

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W373 Isernhagen 12-251

St. Francis

St. Francis

None

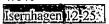
August-15

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
8/1/2015	54	67	27	0	
8/2/2015	54	67	27	0	
8/3/2015	55	68	27	0	
8/4/2015	54	67	27	0	
8/5/2015	53	66	27	0	
8/6/2015	53	66	27	0	
8/7/2015	54	67	27	0	
8/8/2015	54	67	27	0	
8/9/2015	55	68	27	0	
8/10/2015	57	70	27	0	
8/11/2015	58	71	27	0	
8/12/2015	58	71	27	0	
8/13/2015	58	71	27	0	
8/14/2015	58	71	27	0	
8/15/2015	59	72	27	0	
8/16/2015	60	73	27	0	
8/17/2015	58	71	27	0	
8/18/2015	58	71	27	0	
8/19/2015	59	72	27	0	
8/20/2015	58	71	27	0	
8/21/2015	58	71	27	0	
8/22/2015	59	72	27	0	
8/23/2015	59	72	27	0	
8/24/2015	59	72	27	0	
8/25/2015	59		27		
8/26/2015	59	72	27	0	
8/27/2015	57			0	
8/28/2015	56	69	27	0	
8/29/2015	58	71	27	0	
8/30/2015	61	74			
8/31/2015	63	76	27	0	

Total 837

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W373



St. Francis

St. Francis

None

September-15

	Casing			HRS	\Box	REMARKS
DATE	PSI	STATIC	MCF _	DOWN		(Maximum length 110 characters)
9/1/2015	76	89	2	6	0	
9/2/2015	55	68	2	7	0	
9/3/2015	55	68	2	6	0	
9/4/2015	58	71	2	7	0	
9/5/2015	63	76	2	7	0	
9/6/2015	66	79	2	7	0	
9/7/2015	65	78	2	7	0	
9/8/2015	64	77	2	7	0	
9/9/2015	67	80	2	7	0	
9/10/2015	56	69	2	6	0	
9/11/2015	58	71	2	6	0	
9/12/2015	60	• -		7	0	
9/13/2015	59			6	0	
9/14/2015	60	73	2	6	0	
9/15/2015	61	74	2	6	0	
9/16/2015	62	75	2	6	0	
9/17/2015	63	76	2	6	0	
9/18/2015	63	76	2	6	0	
9/19/2015	60	73	2	6	0	
9/20/2015	58	71	2	6	0	
9/21/2015	59	72	2	6	0	
9/22/2015	60	73	2	6	0	
9/23/2015	61	74	2	6	0	
9/24/2015	61	74	2	6	0	
9/25/2015	61	74	2	6	0	
9/26/2015	61	74		6	0	
9/27/2015	61	74		6	0	
9/28/2015	61	74		6	0	
9/29/2015	61	74	2	6	0	
9/30/2015	61	74	2	6	0	
10/1/2015	0	0		0	0	

Total 788

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