KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes			MCT		(See Instruc	tions on Ret	verse Side)						
Deliverabilty					Test Date:				API No. 15						
Deliverability															
Rosewood Resources, Inc. Isernhagen 21-26															
County Location Cheyenne NENW/4			Section 26	TWP 3S	• • • • • • • • • • • • • • • • • • • •			Acres Attributed 80			ttributed				
Field St. Fran	cis				Reservoir Niobrara			Gas Gathering Connect Branch Systems Inc.							
Completion Date Plug Back Total Depth Packer Set at 10/22/2005 1513'															
Casing Size Weight 2 7/8" 6.5#				Internal D 2.441	Diameter	Set at 1513'		Perforations 1381'		To 1413'					
Tubing S NONE	ize		Weigh		Internal [Diameter	Set a	it	Perfo	orations	_	То			
Type Cor Single (Type Fluid Production Dry Gas			Pump Unit or Traveling Plunge flowing						
Producing Annulus	_	(Anr	rulus / Tubing)	% Carbon Dioxide			% Nitrogen				Gas Gravity - G .6			
Vertical D	Depth(H	i				Pres Flan	sure Taps ge	-			_	(Meter R 2"	lun) (Pr	over) Size	
Pressure	Buildup	r: :	Shut in 7-9	2	15 at 1	1:20	(AM) (PM)	//) Taken_7-10		20	15 at_	11:30	(AM) (PM)	
Well on L)2	0 <u>15</u> at 1				Taken 7-11 20 _			1:20	(AM)(PM)	
			-			OBSERVE	D SURFACE	DATA			Duration	of Shut-i	24	Hours	
Static / Orifice Dynamic Size Property (Inches)		Meter I Prover Pressure		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	emperature Temperature		Casing Wellhead Pressure (P _w) or (P ₁) or (P ₀) psig psia		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			F + 13 ()			-	173	187.4	psig	psia		_		_	
Flow	<u> </u>						55	69.4			24		0		
						FLOW STR	EAM ATTR	IBUTES		-					
Plate Coeffictient (F _b) (F _p) Mcfd		Prover Pressure		Press Extension P _m xh	Gravity Factor F _g		Flowing Femperature Factor F ₁ ,	re Factor		Metered Flor R (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
						_				10					
			_		(OPEN FL	OW) (DELIV	ERABILITY	CALCUL	ATIONS		•	(P_a)²	= 0.20)7	
(P _c) ² =	 -	<u>.:</u>		Choose formula 1 or 2	P _d =		% (F	- 14.4) +	14.4 = _	:		(P _d) ²	=		
$(P_c)^2 - (P_a)^2$ (P_c)		'c)2- (P _w)2	 P_o² - P_a² P_o² - P_d² 	LOG of formula 1. or 2. and divide	formula 1. or 2. and divide p 2 p 2		Backpressure Curve Slope = "n"or Assigned Standard Slope		n x 100		Antilog Ec		Open Flow Deliverability Equals R x Antilog (Mcfd)		
				divided by: Pc2 - Pw	2 by:		Stario						`		
						_									
Open Flo				Mcfd @ 14			Deliverab	•			Mcfd @				
			-	behalf of the						he above repo December	ort and th	at he has		edge of 10 <u>15</u> .	
me lauto s	, aiou (G1 G 1	n, and that Sc	a report is the		C WIC			ZÊN	4.1	TIL	à th			
			Witness (if	any)		PR 0.7		-		For	Company	- 1	1		
			For Comm	ssion	А	 LK_MT	_ 			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
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.
Date: 12/18/15
KCC WICHITS Gnature: January Mactury APR 07 2016 Title: Production Assistant
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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.

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None

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July-15

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
7/1/2015	73	68	11	0	-
7/2/2015	73	67	11	0	
7/3/2015	73	67	11	0	
7/4/2015	73	67	10	0	
7/5/2015	73	67	11	0	
7/6/2015	52	67	9	2	
7/7/2015	52	66	0	0	
7/8/2015	52	66	11	16	
7/9/2015	90	96	1 I	24	
7/10/2015	173	157	11	14	
7/11/2015	98	121	10	0	
7/12/2015	76	95	11	0	
7/13/2015	68	85	11	0	
7/14/2015	68	69	11	0	
7/15/2015	68	66	10	0	
7/16/2015	68	66	11	0	
7/17/2015	68	66	19	0	
7/18/2015	68	65	13	0	
7/19/2015	68	65	11	0	
7/20/2015	68	65	11	0	
7/21/2015	72	. 77	11	2	drained water off seperator, bp
7/22/2015	50			0	drained water off seperator, bp
7/23/2015	50			0	
7/24/2015	7 2				drained water off seperator, bp
7/25/2015	68				
7/26/2015	70				
7/27/2015	64				drained water off seperator, bp
7/28/2015	64				
7/29/2015	64			0	
7/30/2015	64			0	
7/31/2015	64	77	11	0	

330 Total

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None

August-15

	Casing	<u> </u>	HR	as $\overline{}$	REMARKS
DATE	PSI ST	ATIC MCF	DC	WN	(Maximum length 110 characters)
8/1/2015	60	73	10	0	
8/2/2015	55	68	11	0	
8/3/2015	55	68	10	0	
8/4/2015	55	68	10	0	
8/5/2015	55	68	10	0	
8/6/2015	55	68	10	0	43#?
8/7/2015	55	68	10	0	
8/8/2015	55	68	10	0	
8/9/2015	55	68	10	0	
8/10/2015	57	70	5	0	
8/11/2015	57	70	10	0	
8/12/2015	58	71	11	0	
8/13/2015	58	71	10	0	
8/14/2015	58	71	10	0	
8/15/2015	58	71	10	0	
8/16/2015	59	72	10	0	
8/17/2015	58	71	10	0	
8/18/2015	58	71	10	0	
8/19/2015	50	72	10	0	
8/20/2015	58	71	5	0	cracked water valve at seperator
8/21/2015	58	71	3	0	closed water valve, leaking gas into wate
8/22/2015	59	72	9	0	
8/23/2015	59	72	10	0	
8/24/2015	58	71	10	0	
8/25/2015	59	72	10	0	
8/26/2015	58	71	10	0	
8/27/2015	57	70	11	0	
8/28/2015	56	69	11	0	
8/29/2015	59	72	10	0	
8/30/2015	61	74	10	4	
8/31/2015	63	76	10	0	

296 Total

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None

September-15

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
9/1/2015	77	90	9	0	
9/2/2015	54	67	11	0	
9/3/2015	55	68	10	0	
9/4/2015	58	71	10	0	
9/5/2015	63	76	10	0	
9/6/2015	66	79	9	0	
9/7/2015	65	78	9	0	
9/8/2015	64	77	9	0	
9/9/2015	66	79	10	0	
9/10/2015	55	68	10	0	
9/11/2015	59	72	9	0	
9/12/2015	60	73	9	0	
9/13/2015	59	72	9	0	
9/14/2015	60	73	9	0	
9/15/2015	61	74	9	0	
9/16/2015	63	76	9	0	
9/17/2015	63	76	9	0	
9/18/2015	63	76	9	0	
9/19/2015	50	73	9	0	
9/20/2015	58	71	9	0	
9/21/2015	59	72	9	0	
9/22/2015	60	73	9	0	
9/23/2015	62	75	9	0	
9/24/2015	62	75	9	0	
9/25/2015	62		9	0	
9/26/2015	62	75	9	0	
9/27/2015	62		9	0	
9/28/2015	62	75	9	0	
9/29/2015	62		9	0	
9/30/2015	62	75	9	0	
10/1/2015	0	0	0	0	

Total 277

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