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

	: en Flow liverabilt	ØSI		Test Date	:	ctions on R	everse Sic	AF	PI No. 15	•		
Company	,			3/7/2013	3	Lease		02	23-20633-00 <b>0</b>			II Number
Rosewood Resources, Inc.				R. Moore			33-28					
County Location Cheyenne NWSE			Section 28	Section TWP 28 2S			RNG (E/W) <b>42W</b>			Acr 80	es Attributed	
Field Cherry Creek					Reservoir Niobrara			Gas Gathering Connection Branch Systems Inc.				
Completic 10-21-20				Plug Back 1771'	Total Dep	oth		Packer	Set at			
Casing Size Weight 2.7/8" 6.5#			Internal D 2.441	iameter	Set - 177		Perforations 1648'			o 680'		
Tubing Size Weight NONE			Internal D	Diameter Set at			Perforations To			0	_	
Type Completion (Describe) Single (Conventional)			Type Fluid Production			Pump Unit or Traveling Plunger? flowing			Yes (	No		
Producing Thru (Annulus / Tubing)			% Carbon Dioxide				% Nitrogen			Gas Gravity - G <sub>g</sub>		
Annulus										6 .		
Vertical Depth(H) 1664'			Pressure Taps Flange					(N 2		) (Prover) Size		
Pressure	Buildup:	Shut in 3-	6. 2	0 13 at 1:	45	(AM)(PM	Taken_3	-7	20	13 at 2:	00	(AM)(PM)
Well on Li	ine:	Started 3-7	72	0 13 at 2:	00	(AM)(PM	Taken 3	-8	20	13 at 2:	45	(AM)(PM)
					OBSERVE	ED SURFAC	E DATA	· · · · · · · · · · · · · · · · · · ·		Duration of	Shut-in_	24 Hours
Static / Dynamic Property	Orifice Size (inches	Size Prover Pressure in		Flowing Well Head Temperature t		Wellhead (P <sub>w</sub> ) or (			Duration Liquid Produced (Hours) (Barrels)		•	
Shut-In						269	283.4	paig	рзіа			
Flow						28	42.4			24	C	)
			<del></del>	1	FLOW ST	REAM ATT	RIBUTES		<del></del>			
Plate Coeffieci (F <sub>b</sub> ) (F <sub>r</sub> Mcfd	ent	Circle one:  Meter or  Prover Pressure  psia	Press Extension √ P <sub>m</sub> x h	Gravi Facto F <sub>g</sub>		Flowing Temperature Factor F <sub>tt</sub>	F	viation actor F <sub>pv</sub>	Metered Flow R (Mcfd)	· (Cu	GOR ubic Feet/ Barrel)	Flowing Fluid Gravity G <sub>m</sub>
									2			
·		, .		(OPEN FLO							(P <sub>a</sub> ) <sup>2</sup> =	
(P <sub>c</sub> ) <sup>2</sup> =	<del></del> :	(P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2	P <sub>a</sub> = _		% (	P <sub>c</sub> - 14.4) -	+ 14.4 = _	:		$(P_d)^2 = $	<del></del>
(P <sub>c</sub> ) <sup>2</sup> - (F or (P <sub>c</sub> ) <sup>2</sup> - (F	P <sub>a</sub> ) <sup>2</sup>	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> 1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>		LOG of formula 1. or 2. and divide by:  LOG of formula 1. or 2. w		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x	n x LOG		Ec	Open Flow Deliverability uals R x Antilog (Mcfd)
Open Flov				65 psia		Deliveral	bility			Mcfd @ 14.	65 psia	
		ed authority.	on behalf of the	•	ates that h			to make t			•	nowledge of
	-	•	said report is true			•			December			, <sub>20</sub> <u>13</u> .
						-		Our		Mo	yti	wy
		Witness	(it any)				6	-	For C	company	KC	C WICH
		For Com	mission						Chec	ked by		3911

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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
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
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 R. Moore 33-28  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
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 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 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: 12/10/13
Signature:

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.

KCC WICHITA

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W438 R. Moore 33-28 West St. Francis St. Francis None March-13

	Casing		Н	RS	REMARKS
DATE	PSI	STATIC MCF	D	OWN	(Maximum length 110 characters)
3/1/2013	38	51	2		
3/2/2013	38	51	2		
3/3/2013	30	43	2		
3/4/2013	29	42	2		
3/5/2013	61	75	2		
3/6/2013	106	119	0		shut well in for state test
3/7/2013	269	119	0	24	
3/8/2013	74	88	3		
3/9/2013	53	67	2		
3/10/2013	42	55	2		
3/11/2013	27	24	2		
3/12/2013	72	86	2	3	
3/13/2013	43	57	2		
3/14/2013	58	72	2	1	
3/15/2013	70	83	2		
3/16/2013	58	71	2		•
3/17/2013	51	64	2		·
3/18/2013	56	69	2		
3/19/2013	55	68	2		
3/20/2013	45	59	2		
3/21/2013	28	42	2		
3/22/2013	28	42	2		
3/23/2013	· 28	42	2		
3/24/2013	29	43	2		
3/25/2013	69	82	2		
3/26/2013	57	71	1		
3/27/2013	28	42	2		
3/28/2013	28	42	2		
3/29/2013	28	41	2		
3/30/2013	28	42	2		
3/31/2013	28	42	2		

Total 58

W438 R. Moore 33-28 West St. Francis St. Francis None April-13

	Casing		HRS	REMARKS
DATE	PSI	STATIC MCF	DOWN	(Maximum length 110 characters)
4/1/2013	29	42	2	
4/2/2013	29	42	2	
4/3/2013	30	43	2	
4/4/2013	32	45	2	
4/5/2013	68	81	2	
4/6/2013	62	? 75	2	
4/7/2013	62	2 75	2	
4/8/2013	50	63	2	
4/9/2013	44	57	2	
4/10/2013	48	61	2 2	
4/11/2013	27	41	2	
4/12/2013	26	39	2	
4/13/2013	77	90	2 1	
4/14/2013	58	71	2	
4/15/2013	41	62	2	
4/16/2013	26	39	2	
4/17/2013	40	53	2	
4/18/2013	30	43	2	
4/19/2013	31	44	2	
4/20/2013	49	62	2	
4/21/2013	49	62	2	
4/22/2013	49	62	2	
4/23/2013	49	62	2	
4/24/2013	50	63	2	
4/25/2013	50	63	2	
4/26/2013	51	64	2	
4/27/2013	51	64	2	
4/28/2013	63	76	2	
4/29/2013	63	76	2	
4/30/2013	57	70	2	
5/1/2013				

Total 60

W438 R. Moore 33-28 West St. Francis St. Francis None May-13

	Casing		HRS	REMARKS
DATE	PSI	STATIC MCF	DOWN	(Maximum length 110 characters)
5/1/2013	58	71	2	
5/2/2013	63	76	1	
5/3/2013	53	66	2	
5/4/2013	50	64	2	
5/5/2013	49	62	2	
5/6/2013	50	63	2	
5/7/2013	52	66	2	
5/8/2013	56	70	1	
5/9/2013	62	76	2	
5/10/2013	43	56	2	
5/11/2013	34	47	2	
5/12/2013	32	45	2	
5/13/2013	34	47	2	
5/14/2013	34	47	2 .	
5/15/2013	99	112	2 3	
5/16/2013	75	88	2	
5/17/2013	35	48	2	
5/18/2013	30	43	2	
5/19/2013	45	58	2	
5/20/2013	38	51	2	
5/21/2013	41	54	2	
5/22/2013	89	102	2 14	
5/23/2013	147	160	1 10	
5/24/2013	106	119	. 3 4	
5/25/2013	94	107	1	
5/26/2013	88	101	2	
5/27/2013	85	98	2	•
5/28/2013	76	89	2	
5/29/2013	66	79	2	
5/30/2013	54	67	2	
5/31/2013	51	64	2	

Total 59