KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test		M151-		(See Instruct	tions on Rev	rerse Side)				
Open Flow Deliverability				Test Date: API No. 15 9/30/2015 181-20358-00 00								
Company		ources		Lease T. Richardson					Well Number			
County Location Sherman SENENE			Section 34				RNG (E/W) 40W			Acres 80	Attributed	
Field Goodlan	nd				Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.			
Completion 8-17-200				Plug Bac 1275'	k Total Dept	th		Packer :	Set at			
Casing S 2 7/8"	lize	Weight 6.5#		Internal D	Diameter				Perforations 1106'		3'	
Tubing S	ize	Weight		Internal [Internal Diameter Set at			Perfo	orations	То	_	
Type Cor Single ((Describe) ntional)			Type Fluid Production Dry Gas			Pump Unit or Traveling Plunger? Flowing			s / No)
Producing		Annulus / Tubing)	1	% C	% Carbon Dioxide %				gen	Gas .6	Gravity -	G,
Vertical E	Depth(H)				Pressure Taps Flange					(Mete	er Run) (F	rover) Size
Pressure	Buildup:			15 at 1				n 10-1 20 15				(AM)(PM)
Well on L	ine:	Started 10-1	2	o <u>15</u> at <u>1</u>	1:15	(PM)	Taken 10)-2	20	15 _{at} 11:5	5	(AM)(PM)
					OBSERVE	D SURFACE				Duration of Sh	24 ut-in24	Hours
Static / Dynamic Property	Static / Orifice Meter Differenti Dynamic Size Prover Pressure in		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Temperature Temperature		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P_w) or (P_1) or (P_c) psig psia			id Produced (Barrels)
Shut-In	_						22.4					
Flow			<u> </u>			1 _	15.4			24	0	
					FLOW STR	EAM ATTRI	BUTES				_	
Plate Coefficient (F₀) (F₀) Mcfd Circle one: Meter or Prover Pressure psia Press Extension ✓ Pտx h		Fact	Gravity Factor F		Deviation Factor F _{pv}		Metered Flov R (Mcfd)	w GC (Cubic Barr	Feet/	Flowing Fluid Gravity G _m		
									4			
(P _c) ² =	:	(P) ² =	:	(OPEN FLO	, ,	ERABILITY) % (P	CALCUL c - 14.4) +		:		$(P_a)^2 = 0.2$ $(P_a)^2 = 0.2$	207
(P _c) ² - (I	-	(P _c) ² - (P _w) ²	hoose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ ivided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Backpres Slop Ass	ssure Curve e ≈ "n" or signed ard Slope		roe	Antilog	O De	pen Flow liverability s R x Antilog (Mcfd)
						_	_				<u> </u>	
Open Flo			Mcfd @ 14.			Deliverabi	_ 			Mcfd @ 14.65		
	_	ed authority, on rein, and that sai							ne above repo December	ort and that he	has knov	20 <u>15</u> .
	- -							Za s		Mar	tim	1
		Witness (if	any)			VICHIT				Company		/
		For Commis	sion		APR 0	7 2016			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 T. Richardson 1-34
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: 12/22/15
Signature: COVICINA Title: Production Assistant APR 07 2016 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.

W417

T. Richardson 1-32

South Goodland

Goodland

None

September-15

	Casing		HR	S	REMARKS
DATE	PSI	STATIC MC	F_DC)WN	(Maximum length 110 characters)
9/1/2015	1	14	4	0	
9/2/2015	1	. 14	4	0	
9/3/2015	1	14	4	0	
9/4/2015	1	14	4	0	
9/5/2015	. 1	. 14	4	0	
9/6/2015	I	14	4	0	
9/7/2015	1	. 14	4	0	
9/8/2015	1	. 14	4	0	
9/9/2015	1	14	4	0	
9/10/2015	1	. 14	4	0	
9/11/2015	1	. 14	4	0	
9/12/2015	1	14	4	0	
9/13/2015	1	. 14	4	0	
9/14/2015	1	14	4	0	
9/15/2015	1	14	4	0	
9/16/2015	1	14	4	0	
9/17/2015	1	14	4	0	
9/18/2015	1	14	4	0	
9/19/2015	1	. 14	4	0	
9/20/2015	1	14	4	0	
9/21/2015	1	. 14	4	0	
9/22/2015	1	14	4	0	
9/23/2015	1	14	4	0	
9/24/2015	1	14	4	0	
9/25/2015	1	14	4	0	
9/26/2015	1	14	4	0	
9/27/2015	1	14	4	0	
9/28/2015	1	14	4	0	
9/29/2015	1	14	0	22	
9/30/2015	8	21	0	24 2	24 hr shut in pressure for state
10/1/2015	0	0	0	0	

Total 112

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W417

T. Richardson 1234

South Goodland

Goodland

None

October-15

	Casing		HRS		REMARKS
DATE	PSI	STATIC MCF	D	OWN	(Maximum length 110 characters)
10/1/2015	9	22	0	24	
10/2/2015	6	19	4	7	
10/3/2015	4	17	5	0	
10/4/2015	3	16	5	0	
10/5/2015	3	16	4	0	
10/6/2015	2	15	4	0	
10/7/2015	2	15	4	0	
10/8/2015	2	15	4	2	
10/9/2015	2	15	4	2	
10/10/2015	2	15	4	2	
10/11/2015	1	14	4	0	
10/12/2015	1	14	4	4	
10/13/2015	1	14	4	0	
10/14/2015	1	14	4	0	
10/15/2015	1	14	4	0	
10/16/2015	1	14	4	0	
10/17/2015	1	14	4	0	
10/18/2015	1	14	4	0	
10/19/2015	1	14	4	0	
10/20/2015	1	14	4	0	
10/21/2015	1	14	4	0	
10/22/2015	1	14	4	0	•
10/23/2015	1	14	4	0	
10/24/2015	1	14	4	0	
10/25/2015	1	14	4	0	
10/26/2015	1	14	4	0	
10/27/2015	1	14	4	0	
10/28/2015	1	14	4	0	
10/29/2015	1	14	4	0	
10/30/2015	1	14	4	0	
10/31/2015	1	14	4	0	

Total 122

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W417 TirRichardson 1-34

South Goodland

Goodland

None

November-15

	Casing		ŀ	IRS	REMARKS
DATE	PSI	STATIC MCF	Γ	OWN	(Maximum length 110 characters)
11/1/2015	1	14	4	0	
11/2/2015	1	. 14	4	0	
11/3/2015	1	. 14	4	0	
11/4/2015	1	. 14	4	0	
11/5/2015	1	14	4	0	
11/6/2015	1	14	4	0	
11/7/2015	1	14	4	0	
11/8/2015	1	14	4	0	
11/9/2015	1	14	4	0	
11/10/2015	1	14	4	0	
11/11/2015	1	14	4	0	
11/12/2015	1	14	4	0	
11/13/2015	1	14	4	0	
11/14/2015	1	14	4	0	
11/15/2015	1	14	4	0	
11/16/2015	1	14	4	0	
11/17/2015	1	14	4	0	
11/18/2015	1	14	4	0	
11/19/2015	1	14	4	0	
11/20/2015]	14	4	1	
11/21/2015	1	14	4	0	
11/22/2015	1	l 14	4	0	
11/23/2015	1	l 14	4	0	
11/24/2015	1	l 14	4	0	
11/25/2015	1	l 14	4	0	
11/26/2015		1 14	4	0	
11/27/2015		1 14	4	0	
11/28/2015		1 14	4	0	
11/29/2015		14	3	0	
11/30/2015		I 14	4	0	
12/1/2015	(0 0	0	0	

Total 119

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