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

Type Test			CET	_	(	See Instruct	ions on Re	verse Side	)			
Deliverability					Test Date: API No. 15 9/30/2015 181-20541-000					G		
Company	y od Re	sour	ces, Inc.		0.00.20		Lease Philbric	 k			<del></del>	Well Number
County Location S			Section 10				RNG (E.	W)		Acres Attributed 80		
Field F				Reservoir Niobrara				hering Conn Systems In				
Completion 6/13/08	on Date	9			Plug Bac 1263'	Plug Back Total Depth 1263'			Packer S	Set at		
Casing S 2 7/8"	ize		Weigh 6.5#	t	Internal Diameter 2.441		Set at 1263'		Perforations 1034'		то 1064'	
Tubing S NONE	ize		Weigh	t	Internal D	Internal Diameter Set at				rations	To	
Type Con Single (	(Conv	enti	onal)			Type Fluid Production DryGas			flowing			(No)
Producing Annulus	_	(Anr	nulus / Tubing	3)		arbon Dioxi	de		% Nitrog	en	Gas Gr .6	avity - G <sub>g</sub>
Vertical D	Pepth(H	'}				Pressure Taps Flange					(Meter I 2"	Run) (Prover) Size
Pressure	Builduj	p:	Shut in 9-3	0 2	0 15 at 10	0:40	(PM)	Taken_10	)-1	20	15 <sub>at</sub> 10:50	(AM)(PM)
Well on L		:	Started 10-	12	0 <u>15</u> at <u>1</u>	0:50	(PM)	Taken 10	)-2	20	15 at 11:40	(AM)(PM)
-						OBSERVE	D SURFAC	E DATA			Duration of Shut-	in_24Hours
Static / Dynamic Property	Dynamic Size Proyer Pressure		Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t Well Head Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In							4	18.4	poig	p3/4		
Flow	 						1	15.4		<u> </u>	24	0
			Circle one:		<del></del>	FLOW STR		IBUTES				Flaville
Plate Coefficient  (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd  Circle one:  Meter or Press Extension  Press Extension  Press Extension		Gravity Factor F <sub>g</sub>		Flowing emperature Factor F <sub>rt</sub>	Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)	et/ Flowing   Fluid Gravity G_m			
									_	6		
	_				(OPEN FL	OW) (DELIV	ERABILITY	) CALCUL	ATIONS		(P <sub>a</sub> )	<sup>2</sup> = 0.207
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =		P <sub>d</sub> =		% (F	<u> - 14.4)</u> +	14.4 =	<del></del> ::	(P <sub>d</sub> )	2=
(P <sub>c</sub> ) <sup>2</sup> - (I or (P <sub>c</sub> ) <sup>2</sup> - (I	•	(P	(c)2- (P <sub>w</sub> )2	Choose formula 1 or 2  1. $P_o^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_d^2$	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Slo As	ssure Curve pe = "n" - or signed lard Slope	n x	LOG	Antilog	Open Flow Deliverability Equals A x Antilog (Mcfd)
Open Flo			1	 Mcfd @ 14.	65 neia		Deliverat				Mcfd @ 14.65 psi	
		aned			_	tates that h			n make ti	_	ort and that he ha	
		•	•	aid report is true						ecember		, 20 15
			Witness (i	(any)		KCC /	NICH	TA_	Te	es and	JUL OU	tung
			For Comm			APR (	7 2016				cked by	
			. or contin							3110		

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status und	er Rule K.A.R. 82-3-304 on behalf of the operator_Rosewood Resources, Inc.
and that the foreg	oing 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 insta	Illation and/or upon type of completion or upon use being made of the gas well herein named.
l hereby reque	est a one-year exemption from open flow testing for the Philbrick 43-10
	ounds that said well:
(Check	one)
7,007.0	is a coalbed methane producer
H	is cycled on plunger lift due to water
듬	is a source of natural gas for injection into an oil reservoir undergoing ER
片	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
L <u>V</u> .,	is not supusic or producing at a daily rate in excess of 250 mon2
I further agree	to supply to the best of my ability any and all supporting documents deemed by Commission
_	to corroborate this claim for exemption from testing.
Date: 12/22/15	
Jate: 12/22/15_	<del></del>
	CONCHITA Signature: Dennel Marliny
	APR 0 7 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.

W2589

## Philbrick 43-10

South Goodland

Goodland

None

September-15

	Casing		Н	RS	REMARKS
DATE	PSI	STATIC M		OWN	(Maximum length 110 characters)
9/1/2015		<u> </u>	5	0	
9/2/2015		1 14	5	0	
9/3/2015		1 14	5	0	
9/4/2015		1 14	5	0	
9/5/2015	•	1 14	5	0	
9/6/2015	•	l 14	5	0	
9/7/2015		1 14	5	0	
9/8/2015		I 14	5	0	
9/9/2015		1 14	5	0	
9/10/2015	•	1 14	5	0	
9/11/2015		1 14	5	0	
9/12/2015		1 14	6	0	
9/13/2015		1 14	5	0	
9/14/2015		1 14	5	0	
9/15/2015		1 14	5	0	
9/16/2015		1 14	5	0	
9/17/2015		1 14	5	0	
9/18/2015		1 14	5	0	
9/19/2015		1 14	6	0	
9/20/2015		1 14	6	0	
9/21/2015	•	1 14	5	0	
9/22/2015		l 14	5	0	
9/23/2015		1 14	5	0	
9/24/2015		1 14	6	0	
9/25/2015		1 14	6	0	
9/26/2015	•	l 14	6	0	
9/27/2015		1 14	6	0	
9/28/2015		1 14	5	0	
9/29/2015		1 14	0	22	
9/30/2015	4	4 17	0	24	24 hr shut in pressure for state
10/1/2015		00	0	0	

Total 147

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Philbrick 43-10.

South Goodland

Goodland

None

October-15

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

Total 174

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Philorick 43-10

South Goodland

Goodland

None

November-15

	Casing			HRS	REMARKS
DATE	PSI	STATIC N	ИCF	DOWN	(Maximum length 110 characters)
11/1/2015		14	6	0	<del></del>
11/2/2015	]	l 14	6	0	
11/3/2015		l 14	6	0	
11/4/2015		14	6	0	
11/5/2015		14	6	0	
11/6/2015		l 14	6	0	
11/7/2015	•	14	6	0	
11/8/2015		14	6	0	
11/9/2015	•	l 14	6	0	
11/10/2015		l 14	5	0	
11/11/2015		1 14	6	0	
11/12/2015	•	1 14	6	0	
11/13/2015		1 14	6	0	
11/14/2015		1 14	6	0	
11/15/2015		I 14	6	0	
11/16/2015		14	6	0	
11/17/2015		1 14	6	0	
11/18/2015		1 14	6	0	
11/19/2015		1 14	6	0	
11/20/2015		1 14	6	1	
11/21/2015		1 14	6	0	
11/22/2015		1 14	6	0	
11/23/2015		1 14	6	0	
11/24/2015		1 14	6	0	
11/25/2015		1 14	6	0	
11/26/2015		1 14	6	0	
11/27/2015		1 14	6	0	
11/28/2015		1 14	6	0	
11/29/2015		1 14	7	0	
11/30/2015		1 14	6	0	
12/1/2015	(	0 0	0	0	

Total 180

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