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

Type Test			. —		ſ	See Instruci	tions on Re	verse Side	∌)					
□ Ор	en Flo	w D	\$2I.						451	N- 45				
Deliverabilty					10/1/14	Test Date: API No. 15 10/1/14 181-20423-01-00					00			
Company		soui	rces, Inc.		····		Lease G. Ihriç	 }			34-2	Well N	umber	
County Location Sherman SWSE/				Section 21				RNG (E/	W)		Acres Attributed 80			
Field						Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.				
					Plug Bac 3425'					Set at				
Casing Si 4 1/2"	Casing Size Weight				Internal Diameter Set at 4.000 3425'			Perfo 334	rations 2'	то 3357	то 3357'			
Tubing Si	ize	_	Weigh	1	Internal [	Internal Diameter Set at			Perfo	rations	То			
Type Con Single (						Type Fluid Production Dry Gas				Pump Unit or Traveling Plunger? Yes No Flowing				
	Thru		rulus / Tubing	)	<u>-</u>	arbon Dioxi	de	-	% Nitrog	en	Gas .6	Gas Gravity - G <sub>g</sub> .6		
Vertical D		H)	<del></del>	<del>.</del>	<del></del> _	Pressure Taps					(Mete	(Meter Run) (Prover) Size		
1102' Pressure	D.:11-1.		Shut in 9-3	) ,	0 14 24 1	Flan:	<del></del> -	1(	D-1		14 <sub>at</sub> 1:50	_	(AM) (PM))	
Well on L			Started 10-	2 12	0at 0_ <u>14</u> _at1	:50	(AM)(PM)	Taken1	0-2	20	14 at 2:40		(AM) (PM)	
		_	<del></del> .				D SURFAC	<del></del> -			Duration of Sh	<sub>ut-in</sub> 24	Hours	
Static / Dynamic	namic Size <i>Meter</i> Differential		Differential	Flowing Well Head Temperature		Casing Welihead Pressure (P <sub>w</sub> ) or (P <sub>p</sub> ) or (P <sub>p</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liqu	ild Produced (Barrels)		
Property Shut-In	(Inch	.es)	psig (Pm)	Inches H <sub>2</sub> 0	t	t	psig _	psla	psig	psia		-		
Flow	_	_					5	19.4		<del> </del>	24	0		
			!		<u> </u>	FLOW STR	REAM ATTR		<u> </u>	_!				
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mofd		Circle one:  Meter or  Prover Pressure psia		Press Extension	tension Factor		Temperature Factor		viation Metered Flow actor R F <sub>pv</sub> (Mcfd)		v GO (Cubic Barr	Feet/	Flowing Fluid Gravity G <sub>m</sub>	
										7				
(D.)			<b></b>		•	OW) (DELIV		-				) <sup>2</sup> == 0.	207	
$(P_a)^2 = $ $(P_a)^2 - (P_a)^2 - ($	P <sub>a</sub> ) <sup>2</sup>		$(P_w)^2 \approx \frac{(P_w)^2}{(P_w)^2}$	Choose formula 1 or 2  1. P <sub>o</sub> <sup>2</sup> -P <sub>4</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>			Backpre Slo	essure Curve pe = "n" - or signed	l n x i		Antilog	De	Open Flow Diverability	
	6′			divided by: Pc Pw		P.º - P.º		lard Slope				+	(Mcfd)	
		_												
Open Flo	w			Mcfd @ 14.	65 psia		Deliverat	oility	_		Mcfd @ 14.65	psia		
		_	-		-						ort and that he		wledge of	
tne facts s	stated t	inere	in, and that sa	aid report is true		C WIC					Mart	גענו	~ · · · · · · · · · · · · · · · · · · ·	
			Witness (i	f any)		EB 2.3			<u> </u>	For	Company Company	7	<b>-</b>	
			For Comm	issian		ED VOC		<u></u>		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 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 correct to the best of my knowledge and belief based upon available production summaries and lease of equipment installation and/or upon type of completion or upon use being made of the gas well herein I hereby request a one-year exemption from open flow testing for the G. Ihrig 34-21H gas well on the grounds that said well:	true and
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 C staff as necessary to corroborate this claim for exemption from testing.	Commission
FEB 23 2015  RECEIVED  Signature:	<u>/</u>

## 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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North Goodland

Goodland

None

September-14

	Casing			HI	RS	REMARKS
DATE	PSI	STATIC	MCF	D	OWN	(Maximum length 110 characters)
9/1/2014		4 1	7	7	0	
9/2/2014		4 1	.7	7	0	
9/3/2014		4 1	7	7	0	
9/4/2014		4 1	7	7	0	
9/5/2014		4 1	7	7	0	
9/6/2014		4 1	7	7	0	
9/7/2014	1	4 1	7	7	0	
9/8/2014		4 1	7	7	0	
9/9/2014		5 1	8	7	0	
9/10/2014	,	5 1	8	7	0	
9/11/2014		5 1	8	7	0	
9/12/2014		5 1	8	7	0	
9/13/2014		5 1	8	7	0	
9/14/2014	,	5 1	8	7	0	
9/15/2014	;	5 i	8	7	0.5	
9/16/2014		5 1	8	7	0	
9/17/2014	;	5 1	8	7	0	
9/18/2014	,	5 1	8	7	0.5	
9/19/2014		5 1	8	7	0	
9/20/2014	,	5 1	8	7	0	
9/21/2014	•	5 1	8	7	0	
9/22/2014		5 1	8	7	0	
9/23/2014	•	5 1	8	7	0	
9/24/2014	:	5 i	8	7	0	
9/25/2014		5 1	8	7	0	
9/26/2014	:	5 1	8	7	0	
9/27/2014	,	5 1	8	7	0	
9/28/2014	;	5 1	8	7	0	
9/29/2014	,	5 1	8	7	0	
9/30/2014	÷	5 1	8	7	0	shut in for state
10/1/2014		0	0	0	0	opened up

Total

210

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North Goodland

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None

Total

October-14

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
10/1/2014	18	31	(	) 24	opened up
10/2/2014	5	5 18	5	5 0	
10/3/2014	5	5 18	•	5 0	
10/4/2014	5	5 18	1	7 0	
10/5/2014	5	5 18	7	7 0	
10/6/2014	5	5 18	1	7 0	
10/7/2014	5	5 18		7 0	
10/8/2014	5	5 18	. 7	7 0	meter blank, reset - f no signal
10/9/2014	5	5 18	$\epsilon$	5 0	
10/10/2014	5	5 18	7	7 0	
10/11/2014		5 18	7	7 1	
10/12/2014	5	5 18	7	7 0	
10/13/2014	5	5 18	7	7 0	
10/14/2014	5	5 18	1	7 0	
10/15/2014	5	5 18	7	7 0	
10/16/2014	5	5 18	7	7 1	
10/17/2014	5	5 18	. 7	7 0	
10/18/2014	4	18	i t	5 0	
10/19/2014	5	5 18	7	7 0	
10/20/2014	5	5 18	;	7 0	
10/21/2014	5	5 18	1	7 0	f no signal, replaced battery, f no signa
10/22/2014	5	5 18	1	7 0	ı
10/23/2014	5	5 18	7	7 0	
10/24/2014	5	5 18	1	7 0	
10/25/2014	5	5 18	•	5 0	ı
10/26/2014	5	5 18	7	7 0	
10/27/2014	5	5 18	: :	5 0	
10/28/2014	5	5 18	1	7 0	•
10/29/2014	5	5 18	3	7 0	bad meter
10/30/2014	5	5 18	;	7 0	
10/31/2014	5	5 18	;	7 0	· _

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North Goodland

Goodland

None

November-14

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN	1	(Maximum length 110 characters)
11/1/2014		4	17	7	0	
11/2/2014		4	17	7	0	
11/3/2014		4	17	7	0	
11/4/2014		4	17	7	0	
11/5/2014		4	17	7	0	
11/6/2014		4	17	7	0	
11/7/2014		4	17	7	0	
11/8/2014		4	17	7	0	
11/9/2014		4	17	7	0	
11/10/2014		4	17	7	0	
11/11/2014		4	17	7	0	
11/12/2014		4	17	7	0	
11/13/2014		4	17	5	0	
11/14/2014		4	17	3	0	
11/15/2014		4	17	6	0	
11/16/2014		4	17	6	0	
11/17/2014		4	17	6	0	
11/18/2014		4	17	7	0	
11/19/2014		4	17	7	0	
11/20/2014		4	17	7	0	
11/21/2014		4	17	7	0	
11/22/2014		4	17	7	0	
11/23/2014		4	17	7	0	
11/24/2014		4	17	7	0	
11/25/2014		4	17	7	1.5	meter appears to be working
11/26/2014		4	17	7	0	
11/27/2014		4	17	7	0	
11/28/2014		4	17	7	0	
11/29/2014		4	17	7	0	
11/30/2014		4	17	7	0	
12/1/2014					0	

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Total

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