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

	en Flo	•	AZI			Test Date	ə:	ruct	tions on Re	verse Side	AF	PI No.						
Company	liverab 	iity	<del></del> -			10/31/20	013		Lease		18	1-205	562-000	00	•	Well Nu	ımber	
Rosewoo	od Re	soui	rces, Inc.						Homest	tead			_		21-05			
County Location Sherman NENW					Section 5					RNG (E/W) 39W				Acres Attributed 80				
							Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.							
Completio 8/25/201		е				Plug Bac 1281'	k Total D	ept	h		Packer	Set a	t			_		
						1nternal E 4.000	Internal Diameter 4.000			Set at 1317'			Perforations 1114'			то 1138'		
Tubing Size Weight Internal Diameter NONE							Set at Perforations					То						
Type Con Single (						Type Flui Dry Ga		tion	1		Pump L Flowi		Traveling	Plung	er? Yes	No	,	
Single (VERTICLE) Producing Thru (Annulus / Tubing) Annulus					% Carbon Dioxide					% Nitrogen				Gas Gravity - G				
Vertical D		<del>(</del> )				<del></del>	Pr	ress	sure Taps				_	_		Run) (P	rover) Size	
1320'		•					Fla								2"	, (		
Pressure	Buildu	p: :	Shut in _	0-30	2	0 13 at 2	:15	_	(AM)(PM)	Taken_1	0-31		20	13 a	2:25_		(AM) (PM)	
Well on L	ine:	:	Started _1	0-31	2	0 <u>13</u> at 2	:25	_	(AM) (PM)	) Taken <u>1</u>	1-1		20	<u>13</u> a	2:50		(AM)(PM)	
							OBSER	VE	D SURFAC	E DATA				Durati	on of Shut-	<sub>n_</sub> 24	Hours	
Static / Dynamic Property	Dynamic Size		Meter Prover Pressure		Pressure Differential in	Temperature Temper		Head Wellhead Properties (P <sub>w</sub> ) or (P <sub>1</sub> )		Pressure	ssure Wellhea		ubing ad Pressure (P <sub>1</sub> ) or (P <sub>c</sub> )		Duration (Hours)		Liquid Produced (Barrels)	
	(11.04)		psig (P	m)	Inches H <sub>2</sub> 0	<u> </u>	<u>'</u>		psig 13	psia	psig	-	psia			_		
Shut-In Flow			_						5	27.4 19.4	<u> </u>	$\dashv$		24		0	_	
	<u> </u>						EL OW 6		EAM ATTR					24	_			
Plate			Circle one:		-	]		) I II	Flowing			Ι_		T	_		Flowing	
Coeffiecient		Pro	Meter or Prover Pressure psia		Press Extension P <sub>m</sub> x h	Gravity Factor F <sub>g</sub>		Temperature Factor F <sub>II</sub>		Fa	Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)		(Cubic Feet Barrel)		Fluid Gravity G <sub>m</sub>	
			-				İ				•	13						
(D.)3	•		<b></b>	•	_	•	OW) (DEL		ERABILITY	•		_	_		(P <sub>a</sub> ) <sup>2</sup>	= 0.2	207	
$(P_c)^2 =$		<u></u>	(P <sub>w</sub> ,		ose formula 1 or 2	P <sub>d</sub> =		<u>=</u> ′	$\overline{}$	- 14.4) +		_=	<u> </u>	<del></del>	(F <sub>d</sub> )			
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P	$(P_c)^2 - (P_w)^2$ 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_a^2$		LOG of formula 1, or 2, and divide by:  LOG of property to the			Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)				
				1	c w					<u></u>							_	
		_													_			
Open Flor	w				Mcfd @ 14.	65 psia			Deliverat	oility				Mcfd @	3 14.65 psi	a		
The t	undersi	igned	d authority	on b	ehalf of the	Company, s	tates tha	ıt h	e is duly a					rt and	that he ha	s know	riedge of	
the facts s	tated ti	herei	n, and tha	t said	report is true	and correc	t. Execut	ted RE	this the 6		day of _	Dece	mber		<u> </u>	<u>ਤ</u> '	<sub>20</sub> <u>13</u> .	
			Witne	ss (if an	y)	KAM		-	RATION CO		Dev	1/4	For C	Company	ail	Nu	<u>'</u>	
			ForC	mmissi	on		DE	.C	2 6 20	<u>i</u>			Cher	cked by				
			1010				CONS		VATION DIVI ICHITA, KS	SION			Ç.100					

exempt status und	er penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
correct to the best	of my knowledge and belief based upon available production summaries and lease records
• •	allation and/or upon type of completion or upon use being made of the gas well herein named.  est a one-year exemption from open flow testing for the Homestead 21-05
	ounds 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 eto supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
Date: 12/6/13	
	RECEIVED KANSAS CORPORATION COMMISSION  DEC 26 2819 nature:

## 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.

W2744 Homestead 21-05 North Goodland Goodland None October-13

FloBoss

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FIOBOSS					<u></u>
	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
10/1/2013	11				
10/2/2013	11	. 24	. 8	0	
10/3/2013	11	24	. 8	0	
10/4/2013	12	25	8	0	
10/5/2013	12	2. 25	8	0	
10/6/2013	12	25	8	0	
10/7/2013	12	2.5	8	0	
10/8/2013	12	2. 25	8	0	
10/9/2013	11	24	. 8	0	
10/10/2013	12	25	8	0	
10/11/2013	11	24	. 8	0	
10/12/2013	11	. 24	. 8	0	
10/13/2013	11	. 24	8	0	
10/14/2013	11	. 24	. 8	0	
10/15/2013	11	. 24	. 8	3	
10/16/2013	12	2. 25	6	7	
10/17/2013	11	24	8	0	
10/18/2013	11	24	. 8	0	
10/19/2013	11	. 24	. 8	0	
10/20/2013	11	. 24	. 8	0	
10/21/2013	11	. 24	. 8	0	
10/22/2013	11	. 24	. 8	0	
10/23/2013	11	. 24	. 8	0	
10/24/2013	11	24	8	0	
10/25/2013	11	24		0	
10/26/2013	11	24	. 8	0	
10/27/2013	11	. 24	. 8	0	
10/28/2013	11			2	
10/29/2013	11	. 24	. 8	0	
10/30/2013	11	. 24	. 8	0	shut in
10/31/2013	13	26	0	24	opened up

Total 238

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CONSERVATION DIVISION WICHITA, KS

W2744 Homestead 21-05 North Goodland Goodland None November-13

FloBoss

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FloBoss						
	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
11/1/2013	:	5 18	8	14	0	
11/2/2013	:	5 18	3	14	0	
11/3/2013	:	5 18	3	14	0	
11/4/2013	:	5 18	3	14	0	
11/5/2013	;	5 18	3	15	0	
11/6/2013	:	5 18	3	13	0	
11/7/2013		5 18	3	13	0	
11/8/2013	:	5 18	3	13	0	
11/9/2013	:	5 18	3	13	0	
11/10/2013	:	5 18	3	13	0	
11/11/2013	:		3	13	0	
11/12/2013	;		3	13	0	
11/13/2013	:	5 18	3	11	0	bp
11/14/2013	:	5 18	3	11	0	
11/15/2013	4	17	7	12	0	
11/16/2013	:	5 18	3	11	0	
11/17/2013	:	5 18	3	11	0	
11/18/2013	4	17	7	11	0	
11/19/2013	4	17	7	11	0	
11/20/2013	4	17	7	11	0	
11/21/2013	4	17	7	11	0	
11/22/2013	4	17	7	8	0	
11/23/2013	4	4 13	7	10	0	
11/24/2013	4	17	7	9	0	
11/25/2013	4	5 18	3	9	0	
11/26/2013		5 18	3	10	0	
11/27/2013		5 18	3	10	0	
11/28/2013	-	5 18	3	10	0	
11/29/2013	4	5 18	3	10	0	
11/30/2013	-	5 18	3	10	0	
12/1/2013			_		0	
						<del></del>

Total 348

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