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

Type Test	l:		12°T			(	See Instr	ructi	ions on Re	verse Si	de)							
= .	en Flow	_				Test Date	):					API	No. 15					
De	liverabil	ty				6/2/201	5					181	-20333-006	0				
Company Rosewoo		ourc	es						Lease Ihrig						1-15	Vell Nu	ımber	
County Location Sherman SESE			Section 15				TWP RNG (E/W) 7S 39W				Acres Attributed 80							
Field Goodlan	d					Reservoir Niobrara							nering Conn Systems In		n			
Completion 10/29/20						Plug Bac 1201'	k Total D	epti	h			Packer S	et at					
Casing Size Weight			Internal D 4.052	Diameter			Set at 1205'			rations 5'	то 1039'							
Tubing Si	ize		Weig	;ht		Internal Diameter			Set at			Perforations			То			
Type Con Single (						Type Flui Dry Ga		tion	1			Pump Ur Flowin	it or Traveling	Plur	nger? Yes	7 (No	l	
Producing	g Thru (		-	ng)		•	arbon Di	ioxio	de	-	_	% Nitrog	en		Gas Gra	avity -	G <sub>g</sub>	
Vertical D								ress ang	sure Taps							Run) (P	rover) Size	
Pressure	Buildup	: SI	hut in 6-	1	2	0_15_at_2				Taken_	6-2	2	20	15	at 2:10		(AM) <b>(</b> PM <b>)</b>	
Well on L		Si	tarted 6-	2		0 <u>15</u> at 2			_				20	15	at 3:00		(AM) (PM)	
•							OBSER	NEI	D SURFAC	E DATA				Dura	ation of Shut-	<sub>in</sub> 24	Hours	
Static / Orifice Dynamic Size			Circle one: Meter Prover Pressure		Pressure Differential in	Flowing Well He		Casing Wellhead Pressure				Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>2</sub> )			Duration (Hours)		Liquid Produced (Barrels)	
Property	(inche	s) '	psig (Pm		Inches H <sub>2</sub> 0	1	t		psig	psia		psig	psia			Ì		
Shut-In Flow					_				15 5	29.4 19.4	-		<del>                                      </del>	24		0		
11011		!_					FLOW S	TR	EAM ATTR		ļ		<u> </u>					
Plate			ircle one:		Press				Flowing				Material Flor		COD		Flowing	
Coeffied (F <sub>b</sub> ) (F Mofd	ient )		feter or er Pressure psia		Extension  P <sub>m</sub> x h	Grav Fac	tor	7	emperature Factor F <sub>II</sub>		evia Fac F		Metered Flow R (Mcfd)	*	GOR (Cubic Fe Barrel)	et/	Fluid Gravity G <sub>m</sub>	
													6					
	•			•		(OPEN FL	OW) (DEI	LĮVI	ERABILITY	) CALCI	JL/	ATIONS				= 0.2	107	
(P <sub>c</sub> )² =	T	<u>.:                                     </u>	(P <sub>w</sub> ) <sup>2</sup>	•	se formula 1 or 2:	$P_d =$		<u>_</u> 9	% <u>(</u>	ુ - <b>1</b> 4.4)	+	<u> 14.4 =</u>	:	i	(P <sub>d</sub> ):	<u> </u>		
(P <sub>c</sub> ) <sup>2</sup> - (I or (P <sub>c</sub> ) <sup>2</sup> - (I		(P <sub>o</sub> )	)²- (P <sub>w</sub> )²		1. P <sub>c</sub> <sup>2</sup> -P <sub>c</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> red by: P <sub>c</sub> <sup>2</sup> -P <sub>c</sub> <sup>2</sup>	LOG of formula 1, or 2, and divide	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	2	Slo As	ssure Cur pe = "n" - or signed lard Slope		n x I	.og [ ]		Antilog	De	pen Flow Iverability R x Antilog (Mcfd)	
				OID.	eoby. tc 'w	1							_					
								_										
Open Flo	w				Mcfd @ 14.	65 psia			Deliveral	oility				Mofd	l @ 14.65 psi	a		
									_				e above repo	ort an	nd that he ha	s knov	ledge of	
the facts s	tated th	erein	, and that	said	report is true						_	lay of <u>D</u>	ecember	/	1110	-je	20 <u>15</u> . ⇒	
			Witnes	(if an	<i>(</i> )	<del></del>	(CC	W	7 2016	7 <u>~</u>	<u></u>	T.	yww.	Compa	VVVV	LU	= ruf	
-			For Cor	nmissio	on		APR	_ <b>0</b>	7 2016				Che	cked b	у			
							R	EC	EIVED	)								

l 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
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 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
KCC WICHIST Anature: Council Montany  APR 07 2016 Title: Production Assistant  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.

W407 Ihrig 1-15 North Goodland Goodland None June-15

	Casing			HR	is	REMARKS
DATE	PSI	STATIC	MCF	DC	WN	(Maximum length 110 characters)
6/1/2015	15	27	,	0	24	
6/2/2015	15	28	;	0	24	
6/3/2015	13	26	•	9	0	
6/4/2015	11	24	ļ	9	0	
6/5/2015	10	23	;	9	0	
6/6/2015	9	22	:	9	0	
6/7/2015	8	21		9	0	
6/8/2015	8	21		9	0	
6/9/2015	7	20	1	9	0	
6/10/2015	7	20	1	9	0	
6/11/2015	6	19	•	9	0	
6/12/2015	6	19	, .	8	0	
6/13/2015	6	19	)	7	4	
6/14/2015	6	19	)	8	0	
6/15/2015	6	19	1	8	0	
6/16/2015	5	18	;	7	0	
6/17/2015	5	18	;	7	0	
6/18/2015	5	18	;	8	0	
6/19/2015	5	18	}	7	0	
6/20/2015	5	18	;	6	1	
6/21/2015	5	18	;	7	0	
6/22/2015	5	18	;	7	0	
6/23/2015	5	18	;	7	0	
6/24/2015	5	18	;	6	0	
6/25/2015	5	18	;	5	2	
6/26/2015	5	18	}	7	0	
6/27/2015	5	18	;	7	0	
6/28/2015	5	18	;	7	0	
6/29/2015	5	17	•	7	0	
6/30/2015	5	17	•	7	0	
7/1/2015		0	1	0	0	

Total 214

KCC WICHITA APR 0.7 2016 RECEIVED W407

Ihrig 1-15

North Goodland

Goodland

None

July-14

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
7/1/2014		5	18	6	0	
7/2/2014		5	18	6	0	
7/3/2014		5	18	6	0	
7/4/2014		5	18	5	0	
7/5/2014		5	18	5	0	
7/6/2014		5	18	5	0	
7/7/2014		5	18	6	0	
7/8/2014		5	18	6	0	
7/9/2014		5	18	6	0	
7/10/2014		5	18	6	0	
7/11/2014		5	18	5	0	
7/12/2014		5	18	5	0	
7/13/2014		5	18	5	0	
7/14/2014		5	18	5	0	
7/15/2014		6	19	4	6	
7/16/2014		6	19	5	0	
7/17/2014		6	19	4	0	
7/18/2014		7	20	4	0	
7/19/2014		7	20	4	0	
7/20/2014		7	20	4	0	
7/21/2014		7	20	4	1	
7/22/2014		7	20	5	0	
7/23/2014		7	20	3	3	
7/24/2014		7	20	5	0	
7/25/2014		7	20	5	0	
7/26/2014		7	20	5	0	
7/27/2014		6	19	5	0	
7/28/2014		7	20	3	9	
7/29/2014		7	20	6	0	
7/30/2014		6	19	6	0	
7/31/2014		6	19	6	1	

Total

155

KCC WICHITA APR 0.7 2016 RECEIVED W407

North Goodland

Goodland

None

August-14

	Casing		_	HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
8/1/2014		6	19	6	2	
8/2/2014		6	19	6	0	
8/3/2014		6	19	6	0	
8/4/2014		6	19	6	0	
8/5/2014		6	19	6	0	
8/6/2014		6	19	6	0	
8/7/2014		6	19	6	0	
8/8/2014		6	19	6	0	
8/9/2014		6	19	6	0	
8/10/2014		6	19	6	0	
8/11/2014		5	18	7	0	
8/12/2014		5	18	7	0	
8/13/2014		5	18	7	0	
8/14/2014		5	18	7	0	
8/15/2014		5	18	7	0	
8/16/2014		5	18	7	0	
8/17/2014		5	18	7	0	
8/18/2014		5	18	7	0	
8/19/2014		5	18	7	0	
8/20/2014		5	18	7	0	
8/21/2014		5	18	7	0	
8/22/2014		5	18	7	0	
8/23/2014		5	18	7	0	
8/24/2014		5	18	7	0	
8/25/2014		5	18	7	0	
8/26/2014		5	18	7	0	
8/27/2014		5	18	7	0	
8/28/2014		5	18	7	0	
8/29/2014		5	18	7	0	
8/30/2014		5	18	7	0	
8/31/2014		5	18	7	0	

Total

207

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