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

Type Test	t:	~~ <del>+</del> -			(	See Instru	ctions on l	Peve	erse Side	)					
Op	en Flow	<b>BST</b>			T4 D-4										
	eliverabilt				Test Date 7/30/14	<del>)</del> :					No. 15  -20428-01 <b>(</b>	0			
Company		ources, Inc.					Lease C. Ihr						21-21	Well No	umber
County Sherman	n	Loca NEN	ation W		Section 21		TWP 7S			RNG (E	/W)			Acres /	Attributed
Field Goodlan	nd				Reservoir Niobrara						thering Conr Systems In				
Completion 9/4/200					Plug Baci 3218'	k Total De	pth			Packer :	Set at				
Casing S 4 1/2"	ize	Wei 10.5	_		Internal Diameter 4.000						Perforations 3147'		то 3162'		
Tubing Si	ize	Wei	ght		Internal D	Diameter	Se	t at		Perfo	orations		То		
Type Con Single (		(Describe) nal)			Type Fluid Dry Ga	d Productions	on			Pump U Flowir	nit or Traveling	g Plung	er? Yes	No	
_	-	Annulus / Tub	ing)		% C	arbon Dio	kide			% Nitrog	jen		Gas Gr	avity -	G,
Annulus Vertical D						Pre-	ssure Taps					-	.6 (Meter	Run) (P	rover) Size
3235'	_					Flar	•						2"	,,	,
Pressure	Buildup:	Shut in 7-	29	20	14 at 3:	20	_ (AM)(PN	T ((N	aken_7-	30	20	14 a	3:30		(AM) (PM)
Well on L	ine:	Started 7-	30	20	14 at 3:	30	_ (AM) (PM	<b>∌</b> ⊤	aken <u>7-</u>	31	20	1 <u>4</u> a	4:20		(AM) (PM)
						OBSERV	ED SURFA	CE	DATA			Durati	on of Shut-	<sub>in_</sub> 24	Hours
Static / Dynamic	Orifice Size	Prover Pres	Diffe	ssure rential	Flowing Temperature	Weil Head Temperature	Wellhe:		ressure	Wellhe	Tubing ead Pressure r (P <sub>t</sub> ) or (P <sub>c</sub> )		uration Hours)		id Produced Barrels)
Property	(inches	psig (Pr	n) Inche	s H <sub>2</sub> 0		- t	psig	Ť	psia	psig	psia	<u> </u>		-	
Shut-In	_	<del>                                      </del>				<del>-</del>	18	+-	32.4	_	<del></del>		_	<u> </u>	
Flow			l				5	!-	19.4	<del>_</del>	<u> </u>	24		0	
	<del>- 1-</del>					FLOW ST	REAM ATT	rrib	UTES	_	<del>-</del> -				
Plate Coeffiect (F <sub>b</sub> ) (F Mcfd	ient P)	Circle one: Meter or Prover Pressure psia	Exte	ess nsion 7 <sub>m</sub> xh	Grav Fact F <sub>g</sub>	or	Flowing Temperature Factor	Ð	Devi Fac F	ctor	Metered Flo R (Mcfd)	w	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>
								_			14				_
(D \2	<u>-</u>	(D.)		_	(OPEN FLO			•				•		²= 0.2	207
(P <sub>c</sub> )² =	<del></del>	· _ (F <sub>w</sub> )-	Choose form		$P_d = $		$\overline{}$		- 14.4) + ure Curve	1 <del>4</del> .4 = _	<u>-</u>	<del>-</del>	(P <sub>d</sub> )	T —	
(P <sub>c</sub> ) <sup>2</sup> - (F or (P <sub>c</sub> ) <sup>2</sup> - (F	- 1	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P. <sup>2</sup> 2. P. <sup>2</sup> divided by:	- P <sub>d</sub> ²	LOG of formula 1. or 2. and divide by:	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Ś	Stope o Assig	≃ "ท" ~~	n x	rog	,	intilog	Del Equals	pen Flow liverability s R x Antilog (Mcfd)
1				<u>c</u> 'w											
Open Flor	w		Mcfd	@ 14.6	i5 psia		Deliver	abili	ty			Mcfd @	14.65 ps	ia	
		ned authority, rein, and that									ne above repo Jecember	ort and	that he ha	is know	rledge of
	iatou IIIE	roni, unu mat	oaid tebol	. 13 (IUB								M	ati		 !
		Witness	s (if any)					<u> </u>		<u>cw</u> (	For	Company	MIL		<i>Y</i>
<del></del>		For Cor	nmission		<u></u>	EB 23	2015				Che	cked by			
						RECE	IVED								

exempt status under Rule K.A.R. 82-3-304 and that the foregoing pressure informat correct to the best of my knowledge and be of equipment installation and/or upon type	der the laws of the state of Kansas that I am authorized to request 4 on behalf of the operator Rosewood Resources, Inc.  tion and statements contained on this application form are true and belief based upon available production summaries and lease records a of completion or upon use being made of the gas well herein named.
	on from open flow testing for the <u>C. Ihrig 21-21H</u>
gas well on the grounds that said well:	
is on vacuum at the production is not capable of productions.	ft due to water gas for injection into an oil reservoir undergoing ER esent time; KCC approval Docket No ucing at a daily rate in excess of 250 mcf/D of my ability any and all supporting documents deemed by Commission
KCC WICHITA FEB 23 2015 RECEIVED	Signature:

## 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.

W2271 G-Ihrig 21-21H

North Goodland

Goodland

None

July-14

	Casing		HRS	REMARKS
DATE	PSI STATIC	MCF	DOWN	(Maximum length 110 characters)
7/1/2014	5	18	14	0
7/2/2014	5	18	14	0
7/3/2014	5	18	14	0
7/4/2014	5	18	14	3
7/5/2014	5	18	14	0
7/6/2014	5	18	14	0
7/7/2014	5	18	14	0
7/8/2014	5	18	14	0
7/9/2014	5	18	14	0
7/10/2014	5	18	14	0
7/11/2014	5	18	14	0
7/12/2014	5	18	14	0
7/13/2014	5	18	14	0
7/14/2014	5	18	14	0
7/15/2014	5	18	14	3
7/16/2014	5	18	14	0
7/17/2014	5	18	16	0
7/18/2014	5	18	14	0
7/19/2014	5	18	14	0
7/20/2014	5	18	14	0
7/21/2014	5	18	14	0
7/22/2014	5	18	14	0
7/23/2014	5	18	14	0
7/24/2014	5	18	14	0
7/25/2014	5	18	14	0
7/26/2014	5	18	14	0
7/27/2014	5	1.8	14	0
7/28/2014	5	18	14	0
7/29/2014	5	18	14	0 shut in for state
7/30/2014	18	31	0	24 opened up
7/31/2014	5	18	15	0

Total 423

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W2271

C. Ihrig 21-21H

North Goodland

Goodland

None

August-14

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

Total 440

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W2271 G-{lhrig 21-21Hc'

North Goodland

Goodland

None

September-14

	Casing			HI	RS	REMARKS
DATE	PSI	STATIC	MCF	DO	OWN	(Maximum length 110 characters)
9/1/2014		5	18	16	0	
9/2/2014		5	18	16	0	
9/3/2014		5	18	16	0	
9/4/2014		5	18	16	0	
9/5/2014		5	18	16	0	
9/6/2014		5	18	16	0	
9/7/2014		5	18	16	0	
9/8/2014		5	18	16	0	
9/9/2014		5	18	16	0	
9/10/2014	<b>,</b>	5	18	16	0	
9/11/2014	ļ	5	18	16	0	
9/12/2014	ļ	5	18	16	0	
9/13/2014	ļ	5	18	16	0	
9/14/2014	Ļ	5	18	16	0	
9/15/2014	•	5	18	16	0.5	
9/16/2014	ļ	5	18	16	0	
9/17/2014	<b>,</b>	6	19	16	0	
9/18/2014	<b>,</b>	6	19	16	0.5	
9/19/2014	Ļ	6	19	16	0	
9/20/2014	Ļ	6	19	16	0	
9/21/2014	Ļ	6	19	16	0	
9/22/2014	<b>!</b>	6	19	16	0	
9/23/2014	Ļ	6	19	16	0	
9/24/2014	ļ.	6	19	16	0	
9/25/2014	ļ	6	19	16	0	
9/26/2014	ļ	6	19	16	0	
9/27/2014		6	19	16	0	
9/28/2014	ŀ	6	19	16	0	
9/29/2014		6	19	16	0	
9/30/2014	ļ	6	19	16	0	
10/1/2014	ļ				0	

Total 480

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