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

Type Test	t:				6	See Instruc	tions on Re	rerse Side	)				
Op	en Flow	MSI											
	liverabil				Test Date 7/30/14	<b>):</b>				No. 15 <b>1-20430-0</b> 0	20		
Company		ources, Inc			,,,,,,,,,,		Lease Duell				2-17	Well Nun	nber
County Shermar	n		cation SW/4		Section 17		TWP 7S		RNG (E	/W)		Acres At	tributed
Field Goodlan	nd				Reservoir Niobrara					thering Conn Systems In			*-
Completion 6/3/200					Plug Bac 1183'	k Total Dep	th		Packer \$	Set at		,	
Casing Size Weight 4 1/2" 10.5#			Internal Diameter Set at 4.0000 1182'			Perfo	rations	то 1026	то 1026'				
Tubing Si	ize		eight		Internal Diameter Set at			Perfo	rations	То			
Type Con		(Describe) entional)			Type Fluid	d Production	n		Pump U	nit or Traveling	Plunger? Yes	No	
	g Thru (	Annulus / Tu	bing)			arbon Dioxi	ide		% Nitrog	<u></u>	Gas G	ravity - G	
Vertical D						Pres	sure Taps					Run) (Pro	over) Size
1199'						Flan	ge				2"		
Pressure	Buildup	: Shutin _	7-29				(AM) (PM)				14 at 4:00	(A	M) (PM)
Well on L	.ine:	Started _	7-30	2	0 14 at 4:	:00	(AM) (PM)	Taken 7-	31 	20	14 at 4:50	(/	M)(PM)
						OBSERVE	D SURFACI	DATA			Duration of Shu	t-in_24	Hours
Static / Dynamic Property	Static / Orifice Meter Di  Dynamic Size Prover Pressure		Pressure Differential in	Flowing Temperature	Temperature Temperature		Casing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$		Tubing ead Pressure or $(P_{\epsilon})$ or $(P_{\epsilon})$	Duration (Hours)		Produced arrels)	
Shut-In	(11010	psig (F	,w)	Inches H <sub>2</sub> 0			psig 9	psia 23.4	psig	psia			
Flow							5	19.4			24		
<b>/-</b>					_,	FLOW STE	REAM ATTR	BUTES			<b>,</b>		
(E.) (E.) Prover Prescure		Press Extension ✓ P <sub>m</sub> x h	Fact	Gravity Factor F <sub>g</sub>		Deviation Factor F <sub>pv</sub>		Metered Flor R (Mcfd)	w GOF (Cubic F Barre	eet/	Flowing Fluid Gravity G <sub>m</sub>		
	j									12			
	,		•	<del></del>	(OPEN FL	OW) (DELIV	ERABILITY	CALCUL	ATIONS			,) <sup>2</sup> = 0.20	7
(P <sub>c</sub> ) <sup>2</sup> ==	<del></del>	: <u>(P</u> ,	) <sup>2</sup> =	ose formula 1 or 2	$P_d =$		% (F	· - 14.4) +	14.4 = _	<del>:</del> _	(P,	1)2 =	
(P <sub>c</sub> ) <sup>2</sup> - (I or (P <sub>c</sub> ) <sup>2</sup> - (I		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1. P <sub>c</sub> <sup>2</sup> -P <sub>s</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>c</sub> <sup>2</sup> ded by: P <sub>c</sub> <sup>2</sup> -P <sub>c</sub> <sup>3</sup>	LOG of formula 1. or 2. and divide	P.2 - P.2	Slop As	ssure Curve be = "n" or signed ard Slope	n x	LOG	Antilog	Deliv Equals	on Flow erability R x Antilog vlcfd)
	_			u **w				-					
Open Flo	<u> </u>			Mcfd @ 14.	65 nsia	_	 Deliverab	ilitv			Mcfd @ 14.65 p	sia	
		ned authorit	y, on b			states that h			o make t	he above repo	ort and that he h		edge of
the facts s	stated th	erein, and the	at said	report is true	e and correc	t. Executed	this the 2	2	day of _	December		, 2	o <u>14        </u> .
		Witn	ess (if an			KÇC /	MIC:::	*	Tas	uul_	Mail Company	neg	<u> </u>
			Commissi			FEB 2	<b>2 3 20</b> 15	·			cked by		

l declare una	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;
	ler 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.
	going pressure information and statements contained on this application form are true and
correct to the bes	st 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.
l hereby requ	est a one-year exemption from open flow testing for the
gas well on the gr	rounds 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 the to supply to the best of my ability any and all supporting documents deemed by Commission by to corroborate this claim for exemption from testing.
Date: 12/22/14	
	FEB 2 3 2015  RECEIVED  Signature:   Column Matter  Matter  Production Assistant

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.

W2262

Düelî 2-17

North Goodland

Goodland

None

July-14

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

Total 343

KCC WICHITA FEB 23 2015 RECEIVED W2262

Duell 2-17

North Goodland

Goodland

None

August-14

	Casing			HRS		REMARKS
DA <u>T</u> E	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
8/1/2014		5	18	12	0	
8/2/2014		5	18	12	0	
8/3/2014		5	18	12	0	
8/4/2014		5	18	12	0	
8/5/2014		5	18	12	0	
8/6/2014		5	18	12	0	
8/7/2014		5	18	12	0	
8/8/2014		5	18	12	3	
8/9/2014		5	18	12	0	
8/10/2014	ļ	5	18	12	0	
8/11/2014	<b>.</b>	5	18	12	0	
8/12/2014		5	18	12	0	
8/13/2014	ŀ	5	18	12	0	
8/14/2014	<b>!</b>	5	18	12	0	
8/15/2014	ŀ	5	18	12	0	
8/16/2014	ļ	5	18	12	0	
8/17/2014	ŀ	5	18	12	0	
8/18/2014	ļ.	5	18	12	0	
8/19/2014	<b>!</b>	5	18	12	0	
8/20/2014	1	5	18	12	2	
8/21/2014	ŀ	5	18	11	0	
8/22/2014	Ļ	5	18	11	0	
8/23/2014	1	5	18	11	0	
8/24/2014	ļ.	5	18	11	0	
8/25/2014			18	11	0	
8/26/2014	ļ		17	12	0	
8/27/2014	ļ	4	17	12	0	
8/28/2014	ļ	4	17	12	0	
8/29/2014	1	4	17	12	0	
8/30/2014	ļ	4	17	12	0	
8/31/2014	<b>,</b>	4	17	12	0	

367

Total

KCC WICH!TA FEB 2 3 2015 RECEIVED W2262

Duell 2-17-7-16

North Goodland

Goodland

None

September-14

	Casing			HF	RS	REMARKS
DATE	PSI	STATIC	MCF	DO	OWN	(Maximum length 110 characters)
9/1/2014		5 I	8	12	0	
9/2/2014		5 1	8	12	0	
9/3/2014		5 1	8	12	0	
9/4/2014		5 1	8	12	0	
9/5/2014		5 1	8	12	0	
9/6/2014		5 1	8	12	0	
9/7/2014		5 1	8	12	0	
9/8/2014		5 1	8	12	0	
9/9/2014		5 1	8	12	0	
9/10/2014		4 1	7	12	0	
9/11/2014		4 1	7	12	0	
9/12/2014		4 1	7	12	0	
9/13/2014		4 1	7	12	0	
9/14/2014		4 1	7	12	0	
9/15/2014		4 1	7	12	0.5	
9/16/2014		4 1	7	12	0	
9/17/2014		5 1	8	11	0	
9/18/2014		5 1	8	11	0.5	
9/19/2014		5 1	8	11	0	
9/20/2014		5 1	8	11	0	
9/21/2014		5 1	8	11	0	
9/22/2014		5 1	8	11	0	
9/23/2014		5 1	8	11	0	
9/24/2014		5 1	8	11	0	
9/25/2014		5 1	8	11	0	
9/26/2014		5 1	8	11	0	
9/27/2014		5 1	8	11	0	
9/28/2014		5 1	8	11	0	
9/29/2014		5 1	8	11	0	
9/30/2014		5 I	8	11	0	
10/1/2014					0	

Total 346

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