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

Type Test	t:	~	,		(	See Instruct	tions on Re	verse Side	)				
Op	en Flow	251	-										
Deliverabilty				Test Date: 7/30/14				API No. 15 181-20332-00 <b>0 0</b>					
Company Rosewood Resources						Lease Duell					1-17	Well Number	
County Location Sherman NENE				Section 17				RNG (E 39W	/W)		Acres Attributed 80		
Field					Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.				
Completion 8-15-200				<u> </u>	_	Plug Back Total Depth I				Set at			
Casing S 4 1/2"	ize		Weight ).5#	<del></del> -		Internal Diameter Set at 4.090 1213			Perfo	orations	To 1006	·	
Tubing S	ize		Weight		Internal Diameter Set at				rations	То			
Type Cor		(Describe)			Type Fluid					Pump Unit or Traveling Plunger? Yes / No			
Producing	g Thru (	Annulus /				arbon Dioxi	de		% Nitrog	<del>_</del>		ravity - C	,
Annulus Vertical D						Proc	euro Tane	<u> </u>			.6 (Meter	Bun) (P	over) Size
1006'						Pressure Taps Flange					2"		
Pressure	Buildup			2	0 14 at 3:	:40	(AM) (PM) Taken 7-30			20	14 at 3:50	(	АМ) (РМ)
Well on L	ine:	Started	7-30	2	0 <u>14</u> at <u>3</u>	:50	(AM)(PM)	Taken _7-	3 <u>1</u>	20	14 at 4:40	(	AM)(PM)
			,	<del>  </del>		OBSERVE	D SURFAC	_			Duration of Shut	t-in_24	Hours
Static / Dynamic Property	Static / Orifice  Dynamic Size  Property (inches)		Circle one: Pressure Meter Prover Pressure  psig (Pm) Inches H <sub>2</sub> 0		Flowing Temperature t	Cemperature Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>o</sub> )		Tubing pad Pressure or (P <sub>1</sub> ) or (P <sub>c</sub> )	Duration (Hours)		d Produced Barrels)
Shut-In		paig	(1-111)	IIICIIOS H <sub>2</sub> 0			psig _	psia 22.4	psig	psia			
Flow	Flow				4	18.4			24	0	_		
		_				FLOW STR	EAM ATTR	IBUTES	_				<del></del>
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter or  Prover Pressure psia  Press Extension  P <sub>m</sub> x h		Fact	Gravity To		Deviation Factor F <sub>pv</sub>		Metered Flor R (Mcfd)	W GOR (Cubic F Barrel	eet/	Flowing Fluid Gravity G <sub>m</sub>	
										8			_
/D.\°			D \2		•	OW) (DELIV		•				) <sup>2</sup> = 0.2	07
(P <sub>c</sub> )² =	T	:	P <sub>w</sub> ) <sup>2</sup> =	oose formula 1 or 2	P <sub>d</sub> =		1	ੁ - 14.4) +			<u></u>	) <sup>2</sup> =	<u></u>
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> 1. P <sub>c</sub> 2. P <sub>c</sub>		1. P <sub>0</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup> 2. P <sub>0</sub> <sup>2</sup> -P <sub>0</sub> <sup>2</sup>	LOG of formula 1, or 2, and divide p 2 p 2		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Deli Equals	en Flow verability R x Antilog (Mcfd)
			div.	ided by: $P_c^2 - P_w^2$	by:	<u> </u>	Stario					+-	
						_							
Open Flo	w			Mcfd @ 14.	65 psia		Deliverat	oility			Mcfd @ 14.65 p	sia	
	_		•				-				ort and that he h	as know	ledge of
the facts s	stated the	erein, and	that said	f report is true							Mail	<u></u> ,;	. 14
		W	litness (if a	ny)		C WIG			UM	WW. For	TII (UU) Company	ue	Y_
		F	or Commiss	ion	F	EB 23	2015			Che	cked by	<del></del>	

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	nalty of perjury under the laws of the state of Kansas that I am authorized to request ule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
	pressure information and statements contained on this application form are true and
correct to the best of m	y knowledge and belief based upon available production summaries and lease records
of equipment installatio	n 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 ground:	s that said well:
is cyling is a is or is a is or is a is or is not in the interval in t	coalbed methane producer ycled on plunger lift due to water source of natural gas for injection into an oil reservoir undergoing ER n vacuum at the present time; KCC approval Docket No ot capable of producing at a daily rate in excess of 250 mcf/D supply to the best of my ability any and all supporting documents deemed by Commission corroborate this claim for exemption from testing.
Date: 12/22/14	EB 2 3 2015  Signature: Cannul Mauriney  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.



North Goodland

Goodland

None

July-14

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

Total

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Duell 1-17

North Goodland

Goodland

None

August-14

	Casing	·		HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
8/1/2014		17	,	9	0	
8/2/2014	4	17	7	9	0	
8/3/2014	4	17	7	9	0	
8/4/2014	4	17	,	9	0	
8/5/2014	4	17	7	9	0	
8/6/2014	4	17	1	9	0	
8/7/2014	4	17	1	9	0	
8/8/2014	4	17	,	9	3	
8/9/2014	4	17	,	9	0	
8/10/2014	4	17	7	9	0	
8/11/2014	4	17	7	9	0	
8/12/2014	4	17	7	9	0	
8/13/2014	4	5 18	<b>;</b>	8	0	·
8/14/2014	:	18	3	8	0	
8/15/2014	5	5 18	}	8	0	
8/16/2014	4	5 18	}	8	0	
8/17/2014	4	5 18	3	8	0	
8/18/2014	5	5 18	}	8	0	
8/19/2014	4	5 18	}	8	0	
8/20/2014	4	5 18	}	8	2	
8/21/2014	4	5 18	<b>:</b>	8	0	
8/22/2014		5 18	}	8	0	
8/23/2014	4	5 18	}	8	0	
8/24/2014	4	5 18	3	8	0	
8/25/2014	4	5 18	3	8	0	
8/26/2014	4	17	7	9	0	
8/27/2014	4	17	7	9	0	
8/28/2014	٠ ۷	17	,	9	0	
8/29/2014	4	17	,	9	0	
8/30/2014	4	17	,	9	0	
8/31/2014	4	l 17	,	9	0	

Total

266

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Duell 1-17

North Goodland

Goodland

None

September-14

	Casing				HRS	REMARKS
DATE	PSI	STATIC	C M	1CF	DOWN	(Maximum length 110 characters)
9/1/2014		4	17	9	0	
9/2/2014		4	17	9	0	
9/3/2014		4	17	9	0	
9/4/2014		4	17	9	0	
9/5/2014		4	17	9	0	
9/6/2014		4	17	9	0	
9/7/2014		4	17	9	. 0	
9/8/2014		4	17	9	0	
9/9/2014		4	17	9	0	
9/10/2014		4	17	8	0	
9/11/2014		4	17	8	0	
9/12/2014		4	17	8	0	
9/13/2014		4	17	8	0	
9/14/2014		4	17	8	0	
9/15/2014		4	17	8	0.5	
9/16/2014		4	17	8	0	
9/17/2014		4	17	8	0	
9/18/2014		4	17	8	0.5	
9/19/2014		4	17	8	0	
9/20/2014		4	17	8	0	
9/21/2014		4	17	8	0	
9/22/2014		4	17	8	0	
9/23/2014		4	17	8	0	
. 9/24/2014		4	17	8	0	
9/25/2014		4	17	8	0	
9/26/2014		4	17	8	. 0	
9/27/2014		4	17	8	0	
9/28/2014		4	17	8	0	
9/29/2014		4	17	8	0	
9/30/2014		4 ·	17	8	0	
10/1/2014					0	

Total

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