KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				ſ	See Instruc	tions on Re	verse Side))				
Op	en Flov	,	BSI										
De	liverabil			Test Date: 9/30/2015						I No. 15 1-20533-00 0	9		
Company Lease Well Number Rosewood Resources, Inc. Gutsch 31-03									ımber				
County Location Sherman NWNE/4			Section 3				RNG (E/W) 40W			Acres Attributed 80			
Field Goodan	 d					Reservoir Niobrara			Gas Gathering Connection Branch Systems Inc.				
Completion 6/10/08	on Date)			Plug Bac 1295'	•				Set at			
Casing S 2 7/8"	ize		Weight 6.5#			Internal Diameter Set at 2.441 1295'			Perfo 107	orations '6'	To 1106'	то 1106'	
Tubing Si	ize		Weight		Internal I	Internal Diameter Set at				orations	То		
Type Con Single (Type Flui DryGa					Pump Unit or Traveling Plunger? Yes No flowing			
Producing	g Thru (ulus / Tubing)		`			% Nitrog			Gas Gravity - G	
Annulus													, _
Vertical D	/epth(H) 					Pres. Flan	sure Taps ge				(Meter	Hun) (P 	rover) Size
Pressure	Buildup	: 8	Shut in9-30)2	0 15 at 1	15 at 10:10 (PM) Taken 10						(AM)PM)
Well on L	.ine:	5	Started 10-1	2	0 <u>. 15</u> at <u>1</u>	15 at 10:20 (AM)(PM) Taken 10-)-2	20	15 at 11:10	(AM) PM)
				<u> </u>		OBSERVE	D SURFAC	E DATA	,		Duration of Shut-	_{in} 24	Hours
Static / Dynamic Property	Dynamic Size		Meter Differential T		Flowing Temperature t	Temperature Temperature		Casing Wellhead Pressure (P_w) or (P_t) or (P_e)		Tubing ead Pressure r (P,) or (Pc)	Duration (Hours)		d Produced Barrels)
Shut-in			psig (Pm)	Inches H ₂ 0			psig 8	22.4	psig	psia		 	
Flow	Flow			1 15.4				24	0				
					_	FLOW STR	EAM ATTR	IBUTES:					
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia Press Extension P _m × h		Fact	i Gravny i		ng Deviation ture Factor or F _{pv}		Metered Flov R (Mcfd)	v GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
										6			
(D.)3			/F \2		•	OW) (DELIV		•			(P _a)	² = 0.2	07
(P _c) ² =	- -		(P _w) ² =_	hoose formula 1 or 2	P _d =	 `	% (F	· - 14.4) +	14.4 =	:	(P _d)	<u></u>	_ -
$(P_o)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _o) ² - (P _w) ² 1. P _o ² - P _d ² 2. P _o ² - P _d ²		LOG of formula 1. or 2. and divide Pc2-Pw		Backpressure Curve Slope = "n"		n v 106		Antilog	Del Equals	en Flow iverability R x Antilog ((Mcfd)	
 	_+	-		ivided by: $P_c^2 - P_w^2$	2 by:	<u> </u>	Stand	aru Siope	+			 	
					<u> </u>								
Open Flow Mcfd @ 14.65 psia						Deliverability				Mcfd @ 14.65 psia			
	_		•				•				rt and that he ha		
the facts st	tated the	ereir	n, and that sai	id report is true							Mart		<u>15</u> .
			Witness (if	anyj		C WIC			ill		WWW.Company	W	
			For Commis	Ssion	A!	PR 07	ZUIb _			Chec	cked by		

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I declare under penalty of perjury under the laws of the state of Kansas that I am a	authorized to request
exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resource	
and that the foregoing pressure information and statements contained on this applicate correct to the best of my knowledge and belief based upon available production summar of equipment installation and/or upon type of completion or upon use being made of the graph	on form are true and ies and lease records
gas well on the grounds 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 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 of staff as necessary to corroborate this claim for exemption from testing. Date: 12/22/15	
KCC WICHTA Signature:	artay

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.

W2585

Guisch 31-03

South Goodland

Goodland

None

September-15

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
9/1/2015		14	6	0	
9/2/2015	1	14	6	0	
9/3/2015	1	14	6	0	
9/4/2015	1	l 14	6	0	
9/5/2015	1	l 14	6	0	
9/6/2015	1	14	6	0	
9/7/2015	1	14	6	0	
9/8/2015	1	l 14	6	0	
9/9/2015	1	l 14	6	0	
9/10/2015	1	l 14	6	0	
9/11/2015]	14	6	0	
9/12/2015	1	14	6	0	
9/13/2015	1	14	6	0	
9/14/2015	1	14	6	0	
9/15/2015]	14	6	0	
9/16/2015	1	l 14	6	0	
9/17/2015	1	14	6	0	
9/18/2015	1	14	6	0	
9/19/2015	1	14	6	0	
9/20/2015	1	14	6	0	
9/21/2015	1	14	6	0	
9/22/2015]	14	6	0	
9/23/2015]	14	6	0	
9/24/2015	1	14	6	0	
9/25/2015	1	14	6	0	
9/26/2015	1	l 14	6	0	
9/27/2015	1	l 14	6	0	
9/28/2015	1	14	6	0	
9/29/2015	1	14	0	22	
9/30/2015	8	3 21	0	24	24 hr shut in pressure for state
10/1/2015	(0	0	0	

Total 168

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Guisch 211-03, i

South Goodland

Goodland

None

October-15

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
10/1/2015	9	22	0	24	
10/2/2015	(5 19	7	7	
10/3/2015	4	17	9	0	
10/4/2015	3	3 16	8	0	
10/5/2015	3	3 16	8	0	
10/6/2015	2	2 15	7	0	
10/7/2015	2	2 15	8	0	
10/8/2015	2	2 15	7	2	
10/9/2015	2	2 15	8	2	
10/10/2015	2	2 15	8	2	
10/11/2015	•	l 14	8	0	
10/12/2015	2	2 15	8	4	
10/13/2015]	l 14	8	0	
10/14/2015]	l 14	7	0	
10/15/2015	2	2 15	7	0	
10/16/2015	2	2 15	7	0	
10/17/2015	1	14	7	0	
10/18/2015]	14	7	0	
10/19/2015	1	14	6	0	
10/20/2015	1	l 14	6	0	
10/21/2015]	14	6	0	
10/22/2015		14	6	0	
10/23/2015	1	14	6	0	
10/24/2015]	14	6	0	
10/25/2015]	l 14	6	0	
10/26/2015	1	l 14	6	0	
10/27/2015	•	l 14	6	0	
10/28/2015	1		6	0	
10/29/2015	1	14	6	0	
10/30/2015	1	l 14	6	0	
10/31/2015		<u>l</u> 14	7	0	

Total 208

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South Goodland

Goodland

None

November-15

	Casing			HRS	REMARKS
DATE	PSI	STATIC I	MCF	DOWN	(Maximum length 110 characters)
11/1/2015]	14	7	0	
11/2/2015	1	14	6	0	
11/3/2015]	14	6	0	
11/4/2015	1	14	6	0	
11/5/2015	1	14	6	0	
11/6/2015]	14	6	0	
11/7/2015	1	14	6	0	
11/8/2015	1	14	6	0	
11/9/2015	1	14	6	0	
11/10/2015	1	14	7	0	
11/11/2015	1	14	6	0	
11/12/2015		14	6	0	
11/13/2015		l 14	7	0	
11/14/2015		14	6	0	
11/15/2015		14	6	0	
11/16/2015		14	6	0	
11/17/2015		l 14	6	0	
11/18/2015		14	6	0	
11/19/2015		14	7	0	
11/20/2015		1 14	7	1	
11/21/2015		1 14	7	0	
11/22/2015		1 14	9	0	
11/23/2015		i 14	7	0	
11/24/2015		14	8	0	
11/25/2015		14	9	0	
11/26/2015		1 14	9	0	
11/27/2015		1 14	10	0	
11/28/2015		1 14	10	0	
11/29/2015		1 14	9	0	
11/30/2015		1 14	11	0	
12/1/2015	. (0 0	0	0	

Total 214

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