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

Type Test:					(	See Instru	ıctions on Re	verse Side	9)						
Ope	en Flow	į	<b>\$</b> \$I		Test Date				ΔΡΙ	l No. 15					
Del	iverabilt	ty			9/27/11	•			181	1-20428-01~	00				
Company Rosewoo		our	ces, Inc.				Lease C. Ihrig					21-21	Well Nui H	mber	
County Sherman	1		Location NENW	)	Section 21		TWP 7S		RNG (E 39W	/W)			Acres A BO	ttributed	
ield Goodland	d				Reservoir Niobrara					thering Conne Systems Inc					
Completio 0/4/2006					Plug Back 3218'	k Total De	epth		Packer \$	Set at					
asing Si 1/2"	ze		Weight 10.5#		Internal D 4.000	Diameter	Set . 321		Perfo 314	orations .7'		To 3162'			
ubing Siz	ze		Weight		Internal D	Diameter	Set	at	Perfo	orations		То			
ype Com ingle (l					Type Flui Dry Ga		ion		Pump U Flowir	nit or Traveling 1 <b>g</b>	Plunger		(No)		
roducing		Anr	nulus / Tubing)		% C	arbon Did	oxide		% Nitro	gen		Gas Gr	avity - G	à <sub>o</sub>	
ertical D 235'	epth(H)	·					essure Taps inge					(Meter F 2"	Run) (Pi	over) Size	
Pressure	Buildup		Shut in 9-26		0 11 at 1		_ (AM)(PM)			20			(	(M)(PM)	
Well on Li	ine:	;	Started 9-27	2	0 <u>11</u> at <u>1</u>	0:30	(AM)(PM)	Taken 9-	-28	20	11 at.	11:15	(	AM) (PM)	
,						OBSER	VED SURFAC	E DATA		*****	Duration	of Shut-	<sub>in_</sub> 24	Hours	
Static / Dynamic Property	namic Size		Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Well Head Temperature t		d Wellhead	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In							8	22.4							
Flow							7	21.4			24		0		
						FLOW S	TREAM ATTE	RIBUTES		I				1	
Plate Coefflecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter or  Prover Pressure  psia		Press Extension P <sub>m</sub> x h	Gravity Factor F		Flowing Temperature Factor F <sub>tt</sub>	Fa	viation actor F <sub>pv</sub>	Metered Flow R (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
										16					
			<b></b>		•		.IVERABILITY	•					<sup>2</sup> = 0.2	07	
P <sub>c</sub> ) <sup>2</sup> =		<u>:</u>	(P <sub>w</sub> ) <sup>2</sup> =	hoose formula 1 or 2				P <sub>c</sub> - 14.4) +				(F <sub>d</sub> )	<sup>2</sup> =		
$(P_g)^2 - (P_g)^2$ or $(P_g)^2 - (P_g)^2$				LOG of formula 1. or 2. and divide	formula 1. or 2. and divide   p 2. p 2		Backpressure Curve Slope = "n" Assigned Standard Slope		n x LOG		tilog	Del Equals	en Flow iverability R x Antilog (Mcfd)		
			di	vided by: $P_c^2 - P_w$	2 by:	<u> </u>	_i Stant	aara Giope							
												1			
Open Flo	w			Mcfd @ 14	.65 psia		Delivera	bility			Mcfd @	14.65 ps	ia	<u>.</u>	
		_	d authority, on								ort and th	hat he ha		ledge of	
ne facts s	tated th	erei	in, and that sai	d report is tru	e and correc	t. Execut	ted this the _4	<u></u>	day of $\underline{\underline{}}$	December	K	3011	· U.	DEAR	
			Witness (if	any)			-	-0	yw	For	Company	سر	حد	xevel/	
			For Commis	sion		<del></del>	_			Che	cked by			APR 24	

exempt status und and that the foreg correct to the best of equipment insta	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler 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 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.
	est a one-year exemption from open flow testing for the G. Ihrig 21-21H ounds 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 eto supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
Date: 12/28/11	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.

RECEIVED

APR 2 4 2012

KCC WICHITA

W2271 C. Ihrig 21-21H North Goodland Goodland None September-11

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	Casing			HF	rs	REMARKS
DATE	PSI	STATIC	MCF	DC	OWN	(Maximum length 110 characters)
9/1/2011		9 2	2	14	0	
9/2/2011		9 2	2	6	12	
9/3/2011	1	1 2	4	14	0	
9/4/2011		9 2	2	15	0	
9/5/2011		8 2	1	15	0	
9/6/2011		8 2	1	15	0	
9/7/2011		8 2	1	15	0	
9/8/2011		6 1	9	17	0	
9/9/2011		7 2	0	16	0	
9/10/2011		7 2	0	16	0	
9/11/2011		7 2	0	16	0	
9/12/2011		7 2	0	16	0	
9/13/2011		7 2	0	16	0	
9/14/2011		7 2	0	16	0	
9/15/2011		7 2	.0	16	0	
9/16/2011		7 2	.0	16	0	·
9/17/2011		7 2	.0	17	0	
9/18/2011		7 2	.0	16	0	
9/19/2011		7 2	20	16	0	cal
9/20/2011		7 2	20	13	0	
9/21/2011		6 1	9	17	0	
9/22/2011		7 2	.0	15	2	
9/23/2011		8 2	21	15	2.5	
9/24/2011		9 2	.2	10	15	
9/25/2011		9 2	22	16	0	
9/26/2011		8 2	21	16	0	shut in for test
9/27/2011		8 2	21	0	24	opened up
9/28/2011		8 2	21	17	0	
9/29/2011		8 2	21	16	0	
9/30/2011		8 2	21	15	2.5	
10/1/2011		0	0	0	0	

Total 438

W2271 C. Ihrig 21-21H North Goodland Goodland None October-11

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
10/1/2011		7	20	17	0	
10/2/2011		7	20	18	0	
10/3/2011		7	20	17	0	
10/4/2011		7	20	17	0	
10/5/2011		7	20	17 .	0	
10/6/2011		7	20	17	0	
10/7/2011		7	20	17	0	
10/8/2011		7	20	17	0	
10/9/2011		6	19	17	0	
10/10/2011		6	19	17	0	
10/11/2011		6	19	17	0	
10/12/2011		6	19	17	0	
10/13/2011		6	19	17	0	
10/14/2011		6	19	17	0	
10/15/2011		6	19	17	0	
10/16/2011		6	19	17	0	
10/17/2011		6	19	17	0	
10/18/2011		6	19	17	0	
10/19/2011		6	19	17	0	
10/20/2011		6	19	18	0	
10/21/2011		7	20	16	2	
10/22/2011		7	20	17	0	
10/23/2011		6	19	17	0	
10/24/2011		6	19	17	0	
10/25/2011		8	21	15	2	
10/26/2011		7	20	17	0	
10/27/2011		6	19	17	0	
10/28/2011		6	19	17	0	
10/29/2011		6	19	17	0	
10/30/2011		6	19	17	0	
10/31/2011		6	19	17	0	

Total 526

W2271 C. Ihrig 21-21H North Goodland Goodland None November-11

	Casing			HRS	S	REMARKS
DATE	PSI	STATIC	MCF	DO	WN	(Maximum length 110 characters)
11/1/2011		6 1	9	17	(	)
11/2/2011		6 1	9	17	(	)
11/3/2011		6 1	9	16	(	)
11/4/2011		6 1	9	17	(	)
11/5/2011		6 1	9	17	(	)
11/6/2011		6 1	9	17	(	)
11/7/2011		6 1	9	17	(	)
11/8/2011		6 1	9	17	(	) bp
11/9/2011		6 1	9	17	(	)
11/10/2011		6 1	9	16	(	)
11/11/2011		6 1	9	17	(	)
11/12/2011		6 1	9	17	(	0
11/13/2011		6 1	9	17	(	0
11/14/2011		6 1	9	17	(	0
11/15/2011		6 1	9	17	(	)
11/16/2011		6 1	9	17	(	)
11/17/2011		6 1	9	16	(	)
11/18/2011		6 1	9	16	(	blown out, flowing 49, pinched to 3
11/19/2011	1	.3 2	6	32	(	0
11/20/2011	1	4 2	7	35	(	0
11/21/2011	1	4 2	7	32	(	0
11/22/2011	1	4 2	7	31	(	0
11/23/2011	1	13 2	6	32	(	0
11/24/2011	1	13 2	6	32	(	0
11/25/2011	1	12 2	5	31	(	0
11/26/2011	1	12 2	5	30	(	0
11/27/2011	1	12 2	5	32	(	0
11/28/2011	1	12 2	5	30	(	0
11/29/2011	1	12 2	5	29	(	0
11/30/2011	1	11 2	4	29	(	0
12/1/2011		0	0	0	(	0

Total 677