KCC WICHITA

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

Type Test						(-	See Ins	tructio	ons on Rev	verse Side	)			-		
Open Flow Test Date:							API No. 15									
Company					1	10/5/2010			181-20562-0 <b>0</b>				0-	Well Number		
Rosewood Resources, Inc. County Location				Section			TWP	TWP RNG (E/W)			21-05 Acres Attributed					
Shermar	1		NENW	·	5			78	- , ,					30		
Field Goodlan	d				Reservoir Niobrara			Gas Gathering Conne Branch Systems Inc								
Completic 8/25/201		е			Plug Back Total Depti 1281'			Packer Set at								
Casing Size Weight 4 1/2" 10.5#					Internal Diameter 4.000						Perforations 1114'		то 1138'			
Tubing Si NONE	ZØ		Weig	nt	In	iternal D	iameter	7	Set at Perfo		orations To		То	_		
Type Com Single (					Type Fluid Production Dry Gas				Pump Unit or Traveling Flowing		g Plunger? Yes No					
Producing Annulus		(Anr	nulus / Tubin	9)	% Carbon Dioxide				le	% Nitrogen			Gas Gravity - G <sub>g</sub> .6			
Vertical D	epth(H	1)		•				Pressure Taps					(Meter Run) (Prover) Size			
1320'	-				Flange				je		<del></del>	<del></del>	-	2"		
Pressure	Buildu								(AM)(PM)	Taken		20	at		(	AM) (PM)
Well on Li	ne:	;	Started 10-	4	20 10	0 <sub>at</sub> 1	1:50	. (	(AM))(PM)	Taken _10	)-5	20	10 <sub>at</sub>	11:55	(	AM) (PM)
							OBSE	RVE	SURFACI	E DATA			Duratio	n of Shut-i	n 24	Hours
Static / Orifice Circle one:  Meter		Pressure Differential	, Flowing We		Well He	Well Head		Casing Wellhead Pressure We		Tubing		Ouration		d Produced		
Dynamic Property	Inches Prover Pressure		ure In	In temperature		Temperature 1		(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		(Hours)		1 '	(Barrets)	
Shut-In	psig (Pm)		Inches H <sub>2</sub> 0	<u> </u>				psig	psia	psig psia						
Flow									38	52.4			24		0	
				•			FLOW	STRE	EAM ATTR	IBUTES	•	'				
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) McId  Circle one:  Meter or Prover Prassure psia		nt Meter or Prover Pressure		Press Extension	Extension Fact		tor Te		Flowing emperature Factor F <sub>1</sub> ,	Deviation Factor F <sub>pv</sub>		Metered Flow R (Mctd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity
								- 11			19				G <sub>m</sub>	
				•	(01		OW) (DE	LIVE	RABILITY			<del>'</del>	F		= 0.2	
$P_c)^2 =$	<u>I</u>	:	(P <sub>w</sub> )² =	Choose formula 1 or	٠.	P <sub>d</sub> =		<u>%</u>	T	· - 14.4) +	<del></del>	<del></del> :		(P₀)²	<b>=</b>	<del></del>
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>e</sub> )²- (P <sub>w</sub> )²		1. P <sub>e</sub> <sup>2</sup> · P <sub>e</sub> <sup>2</sup> 2. P <sub>e</sub> <sup>2</sup> · P <sub>e</sub> <sup>2</sup>	1. P <sup>2</sup> ·P <sup>2</sup> LOG of formula 1. or 2.		0 2 . 0	Backpressure Curve Slope = "n"		n x LOG		An	Antilog D		en Flow iverability R x Antilog	
				divided by: Pe-P	2	by:		<u>.                                    </u>	Standa	ard Slope		L J	<u> </u>		1	(Mcfd)
		_														
Open Flor	N			Mcfd @ 1	4.65 p	sia			Deliverab	ility			Mcid @	14.65 psi	a	
			•						· ·		_	he above repo December	rt and ti	hat he ha		-
e facts si	tated th	nerei	n, and that s	aid report is tr	Je and	d correct	i. Execi	uted 1	this the 2		day of L		L	,	, 3	20 10
			Witness	(if any)					_		way.	For C	company			RECEN
							-			·· - <del></del>						
			For Comi	nission						- <del></del>		Chec	ked by			JAN 2 5

exempt st and that t correct to	lare under penalty of perjury under the laws of the state of Kansas that I am authorized to request tatus under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.  the foregoing pressure information and statements contained on this application form are true and the best of my knowledge and belief based upon available production summaries and lease records the installation and/or upon type of completion or upon use being made of the gas well herein named.
	eby request a one-year exemption from open flow testing for the Homestead 21-05
	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 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  her agree to supply to the best of my ability any and all supporting documents deemed by Commission eccessary to corroborate this claim for exemption from testing.
	Signature: League Inshan  Title: Assistant Production Foreman

## 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.

JAN 2 6 2011
KCC WICHITA

W2744
Homestead 21-05
North Goodland
Goodland
None
October-10

FloBoss					
	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
10/1/2010					blowing to pit
10/2/2010					blowing to pit
10/3/2010	33				blowing to pit
10/4/2010	33	}			blowing to pit
10/5/2010	39	52	0		flowing 21, 17 for the month
10/6/2010	42	55	21		
10/7/2010	42	. 55	22	2	
10/8/2010	43	56	22		
10/9/2010	42	. 55	22		
10/10/2010	42	55	22		
10/11/2010	42	55	22		
10/12/2010	42	55	22		opened to 29
10/13/2010	39	52	25	6	
10/14/2010	39	52	27		
10/15/2010	39	52	27		
10/16/2010	38	51	26		
10/17/2010	37	50	26		
10/18/2010	37	50	26		
10/19/2010	36	49	26		
10/20/2010	37	50	26		
10/21/2010	37	50	26		
10/22/2010	36	49	26		
10/23/2010	35	48	25		
10/24/2010	34	47	25		
10/25/2010	34	47	24		
10/26/2010	34	47	24	3	opened to 30
10/27/2010	32	. 45	28		
10/28/2010	31	44	28		bp
10/29/2010	30	43	28		
10/30/2010	30	43	27		
10/31/2010	30	43	27		

Total 650

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JAN 2 6 2011

KCC WICHITA

W444
Homestead 21-05
North Goodland
Goodland
None
November-10

FloBoss	Casing	-	-	HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
11/1/2010	29			0	<u> </u>
11/2/2010	28			0	
11/2/2010	28			4	
11/4/2010	28				
11/4/2010	28			0	
11/6/2010	27			0	
11/7/2010	27				
11/8/2010	27			0	
11/9/2010					
11/9/2010	27			0	
11/11/2010	26 25			0	
11/11/2010	25				bp
11/12/2010	25			0	
11/13/2010	25			0	
				0	
11/15/2010	25			0	
11/16/2010	25			0	
11/17/2010	24			0	
11/18/2010	24			0	
11/19/2010	24			0	
11/20/2010	23			0	
11/21/2010	24			0	
11/22/2010	24			0	
11/23/2010	24			0	
11/24/2010	23			0	
11/25/2010	23		23	0	
11/26/2010	23		20	0	
11/27/2010	23		20	0	
11/28/2010	23		21	0	
11/29/2010	22	. 35	22	0	
11/30/2010	22	35	20	0	
12/1/2010				0	

Total

701

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KCC WICHITA

W444

Homestead 21-05

North Goodland

Goodland

None

December-10

FloBoss

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
12/1/2010	2				
12/2/2010	2	1 34	1 20	0	
12/3/2010	2	1 34	1 20	) 0	
12/4/2010	2	1 34	1 20	0	
12/5/2010	22	2 35	5 20	0	
12/6/2010	2	1 34	1 20	0	
12/7/2010	26	33	3 20	) 0	
12/8/2010	23	3 36	5 20	) 0	cd
12/9/2010	23	2 35	5 12	2 6	bp
12/10/2010	2	1 34	19	3	
12/11/2010	2	1 34	2	1 0	
12/12/2010	20	) 33	3 19	9 0	
12/13/2010	20	33	3 19	9 0	
12/14/2010	20	33	3 19	9 0	
12/15/2010	20	33	3 19	9 0	
12/16/2010	19	9 32	2 19	9 0	
12/17/2010	19	32	2 20	0	
12/18/2010	20	33	3 19	9 0	
12/19/2010	20	33	3 10	5 0	
12/20/2010	19	9 32	2 19	9 0	
12/21/2010	19	9 32	2 19	9 0	bp, meth
12/22/2010	19	32	2 19	9 0	
12/23/2010	19	9 32	2 19	9 0	
12/24/2010	20	33	3 10	5 0	
12/25/2010	19	32	2 19	9 0	
12/26/2010	18	3 31	l 19	9 0	
12/27/2010	18	3 31	19	0	
12/28/2010	18	3 31	l 19	9 0	
12/29/2010	18	3 31	19	9 0	
12/30/2010	18	3 31	l 19	9 0	
12/31/2010	18	31	19	9 0	

Total 587

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JAN ? 5 2011
KCC WICHITA