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

Type Test	:		exert		(	See Inst	ructio	ons on Rei	verse Side	9)							
			<b>BSI</b>		Test Date	):					API I	No. 15					
Del	liverabi	ty			9/27/11						15-1	81-20419-	00-	$\infty$			<del> </del>
Company Rosewoo		oui	ces					Lease G. Ihrig							43-16	Well Nu	mber
County Location Sherman NESE					Section 16				RNG (E/W) 39W				Acres Attributed 80				
Field						Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.							
Completion Date P					Plug Bac 1146'	Plug Back Total Depth				P	Packer Set at						
Casing Size Weight				Internal E 2.441	Internal Diameter			Set at 1146.25'			Perforations 988'			To 1020'			
Tubing Si	20		Weight		Internal Diameter Set at			Perforations					То				
Type Con Single (					Type Flui Dry Ga		ction				ump Un	t or Traveling	Plu	nger?	Yes	700	
	Thru		rulus / Tubing)	<del>-</del> <u>-</u>		% Carbon Dioxide					% Nitrogen				Gas Gravity - G <sub>s</sub>		
Vertical D		,- <u>-</u> -				Pressure Taps										Run) (P	rover) Size
1020'						Flange									2"		
Pressure	Buildup	):	Shut in <u>9-26</u>		0 11 at 1	11 at 1:25 (AM) (PM) Taken 9-				-27	-27 20 11 at 1					1:40 (AM)(PM)	
Well on L	ine:	1	Started <u>9-27</u>	2	0 11 at 1	11 at 1:40 (AM) (PM) Taken 9-				-28						(	AM(PM)
						OBSER	RVEC	SURFAC	E DATA				Dur	ration (	of Shut-	<sub>in_</sub> 24	Hours
Static / Dynamic Property	Static / Orifice Mo		Circle one: Mater Prover Pressur	- 1	Flowing Temperature t	rature Temperature		Casing Wellhead Pressure $(P_u) \propto (P_l) \propto (P_e)$			Tubing Wellhead Pressura $(P_w)$ or $(P_t)$ or $(P_e)$		Duration (Hours)		Liquid Produced (Barrets)		
Shut-In		<u>,                                     </u>	psig (Pm)	Inches H <sub>2</sub> 0			_{	psig 7	psla 21.4		psig psia				-		
Flow								6	20.4		-		24	4		0	
						FLOW	STRE	EAM ATTR	IBUTES					<u>-</u> .			
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Motd		Mater or Ext		Press Extension P <sub>m</sub> x h	Fac	Gravity Factor F <sub>g</sub>		emperature Fac			tation Metered Flor actor R F (Mcfd)		w GOR (Cubic Fe Barrel)			Flowing Fluid Gravity G_	
												12					
(P <sub>e</sub> )² =			(P <sub>w</sub> ) <sup>z</sup> =_		(OPEN FL	OW) (DE	LIVE		) CALCUL						(P <sub>a</sub> )	) <sup>2</sup> = 0.2	07
$(P_q)^2 - (P_q)^2$ or $(P_q)^2 + (P_q)^2$		(P <sub>a</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>3</sup> 1. P <sub>a</sub> <sup>2</sup> - P <sub>a</sub> <sup>3</sup> 2. P <sub>a</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> divided by: P <sub>a</sub> <sup>2</sup> - P <sub>a</sub>		LOG of formula 1, or 2, and divide	LOG of formula 1. or 2.		Backpressure Curve Slope = 'n' Assigned Standard Slope		_			Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)			
							<del></del> -		· · · · · · · · · · · · · · · · · · ·								
Onna Fla				14-4-4 6 44	05			2-5			<u></u>	··			4.00	<u></u>	
Open Flor			d numberales	Mcfd @ 14.				Deliverab	•					-	4.65 ps		dadas =
			d authority, on n, and that sai									e above repo	ori a	no the	it ne na		18age of 20 <u>11</u>
- ·							_			سر ہو	?a	nul		6	Q/	re	2)
			Witness (if	any)			_	_	-			For	Comp	any		R	ECEIVE
			For Commis	sion			-	-				Che	cked	by		Al	PR 2 4 2

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation 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 G. Ihrig 43-16 gas well on the grounds that said well:
(Check one)  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  I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.
Date: 12/28/11
Signature: <u>Janual Guulo</u> Title: <u>Production Assistant</u>

## 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

W2057
G. Lhrig 43-167
North Goodland
Goodland
None
September-11

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

Total 329

RECEIVED
APR 2 4 2012
KCC WICHITA

W2057
G. Ihrig;43:16
North Goodland
Goodland
None
October-11

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

Total 374

RECEIVED
APR 2 4 2012
KCC WICHITA

W2057
G-Shrig 43-16 a '
North Goodland
Goodland
None

November-11

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
11/1/2011		6	19	11	0
11/2/2011		6	19	11	0
11/3/2011		6	19	11	0
11/4/2011		6	19	12	0
11/5/2011		6	19	12	0
11/6/2011		5	18	12	0
11/7/2011		5	18	12	0
11/8/2011		5	18	12	0 bp
11/9/2011		5	18	12	0
11/10/2013	l	5	18	11	0
11/11/201	l	5	18	12	0
11/12/2011	i	5	18	12	0
11/13/201	l	5	18	12	0
11/14/201	1	5	18	12	0
11/15/201	l	5	18	12	0
11/16/201	i	5	18	12	0
11/17/201	l	5	18	12	0
11/18/2013	[	5	18	11	0
11/19/201	1	6	19	9	0
11/20/201	Į.	6	19	10	0
11/21/201	l	6	19	10	0
11/22/2011	ļ	6	19	11	0
11/23/201	l	6	19	11	0
11/24/201	1	6	19	11	0
11/25/2011	l	6	19	11	0
11/26/201	l	6	19	11	0
11/27/201	l	6	19	11	0
11/28/201	l	5	18	12	0
11/29/201	l	5	18	11	0
11/30/201	l	5	18	11	0
12/1/2011		0	0	0	0

Total 340

RECEIVED
APR 2 4 2012
KCC WICHITA