KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:		T		(i	See Instruc	tions on Reve	erse Side)					
[] Op	en Flow	,	BISI											
Deliverability			Test Date: 9/8/11				API No. 15 181-20427-01-00							
Company Rosewood Resources, Inc.					3/0/11	Lease G. Ihrig				20121 01		Well Number 21-20H		
					Section 20	Section TWP				/W)		Acres Attributed 80		
Field Goodlan	d					Reservoir Niobrara				39W 80 Gas Gathering Connection Branch Systems Inc.				
Completic 8/29/20		!			Plug Back Total Depth 3266'				Packer S	Set at				
Casing Si 4 1/2"	ze		Weigh 10.5#		Internal D 4.000	Internal Diameter Set at 4,000 3266'				orations 7'	то 3212'		•	
Tubing SI NONE	ze		Weigh		Internal C	Internal Diameter Set at				rations	То	То		
Type Con Single (,,	Type Fluk Dry Ga	d Production	on		Pump U Flowin	nit or Traveling	Plunger? Yes	nger? Yes No		
Producing Annulus	-	Ann	nulus / Tubing)	% C	arbon Diox	ride		% Nitrog	jen	Gas Gr .6	Gas Gravity - G _a .6		
Vertical D	epth(H)					Pres	ssure Taps				(Meter	Run) (Pr	over) Size	
3287'						Flar	nge				2"			
Pressure	Bulldup		Shut in 9-7			11 at 1:00 (AM) (PM) Taken 9-					11 at 1:15	(AM) (M)	
Well on L	ine:	Ş	Started 9-8	20	o <u>11</u> at <u>1:</u>	:15	. (AM)(PM)	Taken <u>9-</u>	9	20	11 at 2:00	(AM) (PM)	
						OBSERV	ED SURFACE	DATA			Duration of Shut-	in _24	Hours	
Static / Dynamic Property	Dynamic Size Prover Pressure			Flowing Well Heat Temperature Temperature		i Walihaad Praceura		Tubing Wellhead Pressure (P _w) or (P _t) or (P _s)		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In	, and a	-	psig (Pm)	Inches H ₂ 0	,		psig 22	psia 36.4	psig	psla				
Flow		•					11	25.4			24	0		
· · · · · ·				,	:	FLOW ST	REAM ATTRI	BUTES			·	-1		
Plate Coefficient (F _a) (F _p) Mofd			Circle one: Meter or vor Pressure pala	Press Extension P _m xh	Gravity Factor F _g		Flowing Temperature Factor F ₁₁	nperature Factor		Metered Flor R (McId)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
										22	-			
(P _e) ² =	•		(P _w) ² =	4	(OPEN FL	OW) (DELI	VERABILITY)	CALCUL - 14.4) +		•	(P _s)	² = 0.20	7	
(P _a)*- (I	1	(P	(P _w) ² • (P _w) ²	Choose formula 1 or 2 1. P. 2 - P. 2 2. P. 2 - P. 3 tivided by: P. 2 - P. 3	LOG of formula 1, or 2, and divide	P.* . P.*	Backpres Slope Ass	sure Curve e = "n" origned ird Slope		rog	Antilog	Op Deli Equals	en Flow verability R x Antilog Mcfd)	
														
Open Flo	L w			Mcfd @ 14.	 65 psia		Deliverabl	lity	<u> </u>		Mcfd @ 14.65 ps	ia		
The	undersk	ากคา	authority or	behalf of the	Company	states that	he is duly an	thorized t	o make t	he above rend	ort and that he ha	as knowl	edge of	
	•		<u> </u>	id report is true	• •		-			December			20 11 .	
								/		inal	11 60	LLL	es	
			Wilness (i	any)			_			For	Company	CE	VED	
		-	For Comm	ission			_			Che	cked by AF	R 24	2012	

KCC WICHITA

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 21-20H 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 Commissi staff as necessary to corroborate this claim for exemption from testing.	on
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

W2269

G. Ihrig 21-20H 7

North Goodland

Goodland

None

September-11

FloBoss

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

Total 585

RECEIVED
APR 2 4 2012
KCC WICHITA

W2269

G. Ihrig 21-20H

North Goodland

Goodland

None

October-11

FloBoss

FIODOSS	Casing				HR	s	REMARKS
DATE	PSI	STA	ГІС	MCF		WN	(Maximum length 110 characters)
10/1/2011		10	23		22	0	
10/2/2011		10	23		22	0	
10/3/2011		10	23		22	0	
10/4/2011		10	23		22	0	
10/5/2011		10	23		22	0	
10/6/2011		10	23		22	0	
10/7/2011		10	23		21	0	
10/8/2011		10	23		21	0	
10/9/2011		9	22		21	0	
10/10/2011		9	22		22	0	
10/11/2011		10	23		22	0	
10/12/2011		9	22		22	0	
10/13/2011		10	23		22	0	
10/14/2011		9	22	:	22	0	
10/15/2011		9	22	•	22	0	
10/16/2011		9	22	•	21	0	
10/17/2011		9	22		21	0	
10/18/2011		9	22		21	0	
10/19/2011		9	22		21	0	
10/20/2011		9	22		22	0	
10/21/2011		9	22		20	2	
10/22/2011		9	22	•	20	0	
10/23/2011		9	22		21	0	
10/24/2011		9	22		21	0	
10/25/2011		10	23		18	2	
10/26/2011		9	22		20	0	
10/27/2011		9	22	•	20	0	
10/28/2011		9	22		20	0	
10/29/2011		9	22		21	0	
10/30/2011		9	22		21	0	
10/31/2011		9	22		21	0	

Total 656

RECEIVED
APR 2 4 2012
KCC WICHITA

W2269

G. Ihrig 21-20H

North Goodland

Goodland

None

November-11

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

Total 586