KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test			marci.		(See Instruct	ions on Re	everse Side)					
Op	en Flow	Ø	13L		Test Date				A DI	No. 15				
De	liverabil	ty			9/28/20					-20429-01 - 0	0			
Company		our	ces				Lease Buchol	tz				V 2-15H	Well Nu	mber
County Location Cheyenne NESE					Section 15		TWP 3S	RNG (E/ 41W	W)		Acres Attributed 80			
Field					Reservoir Niobrara					hering Conne Systems Inc				
Completion 7-9-2001					Plug Bac 2803'	k Total Dept	th		Packer S	Set at				
Casing S 7"	ize		Weigh 20#	t	Internal D 6.456	Diameter	Set 157			rations 9' MD		то 2803'MD		
Tubing Si	ize 2		n∕ Weigh	t	Internal [Diameter	Set	at , 40 '	Perfo	rations		То	-	
Type Con Single (npletion	(De			Type Flui Dry Ga	d Production			Pump Ur Pumpi	nit or Traveling	Plunger	? (Yes)	/ No Dera	ble
Producing	g Thru	(Ann	ulus / Tubing	j)	% C	arbon Dioxi	de		% Nitrog			Gas G		
Annulus												.6		
Vertical D	Pepth(H)				Press Flan	sure Taps ge					(Meter F 2"	Run) (Pi	over) Size
Pressure	Buildup		Shut in 9-2	2	0 11 at 1	0:55	(AM) (PM)	Taken 9-			11 at		(AM) (PM)
Well on L	ine:	S	Started 9-2	3 2	0 11 at 1	1:05	(PM)	Taken 9-	29	20	11 at	11:55	(AM)(PM)
					-	OBSERVE	T		1		Duration	of Shut-i	in _24	Hours
Static / Dynamic Property	Dynamic Size Prover Pressure		Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P_w) or (P_1) or (P_c) psig psia			Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			2			74	88.4	psig						
Flow	Flow						52	66.4			24		0	
	- 1			1		FLOW STR	EAM ATTI	RIBUTES						
Plate Coeffiecient (F _b)(F _p) Mcfd		1	Circle one: Meter or ver Pressure psia	Press Extension ✓ P _m x h	Grav Fac F	tor 1	Flowing Femperature Factor F ₁₁	erature Factor		tor R		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m
									2					
					•	OW) (DELIV		•				-	² = 0.2	07
(P _c) ² =		_ :	(P _w)² ≈	Choose formula 1 or 2	P _d =		"	(P _c - 14.4) +	14.4 =	 : ₁		(P _d)	'=	
$(P_c)^2 - (P_o)^2$ $(P_c)^2 - (P_o)^2$ $(P_c)^2 - (P_o)^2$)²- (P _w)²	1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w$	LOG of formula 1. or 2. and divide		Backpressure Curve Slope = "n"oror Assigned Standard Slope		n x	LOG	Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
				- c, w										
													<u> </u>	
Open Flo	w			Mcfd @ 14	65 psia		Delivera	bility			Mcfd @	14.65 psi	а	
		-	•	n behalf of the	•		•		r	ne above repo Jecember	rt and th	nat he ha		- -
the facts s	tated th	ereir	n, and that sa	aid report is tru	e and correc	t. Executed	this the _4		day of _	1111	16	P 111	<u> </u>	20 <u>11 </u>
			Witness (i	f any)					/0	For C	Company	<u> </u>	RE	CEIVE
			For Comm	ission						Chec	cked by		ADI	2 2 1, 20

APR 2 4 2012

exempt status under and that the forego- correct to the best of of equipment install	r penalty of perjury under the laws of the state of Kansas that I am authorized to request at Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc. Sing 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 lation and/or upon type of completion or upon use being made of the gas well herein named.
gas well on the gro	st a one-year exemption from open flow testing for the Bucholtz 2-15H unds that said well:
I further agree	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 to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: 12/28/11	
	Signature: Quul Guul Title: Production Assistant

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.

W344

Buchöltz 02-15H

St. Francis

St. Francis

Pumping Unit/Gas

September-11

	Tubii	ng Casing						Vater	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLH	DOWN E	BBLŞ	(Maximum length 110 characters)
9/1/2011		53	65	2	0	0	0	(0)	
9/2/2011		53	66	2	0	0	0	0	
9/3/2011		53	65	2	0	0	0	0	
9/4/2011		53	65	2	0	0	0	0	
9/5/2011		53	65	2	0	0	0	0	
9/6/2011		53	65	2	0	0	0	0	
9/7/2011		53	64	2	0	0	0	Q	
9/8/2011		52	66	2	0	0	0	0	
9/9/2011		53	65	2	0	0	0	q	
9/10/2011		53	65	2			0	0	
9/11/2011		54	65				0	0	
9/12/2011		53	66				0	0	1
9/13/2011		52	65				0	0	
9/14/2011		52	65	2	0	0	0	10	VOLUMES ?
9/15/2011		52	65	2	0	0	0	0	
9/16/2011		52	65	2	0	0	0	0	
9/17/2011		53	65	2	0	0	0	0	
9/18/2011		52	64	2	0	0	0	0	
9/19/2011		53	64	2	0	0	0	0	
9/20/2011		53	65	2	0	0	0	0	
9/21/2011		52	64	2	0	0	0	0	İ
9/22/2011		53	64	2	0	0	0	0	1
9/23/2011		51	64	2	0	0	0	0	
9/24/2011		51	64	2	0	0	0	0	
9/25/2011		49	65	2	C	0	0	0	
9/26/2011		49	65	2	0	0	0	0	
9/27/2011		50	65	2	0	0	0	0	
9/28/2011		74	64	0	C	0	24	0	si for state test
9/29/2011		49	63	4	C	0	0	0	1
9/30/2011		0	62	3	C	0	. 0	\ o	
10/1/2011		0	0	0	0	0	0		
Fotal				61				0	1

W344

Bucholtz 02-15H

St. Francis

St. Francis

Pumping Unit/Gas

October-11

	Tubing	Casing					HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	Maximum length 110 characters
10/1/2011		51	64	2	0	0	0	0	
10/2/2011		52	66	2	0	0	0	0	
10/3/2011		52	66	2	0	0	0	0	
10/4/2011		52	65	2	0	0	0	0	
10/5/2011		51	65	2	0	0	0	0	
10/6/2011		52	64	3	0	0	0	0	
10/7/2011		55	66	2	0	0	0	0	
10/8/2011		55	65	2	0	0	0	0	
10/9/2011		53	65	2	0	0	0	0	
10/10/2011		52	65	2	0	0	0	0	
10/11/2011		51	67	2	0	0	0	0	
10/12/2011		51	65	3	0	0	0	0	
10/13/2011		51	62	3	0	0	0	0	
10/14/2011		49	63	2	0	0	0	0	
10/15/2011		49	63	2	0	0	0	0	
10/16/2011		49	63	2	0	0	0	0	
10/17/2011		50	63	2	0	0	0	0	
10/18/2011		49	63	2	0	0	0	0	
10/19/2011		49	66	2	0	0	0	0	
10/20/2011		49	· 65	2	0	0	0	0	
10/21/2011		51	64	2	0	0	0	0	
10/22/2011		51	65	2	0	0	0	0	·
10/23/2011		52	65	2	0	0	0	0	
10/24/2011		52	64	2	0	0	0	0	
10/25/2011		51	65	2	0	0	0	0	
10/26/2011		51	64	2	0	0	0	0	
10/27/2011		51	64	2	0	0	0	0	
10/28/2011		52	64	2	0	0	0	0	•
10/29/2011		51	64	2	0	0	0	0	
10/30/2011		51	64	2	0	0	0	0	
10/31/2011		52	63	2	0	0	0	0	

Total 65 0

W344 Bucholtz 02-15H

St. Francis

St. Francis

Pumping Unit/Gas

November-11

	Tubing	Casing					HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters
11/1/2011		51	63	2	0	0	0	0	
11/2/2011		50	63	2	0	0	0	0	
11/3/2011		50	63	1	0	0	0	0	
11/4/2011		50	63	2	0	0	0	0	•
11/5/2011		50	63	2	0	0	0	0	
11/6/2011		50	63	2	0	0	0	0	
11/7/2011		58	63	2	0	0	0	0	
11/8/2011		50	64	2	0	0	0	0	
11/9/2011		50	63	2	0	0	0	0	
11/10/2011		50	63	2	0	0	0	0	ı
11/11/2011		50	63	3	0	0	0	0	ı
11/12/2011		50	62	2	0	0	0	0	ı
11/13/2011		50	62	2	0	0	0	0	I
11/14/2011		47	63	2	0	0	0	0	I
11/15/2011		50	61	2	0	0	0	0	
11/16/2011		47	61	2	C	0	0	0	1
11/17/2011		47	62	1	C	0	0	0)
11/18/2011		50	62	2	C	0	0	0)
11/19/2011		47	62	2	C	0	0	0)
11/20/2011		47	61	1	C	0	0	0)
11/21/2011		48	62	1	C	0	0	0)
11/22/2011		49	62	2	C	0	0	0)
11/23/2011		50	62	2	C	0	0	0	
11/24/2011		50	62	2	C	0	0	0)
11/25/2011		49	62	2	C	0	0	0	l
11/26/2011		49	62	2	C	0	0	0)
11/27/2011		49	62	1	0	0	0	0)
11/28/2011		49	62	2	(0	0	0)
11/29/2011		49	62	3	(0	0	0)
11/30/2011		50	62	2		0	0	0)
12/1/2011		0	0	0	(0	0	0)

0 Total 57