KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test		DST.		((See Instru	uctions on R	everse Side	∌)			
6.77	en Flow			Test Date	Test Date: API No. 15						
De	liverabilty	/ 		4/19/20	12			18	1-20494-01 0	0	
Company Rosewoo		ources, Inc.				Lease Armsti	rong			14-311	Well Number
County Location Sherman SWSW			Section 31					:/W)	Acres Attributed 80		
Field				Reservoir Niobrara				thering Conn	RECEIVE		
Completic 1/31/200				Plug Bac 3377'	·gp				Set at	JAN 03 20	
Casing Size Weight 4 1/2" 10.5#				Internal Diameter Set at 4.000 3377'				orations 10'	KCC WICHI		
Tubing Si	ize	Weig	<u> </u>		4.000 3377' 3310' Internal Diameter Set at Perforations						
Type Con		(Describe)			id Producti	ion	· · · · · · · · · · · · · · · · · · ·			Plunger? Yes	No
Single (nnulus / Tubir	ng)	Dry Ga	as Carbon Dio	oxide		Flowing % Nitro		Gas Gr	avity - G
Annulus										.6	
Vertical D	epth(H)				Pressure Taps , Flange					(Meter l	Run) (Prover) Size
Pressure	Buildup:	Shut in 4-	18	20.12 at 1	0:15	_(AM)(PM) Taken 4	19	20	12 at 10:25	(AM)(PM)
Well on L	ine:	Started 4-1	19 2	20 12 at 1	0:25	_ (AM)(PM) Taken 4	-20	20	12 at 11:15	(AM)(PM)
					OBSER\	/ED SURFA	CE DATA			Duration of Shut-	in 24 Hours
Static / Dynamic Property	Orifice Size (inches	Circle one: Mater Prover Pressure In Pressure Oifferential Temperature Temperature Temperature (P _w) or (P _t) or (P _c)		Wellh	(P_w) or (P_t) or (P_c) (Hours)		Liquid Produced (Barrels)				
Shut-In		psig (Pm)	inches H ₂ 0			psig 21	95.4	psig	psia		
Flow						1_	15.4			24	0
					FLOW ST	TREAM ATT	RIBUTES		,		
Plate Coefficient (F _b) (F _p) Mcfd		Circle one; Meter or Prover Pressure psia	Press Extension	Gra Fac F	tor	Flowing Temperature Factor F ₁₁	F:	riation actor F _{pv}	Metered Flor R (Mcfd)	w GOR (Cubic Fe Barrel)	Gravity
									8		
ro 12				•		IVERABILIT	•		_		² = 0.207
(P _c) ² =		: (P _w) ² :	Choose formula 1 or :	P _d =			(P _e - 14.4) +			(P _d)	
$(P_c)^2 \cdot (P_a)^2$ (P_c)		(P _e)² - (P _w)²	1. P _a ² -P _a ² 2. P _a ² -P _a ² divided by: P _a ² -P _a	LOG of formula 1. or 2. and divide p z p z by:		Ši	Backpressure Curve Slope ≈ "n"		rog	Antilog	Open Flow Deliverability Equals R x Antilog (McId)
Open Flo	w		Mcfd © 14	.65 psia		Delivers	ability			Mcfd @ 14.65 ps	<u>ia</u>
	_					•				ort and that he ha	
he facts s	tated the	rein, and that s	said report is tru	e and correc	t. Execute	ed this the _	20	day of _L	December . A I	Galni	, 20 12
		Witness	(il eny)				\leq	/ai	<u>lull</u>	Company	<u> </u>
		For Com	mission						Che	cked by	
		1 (4 (181)							~~~		

KCC WICHITA

anu me	status under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc. It the foregoing pressure information and statements contained on this application form are true and
	to the best of my knowledge and belief based upon available production summaries and lease records
	oment installation and/or upon type of completion or upon use being made of the gas well herein named. ereby request a one-year exemption from open flow testing for the Armstrong 14-31H
	Il 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
l fu	rther 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.
Date: _	2/20/12
	Can II Carry
	Signature: Danall Gulli

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.

W2430 Armstrong 14-31H South Goodland Goodland None April-12 RECEIVED

JAN 0 3 2013

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	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
4/1/2012		1 14	8	0	
4/2/2012		1 14	8	0	
4/3/2012		1 14	8	0	
4/4/2012		1 14	8	0	
4/5/2012		1 14	8	0	
4/6/2012		1 14	8	0	
4/7/2012		1 14	8	0	
4/8/2012		1 14	8	0	
4/9/2012		1 14	8	0	
4/10/2012		1 14	8	0	
4/11/2012		1 14	8	0	
4/12/2012		1 14	8	0	
4/13/2012		1 14	8	0	
4/14/2012		1 14	8	0	
4/15/2012		1 14	8	0	
4/16/2012		1 14	8	0	
4/17/2012		1 14	8	0	
4/18/2012		1 14	8	0	shut in for state
4/19/2012	2	1 14	0	24	opened up, bp
4/20/2012		1 14	8	0	
4/21/2012		1 14	8	0	
4/22/2012		1 14	8	0	
4/23/2012		1 14	8	0	
4/24/2012		1 14	8	0	
4/25/2012		1 14	8	0	
4/26/2012		1 14	8	0	
4/27/2012		1 14	8	0	
4/28/2012		1 14	8	0	
4/29/2012		1 14	8	0	
4/30/2012		1 14	8	0	
5/1/2012		0 0	0	0	

Total

W2430 Armstrong 14-31H South Goodland Goodland None

May-12

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JAN 0 3 2013

KCC WICHITA

	Casing		-	H	RS	REMARKS
DATE	PSI	STATIC	MCF	D	own	(Maximum length 110 characters)
5/1/2012		1 14	4	8	0	
5/2/2012		1 14	1	8	0	
5/3/2012		1 14	4	8	0	
5/4/2012		1 14	4	8	0	
5/5/2012		1 14	1	8	0	
5/6/2012		1 14	1	8	0	
5/7/2012		1 14	1	8	0	
5/8/2012		1 14	‡	8	0	
5/9/2012		1 14	1	8	0	
5/10/2012		1 14	4	8	0	
5/11/2012		1 14	1	8	0	
5/12/2012		1 14	1	8	0	
5/13/2012		1 14	1	8	0	
5/14/2012		1 14	4	8	0	
5/15/2012		1 14	1	8	0	
5/16/2012		1 14	4	8	0	
5/17/2012		1 14	1	8	0	
5/18/2012		1 14	4	8	0	
5/19/2012		1 14	1	8	0	
5/20/2012		1 14	1	8	0	
5/21/2012		1 14	1	8	0	
5/22/2012		1 14	1	8	0	
5/23/2012		1 14	4	8	0	
5/24/2012		1 14	1	8	0	
5/25/2012		1 14	1	8	0	
5/26/2012		3 10	5	7	6	
5/27/2012		1 14	1	8	0	
5/28/2012		1 14	1	8	0	
5/29/2012		2 1:	5	8	1	
5/30/2012		1 14	1	8	0	
5/31/2012		1 14	1	8	0	

Total

W2430 Armstrong 14-31H South Goodland Goodland None

June-12

RECEIVED

JAN 0 3 2013

KCC WICHITA

	Casing]	HRS	REMARKS
DATE	PSI	STATIC	MCF]	DOWN	(Maximum length 110 characters)
6/1/2012		1 14		8	0	
6/2/2012		1 14	•	8	0	
6/3/2012		1 14		8	0	
6/4/2012		1 14	•	8	0	
6/5/2012		1 14	•	8	0	
6/6/2012		1 14	•	8	0	
6/7/2012		1 14		8	0	
6/8/2012		1 14		8	0	
6/9/2012		1 14		8	0	
6/10/2012		1 14		8	0	
6/11/2012		1 14		8	0	
6/12/2012		1 14	•	8	0	
6/13/2012		1 14		8	0	
6/14/2012		1 14		8	0	
6/15/2012		1 14		8	0	
6/16/2012		1 14		8	0	
6/17/2012		1 14		8	0	
6/18/2012		i 14		8	0	
6/19/2012		i 14		8	0	
6/20/2012	,	1 14		8	0	
6/21/2012		1 14		8	0	
6/22/2012		1 14	•	8	0	
6/23/2012		1 14		8	0	
6/24/2012		1 14	•	8	0	
6/25/2012		1 14		8	0	
6/26/2012		1 14	•	8	0	
6/27/2012		1 14		8	0	
6/28/2012		1 14		8	0	
6/29/2012		1 14		8	0	
6/30/2012		1 14	1	8	0	
7/1/2012	() ()	0	0	

Total