KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:	12XI		(See Instruct	tions on Rev	verse Side)				
Open Flow			Test Date:				API No. 15					
Deliverabilty				10/1/14	10/1/14				-20405-00	QD		
Company Rosewo		urces, Inc.				_{Lease} Wahrm	an			14-22	Well Number	
•			Section 22		TWP 7S		RNG (E/ 39W	W)		Acres Attributed 80		
					Reservoir Niobrara			Gas Gathering Connection Branch Systems Inc.				
Completion Date				Plug Bac 1175'	9			Packer S	et at			
Casing Size Weight I			Internal E 2.441	Internal Diameter Set at 2.441 1175'			Perfor	rations)'	To 1060'			
Tubing Si	ze	Weigh		Internal I	Internal Diameter Set at			Perfo	rations	То		
Type Con Single (Pump Un	it or Traveling	Plunger? Yes	No	
-	-	nnulus / Tubing)	% C					en		Gas Gravity - G	
Annulus Vertical D					Drop	sure Taps				.6	Run) (Prover) Size	
1200'					Flan	ge				2"	1017 (1 10401) 0120	
Pressure	Buildup:	Shut in9-36								14 at 1:40	(AM)(PM)	
Well on L	ine:	Started 10-	<u> </u>	o <u>14</u> at <u>1</u>	:40	(AM)(PM)	Taken 10)-2	20	14 _{at 2:30}	(AM) (PM)	
					OBSERVE	D SURFACE	DATA			Duration of Shut-	in 24 Hours	
Static / Orifice Meter Dynamic Size Prover Pro		Circle ons: Meter Prover Pressu	Pressure Differential re in	Flowing Well Head Temperature t t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P_w) or (P_1) or (P_c)		Duration (Hours)	Liquid Produced (Barrels)	
Property Shut-In	(mortes)	psig (Pm)	Inches H ₂ 0	•		psig 8	psia 22.4	psig	psia		 	
Flow						5	19.4			24		
				1	FLOW STR	EAM ATTRI	BUTES					
Coeffiecient		Circle one: Meter or Prover Pressure psia	Press Extension	Gravity Factor F _e		Flowing Femperature Factor F _{tt}	Fa	iation ctor	Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)	l Gravity I	
		_	_						9			
		_		(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		(P.)	² == 0.207	
(P _c) ² =	:	$(P_w)^2 =$	<u>:</u>	P _d =		% (P	- 14.4) +	14.4 =	::		2 =	
(P _c) ² - (I or (P _c) ² - (I	P _e) ²	(P _e) ² - (P _w) ²	Choose formula 1 or 2 1. $P_0^2 - P_0^2$ 2. $P_0^2 - P_0^2$ divided by: $P_0^2 - P_0^2$	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Slop Ass	ssure Curve ee = "n" or signed ard Slope	l n x i	Log	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flo	w		Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd @ 14.65 ps	ia	
				· · · · · ·						ort and that he ha	s knowledge of	
tne facts s	tated ther	ein, and that sa	ia report is trui		CC W				_	Mit	20 <u></u> > 1011/	
		Witness (it	any)	2					For	Company	- Learn	
		For Comm	ssion		FEB_23	3 2015 -			Che	cked by		

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exempt status un	der Rule K.A.R. 82-3-30 going pressure informa	under the laws of the state of Kansas that I am authorized to request 04 on behalf of the operator Rosewood Resources, Inc. ation and statements contained on this application form are true and I belief based upon available production summaries and lease records
of equipment ins	taliation and/or upon typ	be of completion or upon use being made of the gas well herein named. ion from open flow testing for the
	rounds that said well:	ion non open now testing for the
✓ I further agre	is on vacuum at the p is not capable of proceeto supply to the best	·
£	CC WICHITA FEB 23 2015 RECEIVED	Signature: January Matrices 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.

W2265 Walumanin 14-22 7

North Goodland

Goodland

None

September-14

	Casing			HF		REMARKS
DATE	PSI	STATIC	MCF	DO	DWN _	(Maximum length 110 characters)
9/1/2014		5 1	8	10	0	
9/2/2014		5 1	8	10	0	
9/3/2014		5 1	8	10	0	
9/4/2014		5 1	8	9	0	
9/5/2014		5 1	8	9	0	
9/6/2014		5 1	8	9	0	
9/7/2014		5 1	8	9	0	
9/8/2014		5 1	8	9	0	
9/9/2014		5 1	8	9	0	
9/10/2014		5 1	8	9	0	
9/11/2014		5 1	8	9	0	
9/12/2014		5 1	8	9	0	
9/13/2014	•	5 1	8	9	0	
9/14/2014		5 1	8	9	0	
9/15/2014		5 1	8	9	0.5	
9/16/2014		5 1	8	9	0	
9/17/2014		5 1	8	9	0	
9/18/2014		5 1	8	9	0.5	
9/19/2014		5 1	8	9	0	
9/20/2014		5 1	8	9	0	
9/21/2014		5 1	8	9	0	
9/22/2014		5 1	8	9	0	
9/23/2014		5 1	8	9	0	
9/24/2014		5 1	8	9	0	
9/25/2014		5 1	8	9	0	
9/26/2014		5 1	8	9	0	
9/27/2014		5 1	8	9	0	
9/28/2014		5 1	8	9	0	
9/29/2014		5 1	8	9	0	
9/30/2014		5 1	8	9	0	shut in for state
10/1/2014		0	0	0	0	opened up

273 Total

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W2265 Wahrmann 14-22

North Goodland

Goodland

None

October-14

	Casing				RS	REMARKS
DATE	PSI	STATIC	MCF	D	OWN	(Maximum length 110 characters)
10/1/2014		8 2	1	0	24	opened up
10/2/2014		5 1	8	9	0	
10/3/2014		5 1	8	9	0	
10/4/2014		5 1	8	9	0	
10/5/2014		5 1	8	9	0	
10/6/2014		5 1	8	9	0	
10/7/2014		5 1	8	9	0	
10/8/2014		4 1	7	12	0	
10/9/2014		5 1	8	9	0	
10/10/2014		5 1	8	9	0	
10/11/2014		5 1	8	9	1	
10/12/2014		5 1	8	9	0	
10/13/2014		5 1	8	9	0	
10/14/2014		5 1	8	9	0	
10/15/2014		5 1	8	9	0	•
10/16/2014		5 1	8	9	1	
10/17/2014		5 1	8	9	0	
10/18/2014		5 1	8	9	0	
10/19/2014		5 1	8	9	0	
10/20/2014		5 1	8	9	0	
10/21/2014		5 1	8	9	0	
10/22/2014		5 1	8	9	0	
10/23/2014		5 1	8	9	0	
10/24/2014		5 1	8	9	0	
10/25/2014		5 1	8	9	0	
10/26/2014		5 1	8	9	0	
10/27/2014		5 1	8	9	0	
10/28/2014		5 1	8	9	0	
10/29/2014		5 1	8	9	0	
10/30/2014		5 1	8	9	0	
10/31/2014		5 1	8	9	0	

Total 273

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Wahrmann 14-22

North Goodland

Goodland

None

November-14

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
11/1/2014		5 18	9	0	
11/2/2014	:	5 18	9	0	
11/3/2014	;	5 18	9	0	
11/4/2014		5 18	9	0	
11/5/2014	;	5 18	9	0	
11/6/2014	:	5 18	9	0	
11/7/2014	:	5 18	9	0	
11/8/2014	4	4 17	10	0	
11/9/2014	4	4 17	' 10	0	
11/10/2014	4	4 17	10	0	
11/11/2014	4	4 17	10	0	
11/12/2014	4	4 17	9	0	
11/13/2014	4	4 17	' 6	0	
11/14/2014	•	4 17	' 10	0	
11/15/2014	4	17	7	0	
11/16/2014	4	4 17	' 6	0	
11/17/2014	4	1 17	7	0	
11/18/2014	4	17	' 8	0	
11/19/2014	4	17	12	0	
11/20/2014	4	4 17	11	0	
11/21/2014	4	4 17	10	0	
11/22/2014	4	4 17	10	0	
11/23/2014	4	1 17	10	0	
11/24/2014	4	4 17	10	0	
11/25/2014	•	4 17	10	1.5	bp
11/26/2014	ž	4 17	10	0	
11/27/2014	4	4 17	' 10	0	
11/28/2014	•	4 17	10	0	
11/29/2014	4	4 17	10	0	
11/30/2014	4	4 17	10	0	
12/1/2014				_ 0	

Total 279

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