KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:			(See Instruct	tions on Re	verse Side	ı)				
□ Op	en Flow											
Deliverabilty					Test Date: API No. 15 5/23/2013 023-21261-00 0							
Company Lease Rosewood Resources, Inc. Zweygardt 24								24-19	Well Number			
			Section 19				RNG (E			Acres Attributed 80		
Field Cherry (Creek								Gas Gathering Connection Branch Systems Inc.			
Completi 9/15/201				Plug Bac 1465'	k Total Dept	th		Packer :	Set at			
Casing S 4 1/2"	Bize	Weigh 10.5#		Internal Diameter Set at 6.366 1503'			Perforations 1266'		то 1296'			
Tubing S NONE	ize	Weigh	nt	Internal [Internal Diameter Set at				orations	То		
		(Describe) ntional)		Type Flui Dry Ga	d Production	n		Pump U flowin	nit or Traveling g	Plunger? Yes	(No)	
Producing		Annulus / Tubin	g)	% C	% Carbon Dioxide % Nitro				gen	Gas Gi .6	avity - G _g	
Vertical I	Depth(H)		-		Pres Flan	sure Taps ge	-			(Meter Run) (Prover) Size 2"		
Pressure	Buildup:									13 _{at} 6:25	(AM)(PM)	
Well on L	ine:	Started 5-2	32	0 13 at 6	13 at 6:25 (AM) (PM) Taken 5-24 20 13						(AM)(PM)	
					OBSERVE	D SURFACE		·		Duration of Shut	in 24 Hours	
Static / Dynamic Property	namic Size Meter Differential I		Flowing Temperature t	emperature Temperature				Tubing ead Pressure or (P ₁) or (P _c) psia	Duration (Hours)	Liquid Produced (Barrels)		
Shut-In						237	251.4	psig	polu			
Flow						60	74.4			24		
					FLOW STR	EAM ATTR	IBUTES	_				
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension ✓ P _m x h	Grav Fac	tor	Flowing Temperature Factor F _{ft}	Fa	iation ctor pv	Metered Flov R (Mcfd)	v GOR (Cubic Fe Barrel)	(Carovity	
									18			
/D.\°		. (D.)2	_	•	OW) (DELIV					(P _a) (P _d)	² = 0.207	
(P _c) ² =		. (P _w)*=	Choose formula 1 or 2	P _d =		$\overline{}$	² _c - 14.4) +			(F _d)	- <u>- </u>	
or 2. P _c ² -		 P_c² - P_a² P_c² - P_d² divided by: P_c² - P_d 	LOG of formula 1, or 2. and divide	P _c ² -P _w ²	Backpressure Curve Slope = "n"or Assigned Standard Slope		n x l OG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
			~c · w									
Open Flo	w		Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd @ 14.65 ps	ia	
	•	•				•				rt and that he ha	as knowledge of	
the facts s	tated the	rein, and that s	aid report is true	e and correc		this the <u>21</u> RECEIVED	<u> </u>	day of _	lovember //	ma-t.	, 20 <u>13</u> W	
		Witness (if any)		ANSAS CORP	ORATION CO		Cin	MUL For C	TV(UU Company	uoj	
	_	For Comm	nission		— DEC	2629	113 —		Chec	cked by		

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 Zweygardt 24-19
gas well on the grounds that said well:
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: 11/21/13
RECEIVED Signature: CAN WILL MANUAL MACKETS Signature: COMMISSION Title: Production Assistant Production Assistant ONSERVATION DIVISION WICHITA, KS

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.

W2742

Zweygardt 24-19

St. Francis

St. Francis

Flow

May-13

FloBoss

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOW	N	(Maximum length 110 characters)
5/1/2013	64			18		-
5/2/2013	69			18		
5/3/2013	66	79		18		
5/4/2013	61			18		
5/5/2013	64			18		
5/6/2013	56			18		
5/7/2013	60			18		
5/8/2013	61	74		18		
5/9/2013	68	81		18		
5/10/2013	74			18		
5/11/2013	67			18		
5/12/2013	67			18		
5/13/2013	69			18		
5/14/2013	70			18		
5/15/2013	96			18	2.5	
5/16/2013	81	94		18		
5/17/2013	68			18		
5/18/2013	60			18		
5/19/2013	69			18		
5/20/2013	65	78		18		
5/21/2013	69			18		
5/22/2013	81			18		si for state test - cp 61
5/23/2013	164			0	24	reopened - cp 237
5/24/2013	108			24	4	
5/25/2013	97			21		
5/26/2013	92			20		
5/27/2013	89			20		
5/28/2013	79			20		
5/29/2013	71			20		
5/30/2013	60			19		
5/31/2013	61	74		19		

Total 559

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CONSERVATION DIVISION WICHIGA KS

W2742

Zweygardt 24-19

St. Francis

St. Francis

Flow

June-13

FloBoss

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
6/1/2013	53				
6/2/2013	57	70	18		
6/3/2013	55	68	18		
6/4/2013	54	67	18		
6/5/2013	59	72	18		
6/6/2013	69	82	18		
6/7/2013	62	75	18		
6/8/2013	57	70	18		
6/9/2013	61	74	18		
6/10/2013	91				
6/11/2013	79		18	1	
6/12/2013	78	91	18		
6/13/2013	61	74	18	ı	
6/14/2013	58	71	18	ı	
6/15/2013	66	79	18		
6/16/2013	65	78	18		
6/17/2013	62	75	18		
6/18/2013	58	71	18		
6/19/2013	55	68	22		
6/20/2013	56	69	21		
6/21/2013	63	76	0		
6/22/2013	77	90	0		
6/23/2013	81	94	0		
6/24/2013	78	91	0		
6/25/2013	85		22		
6/26/2013	82		16		
6/27/2013	72	85	15		
6/28/2013	56	69	15		
6/29/2013	57	70	15		
6/30/2013	56	69	14		
7/1/2013					<u> </u>

Total 465

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CONSERVATION DIVISION WICHITA, KS

W2742

Zweygardt 24-19

St. Francis

St. Francis

Flow

July-13

FloBoss

	Casing					HRS	Water	REMARKS
DATE	PSI	STATIC	MCF	SPM	CYCL			
7/1/2013	58	71	15					1 (
7/2/2013	61	74	15					
7/3/2013	57	70	15					
7/4/2013	61	74	14					
7/5/2013	61	74	14					
7/6/2013	62	75	14					
7/7/2013	71	84	14					
7/8/2013	69	82	14					
7/9/2013	68	81	14					
7/10/2013	65	78	14					
7/11/2013	68	81	14					
7/12/2013	74	87	14					
7/13/2013	81	94	14			2.5		
7/14/2013	79	92	14					
7/15/2013	60	73	14					
7/16/2013	58	71	14					
7/17/2013	57	70	14	6	12	2		bringing water @ 11:00AM
7/18/2013	89	102	19	6	ϵ	5		pu off hfp
7/19/2013	78	91	24	6	C)	0	
7/20/2013	79	92	19	6	C)	0	
7/21/2013	79	92	18	6	C)	0	
7/22/2013	75	88	18	6	C)	0	
7/23/2013	77	90	17	6	12	?	23	
7/24/2013	88	101	26	6	24	ļ	46	3.75 min bt
7/25/2013	93	106	36	6	12	2	23	pu off hfp
7/26/2013	79	92	33	6	12	<u>!</u>		restarted pu
7/27/2013	96	109	44	6	24		46	
7/28/2013	110	123	56	6	24		45	
7/29/2013	122	135	65	6	24		46	
7/30/2013	138	151	72	6	12	3.5	23	pu off hfp
7/31/2013	131	144	60	6	0	5.5	0	

Total 748 275

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