KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test		act			(See Instruc	ctions on Re	verse Side	9)					
		ASI	•		Test Date) :			API N					
De	liverabilt	У			7/9/201	5			15-02	23-20564 -	-0000			
Company Rosewoo		ources					Lease Isernha	igen			1-23	Well N	umber	
County Cheyenn	ne		ocation VSW		Section 23		TWP 3S		RNG (E/M 41W	"		Acres 80	Attributed	
Field St. Franc					Reservoir Niobrara					ering Conn Systems In				
Completion Date 9/10/2004					Plug Bac 1528'	k Total Der	oth	Packer Set						
Casing Size Weight 4 1/2" 10.5#					Internal II 4.052	Diameter	Set 157		Perfora 980'	tions	 To 1010) !		
Tubing Size Weight					Internal [Diameter	Set		Perfora	tions	То			
		(Describe)			Type Flui Dry Ga	d Production	วท		Pump Unit	or Traveling	Plunger? (Yes	/ No		
Producing	Thru (Annulus / 1	lubing)			arbon Diox	kide		% Nitroger	<u> </u>		aravity -	ravity - G _g	
Annulus Vertical D							ssure Taps				.6 (Meter Run) (Prover			
1010'			7.0		45 1	Flar			10		2"			
Pressure	Pressure Buildup: Shut in 7-9 Well on Line: Started 7-10										15 at 11:35	, ((AM)(PM)	
Well on Li	ine:	Started	7-10	20 	0 <u> </u>		_ (<u>AM)</u> (PM)	Taken	· 1 1	20 	15 _{at} 1:25		(AM) (PM)	
	_					OBSERV	ED SURFAC	E DATA	_	_ <u>_</u>	Duration of Shu	<u>ıt-in _24</u>	Hours	
Static / Orifice Dynamic Size Property (inches)		Meter Prover Pressure		Pressure Differential in	Temperature Temperat		Wellhead	sing Pressure - or (P _o)	Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	,	Liquid Produced (Barrels)	
Shut-In	•••••	psig	(Pm)	Inches H ₂ 0			psig 173	187.4	psig	psia				
Flow			_			<u> </u>	51	65.4	_		24	0		
		<u> </u>				FLOW ST	REAM ATT	RIBUTES		<u> </u>	<u> </u>			
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia Press Extension ✓ P _m x ħ		Gravity Factor F _g		Flowing Temperature Factor F ₁₁	Fa	riation actor - pv	Metered Flor R (Mcfd)	w GOI (Cubic I Barre	eet/	Flowing Fluid Gravity G _m		
										19				
4= \>	•				•	• •	VERABILIT'	-			•	$a^{2} = 0.$	207	
$(P_c)^2 = $: (P _c) ² - (P _w)		oose formula 1 or 2.	LOG of		Backpre	P _c - 14.4) + essure Curve epe ≈ "n"	,	= <u></u> : ,, []			Open Flow eliverability	
or (P _e) ² - (F	- I			2. P _c ² - P _d ² ded by: P _c ² - P _d ²	formula 1, or 2. and divide by:	P _c ² - P _w ²	ΑΑ	or ssigned dard Slope	_ nxL0		Antilog		Is R x Antilog (Mcfd)	
<u>-</u>														
Open Flor	w			Mcfd @ 14.	65 psia		Delivera	bility			Mcfd @ 14.65 p	sia		
	-		-								ort and that he	has kno	wledge of	
the facts s	tated the	erein, and t	hat said	report is true						11	11.1.	<u>~</u> >	20 15 .	
			tness (if ar	ny)	k	CC N	/ICHIT	P	an	WU For	//////////////////////////////////////	We	/	
			r Commiss			APR 0	7 2016			Che	ecked by			
		,,		-		REC	EIVED				•			

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 Isernhagen 1-23 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 Commission staff as necessary to corroborate this claim for exemption from testing.
KCC WICHITSignature: <u>Janul Martiny</u> Title: <u>Production Assistant</u> APR 07 2016 RECEIVED

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.

W350 Iseribagen 01-23 1-1

St. Francis St. Francis Pumping Unit/Elec July-15

Total

	Tubing	Casing						HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM		CYCLE	DOWN	BBLS	(Maximum length 110 characters
7/1/2015		54	68	l	9	6.5	17	(18	
7/2/2015		54	67	1	9	6.5	17	0	18	
7/3/2015		54	67	1	9	6.5	17	C	18	
7/4/2015		54	67		9	6.5	17	0	18	
7/5/2015		54	67	1	0	6.5	17	0	18	
7/6/2015		52	67	1	0	6.5	17	2	. 18	
7/7/2015		52	66	1	9	6.5	17	C	18	
7/8/2015		52	66	1	9	6.5	17	16	18	turn off p u
7/9/2015		90	96		2	6.5	17	24	0	
7/10/2015		173	157		0	6.5	17	14	, 0	1
7/11/2015		98	121	2	22	6,5	17	C	0	ı
7/12/2015		77	95		8	6.5	17	C) 0	turned PU back on
7/13/2015		60	85	1	9	6.5	17	(18	;
7/14/2015		53	69]	9	6.5	17	(18	;
7/15/2015		53	66	I	9	6.5	17	() 18	
7/16/2015		53	66	1	9	6.5	17	() 18	1
7/17/2015		53	66	1	9	6.5	17	() 18	1
7/18/2015		52	65	1	9	6.5	17	() 18	:
7/19/2015		52	65	1	9	6.5	17	() 18	.
7/20/2015		52	65	1	9	6.5	17	() 18	;
7/21/2015		51	77	1	19	6.5	17	2	2 18	}
7/22/2015		51	65	1	9	6.5	17	() 18	;
7/23/2015		51	65]	9	6.5	17	() 18	1
7/24/2015		52	65]	9	6.5	17	() 18	}
7/25/2015		52	64	1	9	6.5	17	() 18	1
7/26/2015		52	64		9	6.5	17	() 18	}
7/27/2015		51	64	1	19	6.5	17	() 18	metr 0, replaced battery
7/28/2015		51	64	1	17	6.5	17	() 18	•
7/29/2015		51	63	1	19	6.5	17	() 18	3
7/30/2015		51	63	1	19	6.5	17	() 18	3
7/31/2015		51	64]	19	6.5	0	() 18	}

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W350 Isernbagen 01-23

St. Francis St. Francis

Pumping Unit/Elec

August-15

Total

	Tubing	Casing						HRS	Wa	ter	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	C.	YCLE	DOWN	BB	LS	(Maximum length 110 characters
8/1/2015		5	1 64	ļ	19	0.0			0	17	
8/2/2015		5	2 65	5	10	0 0			0	18	
8/3/2015		5	3 66	5	19	0 0			0	17	
8/4/2015		5	1 64	1	19	0 0			0	16	
8/5/2015		5	0 63	3	13	0 0			0	17	
8/6/2015		5	1 64	ļ	10	0 0			0	18	
8/7/2015		5	3 66	5	0	0 0			0	16	
8/8/2015		5	3 66	5	10	0 0			0	17	
8/9/2015		5	5 68	3	8	0 0			0	18	
8/10/2015		5	7 70)	19	0.0			0	16	
8/11/2015		5	8 7	l	16	0 0			0	17	
8/12/2015		5	8 7	l	8	0 0			0	18	
8/13/2015		5	9 72	2	0	6.5 17	7		0	16	
8/14/2015		5	8 7	l	17	7.5 18	3		0	17	
8/15/2015		5	9 72	2	0	8.5 19)		0	18	
8/16/2015		ϵ	0 7:	3	7	9.5 20)		0	16	
8/17/2015		5	8 7.	1	9	10.5 2	ļ		0	16	
8/18/2015		5	8 7	1	11	11.5 22	2		0	16	
8/19/2015		5	9 72	2	10	12.5 23	3		0	16	
8/20/2015		5	8 7	l	8	13.5 24	Į		0	16	
8/21/2015		5	8 7	l	10	14.5 2	5		0	0	meter 0, straightened solar panel
8/22/2015		4	9 7:	2	18	15.5 20	5		0	0	flowing 18, check download
8/23/2015		4	9 7:	2	18	16.5 2	7		0	0	re-set drive started p u
8/24/2015		5	9 7:	2	18	17.5 2	3		0	8	•
8/25/2015		5	9 7:	2	18	18.5 29)		0	10	
8/26/2015		5	6 6	9	9	19.5 30)		0	4	
8/27/2015		5	7 7	0	4	20.5 3	l		0	18	
8/28/2015		5	6 6	9	17	21.5 32	2		0	17	
8/29/2015		4	9 7:	2	17	22.5 33	3		0	16	
8/30/2015		(1 7-	4	18	23.5 3	1		4	18	
8/31/2015		(4 7	7	8	24.5 3:	5		0	18	

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W350

Isemhagen 01-23

St. Francis

St. Francis

Pumping Unit/Elec

September-15

	Tubing	Casing					HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF _	SPM	CYCLE	E DOWN	BBLS	(Maximum length 110 characters)
9/1/2015		72		10		5.5 17		0 18	
9/2/2015		54		·		5.5 17			meter 0, flowing 19
9/3/2015		55	68	17	7 6	5.5 17		0 18	
9/4/2015		59	72	10) 6	5.5 17		0 18	
9/5/2015		65		9	9 6	5.5 17		0 18	
9/6/2015		67				5.5 17		0 18	
9/7/2015		66				5.5 17		0 18	
9/8/2015		64		10		5.5 17		81 0	
9/9/2015		59				5.5 17		0 18	
9/10/2015		56				5.5 17		0 18	
9/11/2015		60				5.5 17		0 18	
9/12/2015		60		9		5.5 17		0 18	
9/13/2015		60	73	10) 6	6.5 17		0 18	
9/14/2015		61	74	18	3 6	5.5 17		0 18	•
9/15/2015		62	75	Ş	9 6	5.5 17		0 18	,
9/16/2015		63				5.5 17		0 18	
9/17/2015		64				5.5 17		0 18	
9/18/2015		63	76	18	3 6	5.5 17		81 0	
9/19/2015		60	73	18	3 6	5.5 17		0 18	
9/20/2015		58	71	18	8 6	5.5 17		0 18	
9/21/2015		59				5.5 17		0 18	
9/22/2015		61				5.5 17		0 18	
9/23/2015		62	75			5.5 17		0 18	
9/24/2015		62				5.5 17		0 18	
9/25/2015		62	75	18	3 6	5.5 17		0 18	
9/26/2015		62				5.5 17		0 18	
9/27/2015		62		18	3 6	5.5 17		0 18	1
9/28/2015		62		18		5.5 17		81 0	•
9/29/2015		62				5.5 17		0 18	
9/30/2015		62				5.5 17		0 18	
10/1/2015		0			0	0 0		0 18	

Total 436 558

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