KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:		Cet -			(See Instru	ctio	ons on Re	verse	e Side))							
Open Flow			Test Date:						API No. 15										
De	liverab	ilty				7/24/20)586 -	-00	g o			
Company		soui	rces						Lease Isernha	gen						1.	-22	Well Nu	mber
County Location Cheyenne SWSW			Section 22	= = = :: : : : : : : : : : : : : : : :				RNG (E/W) 41W							Acres A	attributed			
Field					Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.										
•			Plug Bac 1441'	Plug Back Total Depth					Packer Set at										
Casing Size Weight						Set a							то 1358'						
Tubing Si	ze		Weig	ht		Internal [Internal Diameter Set at			at	Perforations					To)		
Type Com Single (Type Flui	d Productions	on				Pump Un Pumpi			Plur	nger?	Yes	/ No	
			nulus / Tubii	ng)		•	% Carbon Dioxide				% Nitrogen						Gas Gravity - G		
Annulus																.6			
Vertical D 1358'	epth(H	l)				Pressure Taps Flange										,	(Meter Run) (Prover) Size 2"		
Pressure	Buildu		Snut in			13 at 11:10		_ (AM)(PM) Taken 7-		en_7-2					3 at 11:20		(AM) (PM)	
Well on Li	ine:		Started 7-2	24	20	0 <u>13</u> at 1	1:20	_ (AM)(PM)	Take	en <u>7-2</u>	25		20	13	at1:	10	(AM)(PM)
							OBSERV	ΈD	SURFAC	E DA	ATA				Dura	ation of	Shut-	in 24	Hours
Static / Dynamic Property	Dynamic Size		e Prover Pressure		Pressure Differential in	Flowing Well Head Temperature t			I Wellhead Pressu			Wellhea	Tubing ead Pressure or (P_t) or (P_c)			Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	psig (Pm		,	Inches H ₂ 0				psig 221	23	sia 5.4	psig psia								
Flow	Flow							62	76.4					24			0		
							FLOW ST	RE	AM ATTR	IBUT	ΓES								
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension P _m x h	Grav Fact F _e	tor	Flowing Temperature Factor F _{ft}			Deviation Factor F _{pv}		Metered Flow R (Mcfd)		N	GOR (Cubic Fee Barrel)		et/	Flowing Fluid Gravity G _m
													2						
/D \2 _	•		(D.)2	•		(OPEN FLO	OW) (DELI			•					•		(P _a) ²	² = 0.2	07
$(P_c)^2 = $ $(P_c)^2 - (F_c)^2 - ($	P _a) ²	_ · (P	(P _w) ²	Choo 1	ise formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ ed by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P.2 - P.2	_%	Backpre: Slop	ssure pe = " - or signe	ʻn" d	n x L	og [Antilog		Op Deli Equals	en Flow verability R x Antilog (Mcfd)
Open Flow	N				Mcfd @ 14.	65 psia			Deliverab	ility					Mcfd	@ 14.0	65 psi	a	
		_	•		ehalf of the report is true				-			make that a make that a make that a make the mak		-	rt an	d that	he ha	s know	ledge of
2 .2.5.5 00			,	• 1	-1	KANSAS CO	ORPORATIO	Ñ (COMMISSIO	ON ON		77	IN Í	ull		M	11	Tur	 Oli
			Witness	(if any)	D	EC 26	2	2013	_				For	Compar	<i>.</i> ,			0
			For Com	missio	n	CON	SERVATION WICHITA							Che	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 Isernhagen 1-22
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.
Date: _11/21/13
Signature: Jonnel Mattiley
Signature:
KANSAS CORPORATION COMMISSION Title: Production Assistant
DEC 2 6 2013
CONSERVATION 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.

W349 Isernhagen 01-22 St. Francis St. Francis

None

July-13

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
7/1/2013	52	65	3		
7/2/2013	52	65	3		
7/3/2013	54	67	3		
7/4/2013	54	67	3		
7/5/2013	54	67	3		
7/6/2013	54	67	3		
7/7/2013	55	68	3		
7/8/2013	65	78	3		
7/9/2013	65	78	3		
7/10/2013	56	69	3		
7/11/2013	59	72	3		
7/12/2013	65	78	3		
7/13/2013	73	86	3	2.5	
7/14/2013	75	88	2		
7/15/2013	55	68	3		
7/16/2013	54	67	3		
7/17/2013	53	66	3		
7/18/2013	63	76	3		
7/19/2013	69	82	2		
7/20/2013	72	85	2		
7/21/2013	74	87	2		
7/22/2013	71	84	2		
7/23/2013	66	75	3		si for state test - cp 66
7/24/2013	221	84	0	24	reopened - cp 221
7/25/2013	77	90	4		- -
7/26/2013	59	72	2		
7/27/2013	53	66	2		
7/28/2013	55	68	2		
7/29/2013	54	67	2		
7/30/2013	53	66	2	3.5	
7/31/2013	84	97	2	5.5	

Total 80

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CONSERVATION DIVISION WICHITA, KS

W349 Isernhagen 01-22 St. Francis St. Francis None August-13

	Casing		H	RS	REMARKS
DATE	PSI	STATIC MC	F DO	OWN	(Maximum length 110 characters)
8/1/2013	77	90	3		
8/2/2013	76	89	2		
8/3/2013	74	87	2		
8/4/2013	72	85	2		
8/5/2013	63	76	2		
8/6/2013	53	66	3		
8/7/2013	48	61	2		
8/8/2013	52	65	2		
8/9/2013	56	69	2		
8/10/2013	53	66	2		
8/11/2013	51	64	2		
8/12/2013	52	65	2		
8/13/2013	50	63	2		
8/14/2013	51	64	2		
8/15/2013	51	64	2	0.5	
8/16/2013	63	76	2		
8/17/2013	62	75	2		
8/18/2013	62	75	2		
8/19/2013	63	76	2	1.5	
8/20/2013	76	89	2	1	
8/21/2013	85	98	2		
8/22/2013	88	101	2	5	
8/23/2013	72	85	2		
8/24/2013	79	92	2	1	
8/25/2013	86	99	2	1	
8/26/2013	64	77	2		
8/27/2013	49	62	3		
8/28/2013	48	61	2		
8/29/2013	78	91	2	1	
8/30/2013	84	97	2		
8/31/2013	85	98	2		

Total 65

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W349 Isernhagen 01-22 St. Francis

St. Francis

None

September-13

	Casing		H	RS	REMARKS
DATE	PSI	STATIC MCF	D	OWN	(Maximum length 110 characters)
9/1/2013	105	118	2	1	
9/2/2013	91	104	2		
9/3/2013	91	104	2	22	
9/4/2013	164	177	0	10	
9/5/2013	110	123	4		
9/6/2013	86	99	3	1	
9/7/2013	78	91	2		
9/8/2013	90	103	2		
9/9/2013	99	112	2		
9/10/2013	101	114	2		
9/11/2013	126	139	2		
9/12/2013	165	178	1	18	
9/13/2013	105	118	2	4	
9/14/2013	77	90	2	2	
9/15/2013	84	97	2		
9/16/2013	61	74	2		
9/17/2013	52	65	2		
9/18/2013	51	64	2		
9/19/2013	45	58	2		
9/20/2013	45	58	2		
9/21/2013	61	74	2		
9/22/2013	69	82	2		
9/23/2013	59	72	2		
9/24/2013	52	65	2	4	
9/25/2013	84	97	2		
9/26/2013	72	85	2		
9/27/2013	49	62	3		
9/28/2013	52	65	2		
9/29/2013	53	66	2		N.
9/30/2013	57	· 70	2		
10/1/2013					

Total 61

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