KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

= :	en Flow	V			(Test Date		ctions on Re	verse Side	API	No. 15			
	liverabil	у .			6/12/20	13			023	3-20628-00 0	0	14/-U NI	-1
Company Rosewo		ources, I	nc.				Lease Isernha	gen			12-25	Well Nun	nber
County Location Cheyenne SWNW/4			Section 25	TWP 3S	, ,			Acres Attributed 80					
Field St. Franc	cis				Reservoi Niobrara			Gas Gathering Conr Branch Systems Ir					
10/22/20					Plug Bac	k Total Dep	th		Packer S	Set at	-		
Casing S 2 7/8"	Casing Size Weight 2 7/8" 6.5#			Internal Diameter 2.441		Set at 1451'		Perforations 1341'		то 1373'			
Tubing Si			Weight		Internal [Set a	at	Perforations To				
Single (Conve	(Describe) entional)			Dry Ga				Pump Ur flowing	nit or Traveling g		/(No)	
Producing Annulus		Annulus /	Tubing)		% C	Carbon Diox	ide		% Nitrog	jen	Gas G .6	ravity - G	3
Vertical D	epth(H)					Pres Flan	ssure Taps I ge				(Meter 2"	Run) (Pro	over) Size
Pressure	Buildup	Shut in	6-11	2	0_13_at_9	:20	(PM)	Taken_6-	12	20	13 _{at} 9:35		M)(PM)
Well on L		Started	6-12	20	0 <u>13</u> at <u>9</u>	:35	(PM)	Taken 6-	13	20	13 _{at} 10:20		M)(PM)
						OBSERVE	D SURFAC	E DATA			Duration of Shut	_{-in} _24	Hours
Static / Orifice Dynamic Size Property (inches)		Prover	e one: eter Pressure (Pm)	Pressure Differential in Inches H ₂ 0	Temperature Temperatu		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig psia		Duration (Hours)		Produced arrels)
Shut-In		-					164	178.4	poig	pole	_		
Flow			_				67	81.4			24	0	
					1	FLOW ST	REAM ATTR	IBUTES	1		-		
Plate Coeffiecient (F _b) (F _p) F Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	Gravity Factor F _g		Flowing Temperature Factor F ₁₁	e Deviation Factor		Metered Flov R (Mcfd)	v GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
										30			
(D.)2		- 4	D 12		•	, ,	ERABILITY	•) ² = 0.20	7
$(P_c)^2 = \underline{\qquad \qquad }$ $(P_c)^2 - (F_c)^2 - (F_c$	P _a) ²	: (P _c) ² -(P _w)²	: cose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d ² ded by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Backpre Sloj As	Sure Curve oe = "n" or signed ard Slope	ואמ	LOG	Antilog	Deliv Equals	en Flow rerability R x Antilog Vlcfd)
Open Flov	<i>N</i>			Mcfd @ 14.0	65 psia		Deliverab	ility			Mcfd @ 14.65 ps	ia	
	_		•		•		•			•	rt and that he ha	as knowle	edge of
the facts st	tated the	rein, and t	hat said	report is true	and correc KA	t. Executed NSAS CORP	IRFIEIVED 2 ORATION CO	1 MMISSION	day of N	ovember	11/10	F11 A) <u>13 </u>
		w	itness (if an	у)		DE(2 6 20	13	JW (For C	Company UL	W CL	7
		Fo	r Commissi	on			RVATION DIV VICHITA, KS	ISION		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 Isernhagen 12-25 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.
RECEIVED KANSAS CORPORATION COMMISSIGNATURE: DEC 2 6 2013 Title: Production Assistant 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.

W373 Isernhagen 12-25 St. Francis St. Francis None June-13

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOV	VN _	(Maximum length 110 characters)
6/1/2013	65	78		35		
6/2/2013	67	80		34		
6/3/2013	64	77		33		
6/4/2013	64	77		33		
6/5/2013	73	86		32		
6/6/2013	82	95		32		
6/7/2013	65	78		32		
6/8/2013	66	79		31		
6/9/2013	67	80		31 .		
6/10/2013	67	80		31	2	2
6/11/2013	86	99		30	1	si for state test - cp 134
6/12/2013	73	86		0	24	freopened - cp 164
6/13/2013	71	. 84		40		·
6/14/2013	71	84		33		
6/15/2013	72	85		32		
6/16/2013	73	86		31		
6/17/2013	69	82		31		
6/18/2013	65	78		31		
6/19/2013	59	72		31		
6/20/2013	67	80		31		
6/21/2013	68	81		30		
6/22/2013	85	98		31		
6/23/2013	88	101		30		
6/24/2013	86	99		30		calibrated meter
6/25/2013	89	102		30		
6/26/2013	87	100		30		
6/27/2013	84	97		30		
6/28/2013	78			30		
6/29/2013	65	78		30		
6/30/2013	64	77		30		
7/1/2013						

Total 915

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W373 Isernhagen 12-25 St. Francis St. Francis None July-13

	Casing		HRS	REMARKS
DATE	PSI	STATIC MCF	DOWN	(Maximum length 110 characters)
7/1/2013	65	78	30	
7/2/2013	65	78	30	
7/3/2013	67	80	30	
7/4/2013	67	80	30	
7/5/2013	67	80	30	
7/6/2013	68	81	30	
7/7/2013	78	91	30	
7/8/2013	77	90	30	
7/9/2013	77	90	30	
7/10/2013	69	82	30	
7/11/2013	70	83	30	
7/12/2013	76	89	30	
7/13/2013	89	102	25 2.	5
7/14/2013	86	99	33	
7/15/2013	68	81	30	
7/16/2013	67	80	29	
7/17/2013	63	76	29	
7/18/2013	86	99	29	
7/19/2013	80	93	29	
7/20/2013	82	95	29	
7/21/2013	84	97	29	
7/22/2013	81	94	29	
7/23/2013	73	86	29	
7/24/2013	81	94	29	
7/25/2013	86	99	29	
7/26/2013	70	83	29	
7/27/2013	66	79	29	
7/28/2013	68	81	29	
7/29/2013	66	79	29	
7/30/2013	67	80	29 3.:	
7/31/2013	92	105	13 5.:	5

Total 896

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CONSERVATION DIVISION WICHITA, KS

W373 Isernhagen 12-25 St. Francis St. Francis None August-13

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
8/1/2013	91	104	20		
8/2/2013	91	104	33		
8/3/2013	71	84	37		·
8/4/2013	83	96	41		
8/5/2013	78	91	32		
8/6/2013	66	79	31		
8/7/2013	62	75	30		
8/8/2013	65	78	29		
8/9/2013	68	81	29		
8/10/2013	66	79	29		
8/11/2013	64	77	29		
8/12/2013	64	77	29		
8/13/2013	64	77	29		
8/14/2013	65	78	29		
8/15/2013	64	77	29	0.5	
8/16/2013	75	88	29		
8/17/2013	74	87	29		
8/18/2013	74	87	29		
8/19/2013	75	88	29	1.5	
8/20/2013	89	102	26	1	
8/21/2013	91	104	23		
8/22/2013	93	106	23	5	
8/23/2013	90	103	. 21		
8/24/2013	90	103	39	1	
8/25/2013	92	105	23	1	
8/26/2013	70	83	31		
8/27/2013	64	77	34		
8/28/2013	63	76	31		
8/29/2013	89	102	30	1	
8/30/2013	92	105	28		
8/31/2013	92	105	27		

Total 908

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