Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Tes	it:				((See Instruc	tions on Re	everse "Side	e)			
O _I	pen Flo	w	図SI	•								
	eliveral				Test Date 9-12-2				API 1 5-	No. 15 <mark>023-20590<i>-</i></mark>	€ 00 00 00 00 00 00 00 00 00 00 00 00 00	
Compan		esou	rces				Lease I sern ha	agen	,			Well Number
County Location Cheyenne NWSE			Section 22		TWP 3S	, ,				Acres Attributed 80		
Field St. Francis					Reservoir N iobrara					hering Conn Systems In		
Completi 9/10/20		te			Plug Bac 1400'	k Total Dep	th		Packer 5	Set at		
Casing S 4 1/2"	Casing Size Weight				Internal I 4.052	Diameter		Set at 1411'		rations 1'	то 1297'	
Tubing S	ize		Weigh	nt	Internal I	Diameter	Set	at	Perfo	rations	То	
Type Cor Single					Type Flui Dry Ga	d Productio	n		Pump Ui Flowir	nit or Traveling	Plunger? Yes	/ No
Producin		(An	nulus / Tubin	g)	% (Carbon Dioxi	ide		% Nitrog		Gas Gr .6	avity - G _g
Vertical D		H)	•			Pres Flan	sure Taps					Run) (Prover) Size
Pressure	Buildu	ıp:	Shut in 9-1	2 2	06 at 1	····		Taken 9-	13	20		(AM) (PM)
Well on L	ine:			3 2							06 at 1:25	(AM)(PM)
	,					OBSERVE	D SURFAC	E DATA			Duration of Shut-	inHours
Static / Dynamic Property	ic Size Meter Differential Prover Pressure in		Differential	Flowing Well Head Temperature t		$(P_w) \text{ or } (P_t) \text{ or } (P_c)$ (P_w)		Wellhe	ubing ad Pressure (P _t) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-in			, , ,	2			180	194.4	psig	psia		
Flow		*					5	19.4			24	0
· ·				T		FLOW STR	EAM ATT	RIBUTES		·		
Plate Coefficient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or ver Pressure psia	Press Extension ✓ P _m xh	Gravity T Factor T		Flowing Femperature Factor F _{It}	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	i Granita i
										4		
(P _c) ² =		:	(P _w) ² =	:	•	OW) (DELIV		') CALCUL P _e - 14.4) +			(P _a) ²	? = 0.207
(P _c) ² - (F	P _a)²		_c) ² -(P _w) ²	Choose lormula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Backpre Slo 	ssure Curve pe = "n" - or signed lard Slope	nxl	[7]	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
				-,···	-			***************************************				
Open Flor			<u> </u>	Mcfd @ 14.6	55 psia		Deliverat	oility			Mcfd @ 14.65 psi	a .
		gned	authority, or			tates that h			make th		rt and that he ha	
				iid report is true		,					1/10	
HOME SALES AND ARREST ARREST ARREST AND ARREST AR		***	Witness (il	any)			-		Or	For C	ompany /	
			For Comm	ission	***************************************					Chec	ked by	RECEIVE

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exempt status un	der penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
of equipment inst	st of my knowledge and belief based upon available production summaries and lease records callation and/or upon type of completion or upon use being made of the gas well herein named. Just a one-year exemption from open flow testing for the
gas well on the g	rounds 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 e to supply to the best of my ability any and all supporting documents deemed by Commission by to corroborate this claim for exemption from testing.
Date: 11-27-200	<u>6</u>
	Signature:

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.

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Well Name:

٠,

Isernhagen 2-22

Pumper: Month 8/06

2,	· .	<u> </u>		<u> </u>	Ι	1	0014	
		Diss		Wtr		0.0	SPM	P
Day	Static	Diff	MCF	vvtr	TP	CP	Cycle	Remarks
1	44		4			31		
2	44		 	 		31		
3	44		4			31		
4	44		4	<u> </u>		21		
5	44	<u> </u>	4		,	31		
6	43	 				30		
7	44		4			31		•
8	45		4			32	·	
9	44		4			31		
10	44		4		<u> </u>	31		
11	44		4			31		
12	44		4			31 31		
13	44	 	4			1 1		
14	44		. 4			3/		
15	43		4			30		
16	43	• •	4			30		
17	45	• .	4			32		
18	45		4			32		
19	43		4			30		
20	43		Ч			30		
21	43		4			30		
22	78		4			65		
23	46		4			33		
24	45		·Y			32		
25	45		4			32		
26	46		4			33		
27	46		4					
28	46		4			33 33		
29	46		4			33		. , , , , , , , , , , , , , , , , , , ,
30	45	· .	4			32		
31	44		4			21		
		Totals			<u>.</u>			

Totals

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Well Name: <u>Tstrnhagen 2-22</u>

Pumper: Month 9/06

				•				/
		<u> </u>					SPM	
Day	Static	Diff	MCF	Wtr	TP	CP	Cycle	Remarks
1.	135		' 2			122		
2	93		4			70		
3	49		4			36		
4	46		4			33		
5	43		4			30		
6	44		4			31	·	
7	46		4			33		
8	44		4			31		•
9	94		4			31		
10	46		4			33		
11	46		4			33		
12	46		4			35		SI 1275 CP 35
13	118		0					SI 1275 CP 35 Open 5:15 CP 180
14	108		5			95		
15	58 49		4	· · · · · · · · · · · · · · · · · · ·		45		
16	49		4			36		
17	44		4			31		
18	44		4			31		
19	44		Ÿ			31	•	
20	41		4			28		
21	41		4			28		
22	52		3			39		
23	52		4			39		
24	123		3			110		
25	74		4			61		
26	52		4			39		
27	.48		4			35		
28	5.3		4			40		
29	46		4			33		
30	47		4			34		
31								
		Totals						_
		•						RECEI

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