KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:	_	-		((See Instr	uctions on Re	verse Side	e)						
Ор	en Flov	, E	ISI												
	liverabi				Test Date 8/24/20	-			No. 15 023-20587 -	20587 - 00 - 00					
Company		soui	rces				Lease Isemha	igen				2-23	Well Nu	mber	
County Cheyenn	ne		Locati NWSE	on	Section 23		TWP 3S	 	RNG (E.	W)	Acres Attributed 80			Attributed	
Fleid St. France	cis				Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.						
Completic 9/10/200)			Plug Bac 1508'	k Total De	epth		Packer S						
Casing Si 4 1/2*			Weigh 10.5#		Internal E 4.052	Diameter	Set 151		Perfo 131	rations	-	To 1352'			
Tubing Size 10.5# Weight				Internal C	 Diameter	Set	Set at 1397'		rations	To					
Type Con	npletion	(De				ld Product	tion	9 (nit or Traveling	Plung	ger? Yes	/ No		
Single (·		rulus / Tubing	<u>,, , , , , , , , , , , , , , , , , , ,</u>	Dry Ga	as Carbon Die	oxide		% Nitrog	ng Unit		Gas Gr	avity - (
Annulus	-	(,	,,,	Ja:5011 511			10 7111108	· ·		.6	Gas Gravity - G		
Vertical D	epth(H)					essure Taps		-			· ·	Run) (P	rover) Size	
1352'							ange					2"			
Pressure	Buildur		Shut In8-2	2	0 11 at 8		_ (PM)			20				(AM)(PM)	
Well on L	Well on Line: Started 8-24		2	20 11 at 8:40			(AM) (PM) Taken 8-25				9:25 at	(AM)(PM)		
						OBSER	VED SURFAC	E DATA			Durat	ion of Shut-	in 24	Hours	
Static / Orifice		:0	Circle one: Motor	Pressure Differential	Flowing	Well Hea	a	sing		Tubing ad Pressure		Duration		Liquid Produced	
Dynamic Property			Prover Pressu psig (Pm)		in Temperature		Ira I	Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		r (P,) or (P _e)	1	(Hours)		Barrels)	
Shut-In	Shut-In						58	72.4							
Flow						<u> </u>	59	73.4			24		0		
						FLOW S	TREAM ATTE	RIBUTES	· • • • • • • • • • • • • • • • • • • •	<u>-</u>				·	
Plate Coefficient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or ever Pressure psia	or Extension		Gravity Factor F		F	viation actor F	Metered Flo R (Mcfd)	w	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G	
				-						38					
	1		(T.)		•		IVERABILITY	•			I	-	² = 0.2	07	
(P _e) ² =	: :	<u>·</u>	(P _w) ² =	Choose formula 1 or 2	P _d =			P _e - 14.4) -		: _		(P _d)			
or	$(P_a)^2 - (P_a)^2$ or $(P_a)^2 - (P_d)^2$		$(P_e)^2 - (P_w)^2 = 1, P_e^2 - P_a^2 = 2, P_a^2 - P_d^2$		LOG of formula 1. or 2. and divide	formula 1. or 2. and divide p2.p2		Backpressure Curv Slope = "n" 		LOG		Antilog	Del Equals	pen Flow iverability R x Antilog (Mcfd)	
				divided by: $P_c^2 - P_w^3$	ву:	عة تسا	_ Switch	and ordhe						. ,	
Open Flor	w			Mcfd @ 14.	65 psia		Deliveral	hllitv			Mefd	② 14.65 ps	la		
		nner	Lauthority o	n behalf of the	_	etatoe the			to make +	na ahove rons		·		ledge of	
			-	ald report is true			· _	_	_	ecember	ori and			20 <u>11 .</u> .	
·									DAM	nell	(-	ew	<u>ec</u>)	
			Witness (fany)					/	For	Company	i	RE	CEIVED	
	. —	****	For Comm	ission	- · · · · · · · · · · · · · · · · · · ·					Che	cked by		APF	2 4 2012	

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 Isemhagen 2-23 gas well on the grounds that said well: (Check one) is a coalbed methane producer is cycled on plunger lift due to water
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
(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: _12/28/11
Signature: January Grand Title: Production Assistant

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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KCC WICHITA

W353 Isernhagen 02-23

St. Francis

St. Francis

None

August-11

	Tubing	Casing					HRS	Water	REMARKS
ATE	PSI	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters
8/1/2011		60	73	36	6.5	5	0	8	
8/2/2011		59	73	36	6.5	5	0	9	
8/3/2011		59	72	36	6.5	5	0	8	4.5 min bt greased
8/4/2011		59	72	36	6.5	5	0	10	
8/5/2011		58	72	36	6.5	5	0	8	
8/6/2011		59	72	36	6.5	5	0	9	
8/7/2011		59	72	36	6.5	5	0	7	
8/8/2011		58	72	36	6.5	5	0	9	4 min bt
8/9/2011		56	72	36	6.5	5	0	6	·
8/10/2011		56	69	36	6.5	5	0	10	
8/11/2011		82	79	36	6.5	5	0	8	
8/12/2011		90	92	36	6.5	2.5	0	3	pu off hfp
8/13/2011		77	94	35	6.5	0	0	0	
8/14/2011		85	95	33	6.5	0	0	0	
8/15/2011		85	99	32	6.5	0	0	0	
8/16/2011		61	85	32	6.5	2.5	0	3	restart pu
8/17/2011		158	90	29	6.5	2.5	5		pu off hfp
8/18/2011		58	100	33	6.5	2.5	4	3	restart pu
8/19/2011		65	80	32	6.5	5	1		
8/20/2011		58	75	33	6.5	5	0	9	
8/21/2011		57	71	33	6.5	5	0	10	
8/22/2011		57	70	34	6.5	5	0	8	4.25 min bt
8/23/2011		63	70	34	6.5	2.5	0	3	squeeze well, SI
8/24/2011		58	98	0	6.5	2.5	24		open well restart pu
8/25/2011		60	74	42	6.5	5	0		
8/26/2011		58	76	42	6.5	5	0	6	
8/27/2011		60	71	40	6.5	5	0		
8/28/2011		60	72	40	6.5	5	0	8	
8/29/2011		59	72	39			0		
8/30/2011		59	72	39			0	9	
8/31/2011		60	72	39	6.5		0	. 7	5 min bt
otal				1073				196	

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KCC WICHITA

W353
Isernhagen 02-23
St. Francis
St. Francis
None
September-11

	Tubing	Casing					HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
9/1/2011		60	72	39	6.5	5	0	7	-
9/2/2011		60	73	38	6.5	5	0	8	
9/3/2011		59	72	38	6.5	5	0	9	
9/4/2011		59	72	38	6.5	5	0	- 11	
9/5/2011		59	72	38	6.5	5	0	10	
9/6/2011		59	72	38	6.5	5	0	8	4.75 min bt
9/7/2011		59	71	38	6.5	5	0	9	
9/8/2011		60	73	38	6.5	5	0	8	
9/9/2011		59	72	38	6.5	5	0	7	
9/10/2011		59	72	38	6.5	5	0	8	
9/11/2011		60	72	38	6.5	5	0	8	
9/12/2011		60	73	38	6.5	5	0	8	
9/13/2011		58	72	37	6.5	5	0	9	
9/14/2011		61	71	35	6.5	5	0	8	pu off restart 4 25 min bt
9/15/2011		58	72	36	6.5	5	0	9	
9/16/2011		59	71	37	6.5	5	0	10	
9/17/2011		58	72	37	6.5	5	0	6	
9/18/2011		59	71	37	6.5	5	0	8	4.5 min bt
9/19/2011		58	71	38	6.5	5	0	7	
9/20/2011		59	72	38	6.5	5	0	9	
9/21/2011		59	71	38	6.5	5	0	10	
9/22/2011		58	71	38	6.5	5	0	6	
9/23/2011		58	71	38	6.5	5	0	8	Run at 5hr/day if it has a 4.5 bt
9/24/2011		59	71	38	6.5	5	0	9	·
9/25/2011		59	72	38	6.5	10	0	16	changed timer to 10 hours
9/26/2011		59	72	40	6.5	10	0	15	_
9/27/2011		55	71	42	6.5	10	0	18	4 min bt
9/28/2011		61	68	43	6.5	10	0	18	
9/29/2011		55	69	43	6.5	10	0	14	
9/30/2011		57	69	44	6.5	10	0	15	
10/1/2011		0	0	0	0	0	0	_ 0	
Total				1154				296	

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KCC WICHITA

W353
Isernhagen 02-23
St. Francis
St. Francis
None
October-11

	Tubing	Casing					HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters
10/1/2011		60	71	44	6.5	10	0	18	
10/2/2011		61	73	45	6.5	10	0	20	
10/3/2011		60	73	45	6.5	10	0	19	•
10/4/2011		59	73	45	6.5	10	0	16	
10/5/2011		60	72	46	6.5	10	0	18	4 min bt
10/6/2011		59	71	46	6.5	10	0	19	
10/7/2011		60	73	46	6.5	10	0	18	
10/8/2011		59	72	46	6.5	10	0	17	
10/9/2011		60	72	46	6.5	10	0	18	
10/10/2011		59	73	47	6.5	10	0	18	
10/11/2011		59	78	47	6.5	10	0	19	
10/12/2011		59	72	47	6.5	10	0	18	4 min bt greased
10/13/2011		55	69	47	6.5	10	0	19	
10/14/2011		56	71	47	6.5	10	0	20	
10/15/2011		56	70	47	6.5	10	0	16	
10/16/2011		59	71	48	6.5	10	0	18	
10/17/2011		58	71	48	6.5	10	0	19	
10/18/2011		60	70	48	6.5	10	0	20	
10/19/2011		57	74	48	6.5	10	0	16	4.5 min bt
10/20/2011		59	73	48	6.5	10	0	21	
10/21/2011		59	71	48	6.5	10	0	17	
10/22/2011		59	72	48	6.5	10	0	18	
10/23/2011		59	72	49	6.5	10	0	19	
10/24/2011		59	72	49	6.5	10	0	19	
10/25/2011		59	72	49	6.5	10	0	16	4.5 min bt
10/26/2011		58	71	49	6.5	10	0	17	
10/27/2011		58	71	49	6.5	10	0	15	
10/28/2011		58	71	49	6.5	10	0	14	
10/29/2011		59	71	49	6.5	10	0	17	
10/30/2011		58	71	49	6.5	10	0	15	
10/31/2011		58	71	49	6.5	10	0	. 17	
Cotal				1460				551	

Total 1468 551