KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test		85			(See Instruct	ions on Re	verse Side)			
_	en Flow liverabil	AST.			Test Date 10/19/14					No. 15 3-20110 - Q e	000	
Company		ources, Inc			,,,,,,,,		Lease Rueb				1-9	Well Number
County			cation		Section 9		TWP 3S		RNG (E	/W)	 -	Acres Attributed
Field St. Franc		<u></u>			Reservoir Niobrara				Gas Gat	hering Conn		
Completic 7-24-199					Plug Back 1673'	Total Dept	h		Packer S	Set at		
Casing Si 4 1/2"	ize		 eight .5#	<u>.</u>	Internal D 4.052	iameter	Set a 159		Perfo 156	rations 0'	т₀ 1590'	
Tubing Si NONE	ize	We	eight		Internal D	lameter	Set a	at	Perfo	rations	То	
		(Describe) entional)			Type Fluid Dry Ga	d Production	1			nit or Traveling ing Unit	Plunger? Yes)/ No
Producing Annulus		Annulus / Tu	bing)		% C	arbon Dioxid	de	_	% Nitrog	jen	Gas G	ravity - G _s
Vertical D 1590'	epth(H)				-	Pres: Flan	sure Taps ge				(Meter 2"	Run) (Prover) Size
Pressure	Buildup		10-18	20		25					14 at 1:40	(AM)(PM)
Well on L	.ine:	Started _	10-19	20	14 at 1:	40	(AM) (PM)	Taken 10)-20	20	14 at 2:25	(AM) (PM)
						OBSERVE	D SURFAC		1		Duration of Shut	t-in 24 Hours
Static / Dynamic Property	nic Size Prover Pressure in		Differential	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P _c) or (P _c) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In							120	134.4				
Flow							20	34.4	<u></u>		24	0
 _	,				<u> </u>	FLOW STR	EAM ATTR	IBUTES				
$ \begin{array}{c c} \text{Plate} & \textit{Circle one:} \\ \text{Coefficcient} & \textit{Meter or} \\ (F_b) (F_p) & \textit{Prover Pressure} \\ \text{Mcfd} & \text{psia} \end{array} $		re	Press Extension P _m xh	Gravity Factor F _g		Flowing Femperature Factor F _{ft}	Fa	iation ctor pv	Metered Flov R (Mcfd)	w GOR (Cubic F Barrel	eet/ Fluid Gravity	
					_					20		
/D \2		, /D	12		•	OW) (DELIV		') CALCUL ⁻ 14.4) +) ² = 0.207) ² =
(P _c) ² = (P _c) ² - (I	-	(P _c) ² - (P _w) ²		ose formula 1 or 2: 1. P _c ² - P _s ² 2. P _c ² - P _s ²	LOG of formula 1, or 2. and divide	P _c ² - P _w ²	Backpre Slo	essure Curve pe = "n" - or signed	n x	roe	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
			divid	ded by: P _c ² P _w ²	by:		Stand	dard Slope	-			(
			1_									
Open Flo	w			Mcfd @ 14.	65 psia		Deliverat	oility			Mcfd @ 14.65 p	sia
			-							he above repo December	ort and that he h	as knowledge of
the facts s	stated th	erein, and th	at said	report is true		Receive	ed			nuu	UNAI	
	<u> </u>	Wito	iess (if an	y)	_	CORPORATION	O COMMISSION	N	y e.e.		Company	usey/
		For	Commissi	on	F	EB 25	2015			Che	ecked by	

exempt statu	e under penalty of perjury under the laws of the state of Kansas that I am authorized to request us under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
	foregoing pressure information and statements contained on this application form are true and
	e best of my knowledge and belief based upon available production summaries and lease records
	it installation and/or upon type of completion or upon use being made of the gas well herein named.
	request a one-year exemption from open flow testing for the Rueb 1-9
gas well on t	the grounds that said well:
(0	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
	agree to supply to the best of my ability any and all supporting documents deemed by Commission essary to corroborate this claim for exemption from testing.
	Received KANSAS CORPORATION COMMISSION FEB 2 5 2015 CONSERVATION DIVISION WICHITA, KS 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.

W368 Rueb 1-9 West St. Francis St. Francis Pumping Unit/Elec

October-14 Chart Meter

Chart Meter								
D	Casing	~		an. 4	O- 101	HRS	Water	REMARKS
DATE	PSI	STATIC		SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
10/1/2014	65			8		0		0 pumping unit off hfp not pumping water
10/2/2014	67			8		0)	0
10/3/2014	70			8		0	1	0
10/4/2014	40			8		0)	0 started pumping unit
10/5/2014	25	38	19	8	6	0)	8
10/6/2014	25	38	22	8	6	0	1	7
10/7/2014	70	83	16	8	3	0	þ	5 shut pumping unit off hfp
10/8/2014	43	56	10	8	0	0)	0
10/9/2014	70			8	0	0	1	0 pumping unit off hfp not pumping water
10/10/2014	20			8		0)	0 started pumping unit
10/11/2014	20			8		0)	5
10/12/2014	20			8		0)	5
10/13/2014	20	33	20	8	6	0	1	5
10/14/2014	20			8	6	0	ì	5
10/15/2014	20	33	20	8	6	0)	5
10/16/2014	20	33	20	8	6	0	1	5
10/17/2014	20	33	20	8	6	0)	5
10/18/2014	21	34	20	8	3	0)	5 shut in for state test
10/19/2014	120	133	0	8	0	24		0 opened well
10/20/2014	23	36	21	8	3	0	ì	0 started pumping unit
10/21/2014	23	36	21	8	6	0)	5
10/22/2014	23	36	21	8	6	0	1	5
10/23/2014	23	36	21	8	6	0)	5
10/24/2014	23	36		8		0	1	8
10/25/2014	20	33	22	8	6	0	İ	3
10/26/2014	20	33	22	8	6	0	1	3
10/27/2014	20	33	22	8		0)	5
10/28/2014	20	33	22	8	6	0)	5
10/29/2014	20	33	22	8		0)	5
10/30/2014	20	33	22	8	6	0)	5
10/31/2014	20	33	21	8	6	0		5

Total 591 114

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W368 Rueb 1-9 West St. Francis St. Francis Pumping Unit/Elec November-14

Chart Meter

Chart Meter			_				
	Casing				HRS	Water	REMARKS
DATE	PSI	STATIC		SPM CYCLE	DOWN	BBLS	(Maximum length 110 characters)
11/1/2014	23	36	22	8 6	0) 5	5
11/2/2014	23	36	22	8 6	0) 3	3
11/3/2014	23	36	22	8 6	0		3
11/4/2014	23	36	22	8 6	3	. 3	3
11/5/2014	23	36	22	8 6	0	9 5	5
11/6/2014	23	36	22	8 6	0) 5	5
11/7/2014	23	36	22	8 6	0	1 5	5
11/8/2014	23		• • • • • • • • • • • • • • • • • • • •	8 6	0	_	
11/9/2014	23	36	22	8 6	0		5
11/10/2014	23	36		8 6	0		5
11/11/2014	23	36	22	8 3	0) 5	5 shut pumping unit off cold weather
11/12/2014	23	36	20	8 0	0	()
11/13/2014	20	33	18	8 0	0	()
11/14/2014	20	33	18	8 0	0) ()
11/15/2014	20	33	18	8 0	0	()
11/16/2014	20	33	17	8 0	0) ()
11/17/2014	20	33	17	8 0	0)
11/18/2014	20	33	14	8 0	0	() plate freeze put meth down line got movir
11/19/2014	20	33	14	8 0	0	()
11/20/2014	13	26	14	8 3	0) () started pumpin unit
11/21/2014	20	33	21	8 6	0	12	2
11/22/2014	20	33	21	8 6	0		
11/23/2014	20	33	21	8 6	0		5
11/24/2014	20	33	21	8 6	0		5
11/25/2014	20	33	20	8 6	0) {	3
11/26/2014	20	33	20	8 6	0		
11/27/2014	20	33	20	8 6	0		
11/28/2014	20	33	20	8 6	0) 5	5
11/29/2014	20	33	20	8 6	0) 5	5
11/30/2014	20	33	20	8 6	0		5
12/1/2014							

Total 596 114

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CONSERVATION DIVISION WICHITA, KS

W368 Rueb 1-9 West St. Francis St. Francis Pumping Unit/Elec December-14

Chart Meter

Chart Meter									
	Casing						HRS	Water	REMARKS
DATE	PSI	STATIC	MCF_	SPM	<u>i</u>	CYCLE	DOWN	BBLS_	(Maximum length 110 characters)
12/1/2014		33		20	8	6			
12/2/2014	20	33		20	8	6		5	
12/3/2014	20	33		20	8	6		5	
12/4/2014	20	33		20	8	6		5	
12/5/2014	22	35		21	8	6		5	
12/6/2014	22	. 35		20	8	6		5	
12/7/2014	22	. 35		20	8	6		5	
12/8/2014	20	33		20	8	6		5	
12/9/2014	20	33		20	8	6		5	
12/10/2014	20	33		19	8	6		3	
12/11/2014	20	33		19	8	6		5	
12/12/2014	20	33		19	8	6		5	
12/13/2014	20	33		19	8	6		5	
12/14/2014	20	33		19	8	6		5	
12/15/2014	20	33		19	8	3		3	
12/16/2014	20	33		19	8	0		1	
12/17/2014	20	33		18	8	0		0	
12/18/2014	20	33		18	8	0		0	
12/19/2014	20	33		20	8	3		1	replaced belts, restarted
12/20/2014	20	33		20	8	6		5	
12/21/2014	20	33		20	8	6		5	
12/22/2014	20	33		20	8	6		5	
12/23/2014	20	33		20	8	6		5	
12/24/2014	20	33		18	8	6		5	bp, methanol, plate freeze
12/25/2014	20	33		18	8	6		5	
12/26/2014	20	33		19	8	6		5	
12/27/2014	17	30		17	8	3		6	shut pumping unit off cold weather below
12/28/2014	17	30		16	8	0		0	
12/29/2014	17	30		16	8	0		0	
12/30/2014	17	30		16	8	0		0	
12/31/2014	17	30		14	8	0		0	
Total			5	84				114	

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