RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	en Flow	MSI		(-	See Instruct	ions on Re	verse Side	p)					
Test D					est Date: API No. 15 /25/2013 023-20110 ~ 0000								
Company Rosewood Resources, Inc.						Lease Rueb		Well Number					
County Location Section						TWP	W)	Acres Attributed					
Cheyenne SESE 9 Field Rese						3S		42W					
Field F St. Francis I							Gas Gathering Connection Branch Systems Inc.						
Completion Date Plug Back 7-24-1999 1673'					< Total Dept	h		Packer S	Set at				
Casing S 1/2"	ize	Weight 10.5#	Internal D 4.052	Internal Diameter Set 4.052 15			Perfo 156	rations O'	то 1590'				
Tubing Si	ze	Weight		Internal D	iameter	Set a	at	Perfo	rations	То			
Type Con	npletion (D			Type Fluid	d Production				nit or Traveling	Plunger? Yes)/ No		
Producing	Thru (An	nulus / Tubing)			arbon Dioxid	de		% Nitrog			avity - G _g		
Annulus Vertical D					Proce	sure Taps				.6 (Meter I	Run) (Prover) Size		
1590'					Flan	•	· · · - · · · · · · · · · · · · · · · ·			2"			
Pressure	Buildup:	Shut in	2	0 13 at 1:		(AM)(PM)	Taken_7-	25		13 at 1:40	(AM)(PM)		
Well on L	ine:	Started 7-25	2	0 <u>13</u> at <u>1</u> :	3 at 1:40 (AM) (PM) Taken 7-26					13 _{at} 2:25	(AM) (PM)		
					OBSERVE	D SURFAC	E DATA			Duration of Shut-	inHours		
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure		Differential Temperature Tempe		Wellhead (P _w) or (P	Pressure Wellhe		ubing ad Pressure (P _t) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)		
Shut-In		psig (Pm)	Inches H ₂ 0			psig 152	psia 166.4	psig	psia				
Flow					-,,,	23	37.4			24	0		
- '1					FLOW STR	EAM ATTR	IBUTES		'				
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Gravity Factor F _g		Flowing Deviation Factor F_{r_1}		ctor	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	l Gravity		
								-					
					. 1				25				
D \2		/D \2		•	OW) (DELIVI		•		25		² = 0.207		
P _c) ² =	:	(P _w) ² =	: hoose formula 1 or 2	P _d =		6 (F	² _c - 14.4) +	14.4 =	25	(P _a)	² =		
$(P_c)^2 = \underline{\qquad}$ $(P_c)^2 - (F_c)^2 - (F_c)^2$	P _a) ² (F	P _c) ² - (P _w) ²	 P_c²-P_a² P_c²-P_d² 	P _d = LOG of formula 1. or 2. and divide		Backpre Slop	•	14.4 =	: :				
or	P _a) ² (F	P _c) ² - (P _w) ²	1. P _c ² -P _a ²	P _d = LOG of formula 1. or 2. and divide	9	Backpre Slop	essure Curve pe = "n" - or	14.4 =	: :	(P _d)	Open Flow Deliverability Equals R x Antilog		
(P _c) ² - (F	P _a) ² (β	P _c) ² - (P _w) ²	 P_c²-P_a² P_c²-P_d² 	P _d = LOG of formula 1. or 2. and divide by:	9	Backpre Slop	ssure Curve pe = "n" - orsigned lard Slope	14.4 =	.og [(P _d)	Open Flow Deliverability Equals R x Antilog (Mcfd)		
(P _c) ² - (F or (P _c) ² - (F	Σ _a) ² (I	P _c) ² - (P _w) ² di	1. P _c ² - P _a ² 2. P _c ² - P _c ² vided by: P _c ² - P _w Mcfd @ 14.	P _d = LOG of formula 1. or 2. and divide by:	P _c ² - P _w ²	Backpre Slop 	P _c - 14.4) + ssure Curve pe = "n" signed lard Slope	14.4 =	.og	(P _d) Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
(P _c) ² - (F or (P _c) ² - (F	P _a) ² (F	P _c) ² - (P _w) ² di	1. P _c ² -P _a ² 2. P _c ² -P _d 2. P _c ² -P _d Mcfd @ 14.	P _d = LOG of formula 1. or 2. and divide by:	P _c ² -P _w ²	Backpre Slop As Stand Deliverab	P _c - 14.4) + ssure Curve pe = "n" - or signed lard Slope	14.4 =	cog :	(P _d) Antilog Mcfd @ 14.65 psi	Open Flow Deliverability Equals R x Antilog (Mcfd)		
(P _c) ² - (F or (P _c) ² - (F	P _a) ² (F	P _c) ² - (P _w) ² di	1. P _c ² - P _a ² 2. P _c ² - P _c ² wided by: P _c ² - P _w Mcfd @ 14.	P _d = LOG of formula 1. or 2. and divide by:	P _c ² -P _w ²	Backpre Slop As Stand Deliverab	P _c - 14.4) + ssure Curve pe = "n" - or signed lard Slope	14.4 =	cog :	(P _d) Antilog Mcfd @ 14.65 psi	Open Flow Deliverability Equals R x Antilog (Mcfd)		

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
and that the foreg	oing pressure information and statements contained on this application form are true and
correct to the bes	of my knowledge and belief based upon available production summaries and lease records
	llation and/or upon type of completion or upon use being made of the gas well herein named. est a one-year exemption from open flow testing for the Rueb 1-9
	ounds 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
_	to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: 12/10/13	
,	
•	
	Signature: <u>Janual Martney</u>
	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.

KCC WICHITA

DEC 26 2013

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

July-13

Chart Meter						
	Casing				HRS Water	REMARKS
DATE	PSI	STATIC	MCF	SPM CYC	CLI DOWN BBLS	(Maximum length 110 characters)
7/1/2013	25	38	25	8 8	8	
7/2/2013	25	38	25	8 8	7	
7/3/2013	25	38	25	8 8	8	
7/4/2013	25	38	25	8 8	7	
7/5/2013	25	38	25	8 8	7	
7/6/2013	25	38	25	8 8	7	
7/7/2013	· 20	33	25	8 8	9	
7/8/2013	20	33	25	8 8	7	•
7/9/2013	20	33	25	8 0	4	Water bubbling to tank, shut off unit, possible gas lock, check times
7/10/2013	23	36	21	8 0	0	
7/11/2013	23	36	21	8 4	0	restarted pumping unit checking pumping unit out
7/12/2013	23	35	22	8 6	15	slowed pumping unit down by two hrs
7/13/2013	23	36	25	8 6	6	
7/14/2013	23	36	25	8 6	10	
7/15/2013	23	36	25	8 6	10	
7/16/2013	23	36	25	8 6	. 5	
7/17/2013	23	36	25	8 6	8	
7/18/2013	23	36	25	8 6	7	
7/19/2013	23	36	24	8 6	8	
7/20/2013	23	36	24	8 6	9	
7/21/2013	20	33	24	8 6	10	
7/22/2013	22	35	24	8 6	5	
7/23/2013	22	35	24	8 8	. 5	
7/24/2013	37	36	24	8 4	5	shut in for state test 37 psi
7/25/2013	152	33	0	8 0	24 0	open well 152 psi
7/26/2013	25	38	28	8 4	2	started pumping unit
7/27/2013	20	33	27	8 8	10	
7/28/2013	23	36	27	8 8	7	
7/29/2013	23	36	27	8 8	13	
7/30/2013	23	36	25	8 8	5	
7/31/2013	23	36	25	8 8		
Total			742		209	

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Rueb 1-9

West St. Francis

St. Francis

Pumping Unit/Elec

August-13

Chart Meter

	Casing					HRS	Water	REMARKS
DATE	PSI	STATIC				YCLE DOWN	BBLS	(Maximum length 110 characters)
8/1/2013	23		27		6	1	8	
8/2/2013	22	35	36		6		9	
8/3/2013	. 22		34	8	6		7	
8/4/2013	22	35	26	8	6		7	
8/5/2013	25	38	25	8	6		5	
8/6/2013	23	36	26	8	6		6	
8/7/2013	23	36	25	. 8	6		6	
8/8/2013	23	36	25	8	6		8	
8/9/2013	22	35	25	8	6		5	
8/10/2013	23				6		7	
8/11/2013	23				6		7	
8/12/2013	23				6		5	
8/13/2013	23	36	26	8	6		8	
8/14/2013	23	36	26	8	6		5	
8/15/2013	23	36	26	8	6		8	
8/16/2013	· 23	36	25	8	6		7	treated well
8/17/2013	23	36	24	8	6		9	
8/18/2013	22	35	24	8	6		7	
8/19/2013	22	35	24	8	6		7	
8/20/2013	20	33	24	8	6		8	
8/21/2013	20	33	24	8	6		3	
8/22/2013	20	33	24		6		6	
8/23/2013	20	. 33	24	8	6		10	
8/24/2013	20	33	24	8	6		7	
8/25/2013	20	33	24	8	6		5	
8/26/2013	20	33	24	8	6		7	
8/27/2013	20	33	24	8	6		7	
8/28/2013	23	36	25	8	6		7	
8/29/2013	23	36	25	8	6		8	
8/30/2013	22	35	24	8	6	•	3	
8/31/2013	20	33	21	8	6		3	

Total 789 205

W368 Rueb 1-9

West St. Francis

St. Francis

Pumping Unit/Elec

September-13

Chart Meter

Chart Meter	-						1
	Casing				HRS	Water	
DATE	PSI	STATIC MCF			YCLE DOWN	BBLS	(Maximum length 110 characters)
9/1/2013	20			8 6		8	
9/2/2013	20			8 6		6	
9/3/2013	20	33 2	24	8 6		3	
9/4/2013	23	36 2		8 6		8	
9/5/2013	23	36 2		8 6		8	
9/6/2013	23	36 2	24 8	8 6		5	
9/7/2013	23	36 2	24 8	8 6		7	
9/8/2013	23	36 2	24 8	8 6		5	
9/9/2013	23			8 6		5	
9/10/2013	23	36 2		8 6		5	changed check valve
9/11/2013	23			8 6		8	
9/12/2013	23			8 6		5	
9/13/2013	23			8 6		8	
9/14/2013	23	36 2	24 8	8 6		3	
9/15/2013	23	36 2	24	8 6		8	
9/16/2013	23	36 2	24 8	8 6		5	
9/17/2013	23	36 2	24 8	8 6		4	
9/18/2013	22	35 2	23 8	8 6		5	
9/19/2013	23	36 2	24 8	8 6		7	
9/20/2013	23	36 2	24 8	8 6		5	
9/21/2013	20	33 2	23	8 6		7	
9/22/2013	20	33 2	23 8	8 6		5	
9/23/2013	20			8 6		3	
9/24/2013	20	33 2		8 6		7	
9/25/2013	20			8 6		5	
9/26/2013	20	33 2	23 8	8 6		8	
9/27/2013	23	36 2	:4 8	8 6		7	
9/28/2013	75	88 2	6 8	8 3		4	pu off hfp
9/29/2013	25	38 2	.2 8	3		4	restart pu
9/30/2013	21	34 2	:3 8	8 6		10	
10/1/2013							

Total 712 178