KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:		MSI		(See Instruct	tions on Rev	rerse Side	e)					
Open Flow				Test Date: 6/22/14				API No. 15 023-20611-00 00					
Company Rosewood	d Reso	urces, Inc.				Lease Grace					Well Number		
County Cheyenne		Location		Section 24	Section TWP			RNG (E	W)		Acres Attributed		
Field Cherry Cr				Reservoir				Gas Ga	thering Conn Systems In				
Completion 5/4/2005				Plug Bac 1507'	k Total Dept	th		Packer :	_ _				
Casing Size	е	Weight 10.5#		Internal E 4.052	Internal Diameter Set at 4.052 1507'			Perfo	orations 2'	To 1334'			
Tubing Size	е	Weight		Internal Diameter Set at			t	Perfo	orations	То	То		
Type Comp				Type Flui Dry Ga	d Production	n			nit or Traveling ing Unit	Plunger? Yes)/ No		
Producing Annulus	Ţħru (Aı	nulus / Tubing)	% C	arbon Dioxi	de		% Nitrog	jen	Gas Gr	avity - G _g		
Vertical De	pth(H)				Pres	sure Taps ge				(Meter I 2"	Run) (Prover) Size		
Pressure B	Buildup:				:35	(AM)(PM)	Taken 6	-21	20	14 _{at} 9:50	(PM)		
Well on Lin	ne:	Started 6-22	2	0 <u>14</u> at <u>9</u>	:50	(PM)	Taken_6-	23	20	14 at 10:35	(PM)		
,					OBSERVE	D SURFACE	DATA			Duration of Shut-	in 360 Hours		
Static / Dynamic Property	Dynamic Size Prover Pressure in		Differential	Flowing Well Head Temperature t		Casing Wellhead Pressure (P_w) or (P_1) or (P_c) psig psia		Tubing Wellhead Pressure (P_w) or (P_1) or (P_c) psig psia		Duration (Hours)	Liquid Produced (Barrels)		
Shut-In						132	146.4						
Flow						54	68.4			360	0		
		-			FLOW STR	EAM ATTRI	BUTES		, 				
Plate Coefficient (F _b)(F _p) Mctd Circle one: Meter or Press Extension Prover Pressure psla		Fact	Gravity Te		Flowing Devia supportature Factor F _{ft}		Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G_m				
			_	_		_			34				
(D \2 ~		/P \2 -		•		ERABILITY) % (P	CALCUL 14.4) +			(P _a)	² = 0.207		
$\frac{(P_c)^2 \approx \underline{\qquad}}{(P_c)^2 - (P_a)^2}$)2	$\frac{(P_w)^2 = (P_w)^2}{(P_c)^2 - (P_w)^2}$	Choose formula 1 or 2	P _d =: COG of formula	<u></u>	Backpres	sure Curve) n x	LOG	Antilog	Open Flow Deliverability		
(P _c) ² - (P _d	,)2		2. P _c ² -P _d ² livided by: P _c ² -P _w	1, or 2. and divide by:	P _c ² - P _w ²	Ass	or signed ard Slope	_			Equals R x Antilog (Mcfd)		
										<u>-</u>			
Open Flow	'		Mcfd @ 14.	65 psia		Deliverab	lity	1		Mcfd @ 14.65 psi	a		
The un	ndersigne	ed authority, on	behalf of the	Company, s	states that h	e is duly au				ort and that he ha			
the facts sta	ited there	ein, and that sa	id report is tru	e and correc			<u>-</u>	_	December	41-	, 20 14		
		Witness (if	any)	KANS	Recei AS CORPORAT	ION COMMISS	ew _	<u> 10er</u>	MUUL For	MOTAL Company	ney		
		For Commi			FEB 2	5 2015 _			Che	cked by			

CONSERVATION DIVISION WICHITA, KS

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 Grace 1-24 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. Date: 12/12/14
Received KANSAS CORPORATION COMMISSION Signature: FEB 2 5 2015 CONSERVATION DIVISION WICHITA, KS 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.

W348 Grace 1-24 St. Francis St. Francis None June-134

FloBoss					
	Casing			HRS	REMARKS
DATE	PSI	STATIC M	CF	DOWN	(Maximum length 110 characters)
6/1/20134	56	69	35	0	
6/2/2013	60	73	33	0	
6/3/201B	76	89	33	0	turn on pumping unit
6/4/2013	67	80	31	0	
6/5/2018	51	64	36	0	
6/6/2013	52	65	34	0	turn off pumping unit
6/7/2013	115	128	19	9	
6/8/2013	118	131	0	24	
6/9/2013	121	134	0	24	
6/10/201 3	123	136	0	24	
6/11/201 ß	124	137	0	24	
6/12/201 \	125	138	0	24	
6/13/201	126	139	0	24	
6/14/2013	127	140	0	24	
6/15/2013	128	141	0	24	
6/16/2013	129	142	0	24	
6/17/2013	130	143	0	24	
6/18/2013	131	144	0	24	
6/19/2013	131	144	0	24	
6/20/2013	131	144	0	24	
6/21/2013	132	145	0	24	
6/22/2013	132		0	24	
6/23/2013	118		8	5	
6/24/2013	109	122	28	0	
6/25/2013	103	116	36	0	
6/26/2013	91	104	42	0	
6/27/2013	86		42	0	
6/28/2013	65		39	0	
6/29/2013	54		36	0	started pumping unit
6/30/201	56	69	36	0	
7/1/2013				0	

Total 488

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W348 Grace 1-24 St. Francis St. Francis None July-14

FloBoss	_					
	Casing			HRS	Water	REMARKS
DATE	PSI	STATIC	MCF	DOWN	BBLS	(Maximum length 110 characters)
7/1/2014	56	69	36	0	1	·
7/2/2014	55	68	36	0	2	5 min bt
7/3/2014	56	69	35	0	3	
7/4/2014	56	69	35	0	3	
7/5/2014	57	70	35	0	2	
7/6/2014	57	70	35	0	1	
7/7/2014	67	80	34	0	2	
7/8/2014	57	70	35	0	3	
7/9/2014	59		35		3	
7/10/2014	59	72	35		2	
7/11/2014	62	75	35		1	
7/12/2014	62	75	35	0	3	
7/13/2014	62	75	34	0	2	
7/14/2014	87	100	33	0	1	
7/15/2014	53	66	35	0	1	
7/16/2014	56	69	35	0	3	
7/17/2014	56	69	34		2	
7/18/2014	57		34	0	3	
7/19/2014	53	66	34	0	1	
7/20/2014	55	67	34	0	2	
7/21/2014	109	122	34	0	3	
7/22/2014	113	129	0	22	2	
7/23/2014	80	93	18	7	1	
7/24/2014	50	63	37	3	0	
7/25/2014	53	66	29	4	0	
7/26/2014	52	65	34	0	0	started pumping unit
7/27/2014	54	67	34	0	3	
7/28/2014	54	67	34	0	2	
7/29/2014	53	66	34	0	1	
7/30/2014	55	68	33	0	3	
7/31/2014	55	68	32	0	2	

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W348 Grace 1-24 St. Francis St. Francis None August-14 FloBoss

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<u>FloBoss</u>				_					
	Casing					HRS		Water	REMARKS
DATE	PSI	STATIC	MCF	SPM	CYCLE	DOWN		BBLS	(Maximum length 110 characters)
8/1/2014	55	68	33	3	6 2	?	0	3	
8/2/2014	54	67	33	3	6 2	2	0	3	
8/3/2014	54	67	33	3	6 2	2	0	3	
8/4/2014	54	67	33	3	6 2	2	0	3	
8/5/2014	55	68	33	3	6 2	2	0	3	
8/6/2014	56	69	33	3	6 2	2	0	3	
8/7/2014	56	69	33	3	6 2	!	0	3	
8/8/2014	57	70	33	3	6 2	2	0	3	
8/9/2014	58	71	33	3	6 2	2	0	3	
8/10/2014	59	72	33	3	6 2	2	0	3	
8/11/2014	66	79	33	3	6 2	2	0	3	5 min BT
8/12/2014	54	67	33	3	6 2	2	0	3	
8/13/2014	55	68	33	3	6 2	2	0	3	
8/14/2014	54	67	33	3	6 2	2	0	3	
8/15/2014	60	73	27	7	6 2	2	3	3	
8/16/2014	59	72	3.5	5	6 2	2	0	3	
8/17/2014	60	73	33	3	6 2	2	0	3	
8/18/2014	59	72	. 33	3	6 2	2	0	3	
8/19/2014	66	79	29)	6 2	<u>!</u>	2	3	
8/20/2014	57	70	32	2	6 2	2	0	3	
8/21/2014	56	69	33	3	6 2	2	0	3	
8/22/2014	59	72	. 33	3	6 2	2	0	3	
8/23/2014	53	66	33	3	6 2	2	0	3	
8/24/2014	54	67	33	3	6 2	2	0	3	
8/25/2014	79	92	. 32	2	6 2	2	0	3	
8/26/2014	56	69	33	3	6 2	2	0	3	
8/27/2014	67	80	33	3	6 2	2	0	3	
8/28/2014	89	102	. 33	3	6 2	2	0	1.5	
8/29/2014	52	2 65	25	5	6 2	2	5	1.5	
8/30/2014	52	65	34	1	6 2	2	0	3	
8/31/2014	67	80	34	ļ	6 2	2	0	3	

Total 1007 90

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