## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:	<b>-1</b> /-00		(	See Instruc	tions on Re	verse Side	<del>)</del> )				
		ASD		Test Date	3:			API	No. 15			
De	eliverabilt	y 		6/22/14		<u> </u>			-20661-00	0		
Company Rosewo		ources, Inc.				Lease Ella Mad	e			22-3	Well Nu	mber
County Location Cheyenne SENW			Section 3S					W)		Acres A 80	ttributed	
Field				Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.				
Completic 4/2/2006				Plug Bac 1765'	k Total Dep	th		Packer S	Set at		-	
Casing S 4 1/2"	Size	Weig		Internal I	Diameter		Set at 1766.09'		Perforations 1602'		то 1628'	
	Tubing Size Weight				Internal Diameter Set at				rations	То		
Type Con		(Describe) ntional)		Type Flui Dry Ga	d Productio	n	<u> </u>	Pump Ur	nit or Traveling	Plunger? Yes	No	
	`	Annulus / Tubi	ina)		arbon Diox	ide		% Nitrog		Gas G	ravity - G	
Annulus								_		.6	•	y .
Vertical D	Depth(H)				Pres	sure Taps		-		·	Run) (Pt	rover) Size
1402'					Flan				<del></del>	2"		
Pressure	Buildup:									14 at 11:40	<u> </u>	AM) (PM)
Well on L	ine:	Started 6-	222	0 <u>14</u> at <u>1</u>	1:40	(AM)(PM)	Taken_6-	-23	20	14 <sub>at</sub> 1:30	(	AM) PM
					OBSERVE	ED SURFACI	E DATA			Duration of Shu	t-in_360	) Hour
Statis /   Orition		Differential	Flowing Well Head Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>6</sub> )		Duration (Hours)		Liquid Produced (Barrels)	
Property	(inches	psig (Pn	1	t	t	psig	psla	psig	psia	, ,		
Shut-In						189	203.4	_				
Flow				<u> </u>		48	62.4		<u> </u>	360	<u> </u>	
				.1	FLOW ST	REAM ATTR	IBUTES	_		<del></del>	_	<del></del>
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter or  Prover Pressure  psia  Press Extension  ✓ P <sub>m</sub> ×h		Grav Fac	tor	Flowing Temperature Factor F <sub>11</sub>	Fa	viation actor F <sub>pv</sub>	Metered Flor R (Mcfd)	w GOF (Cubic F Barre	eet/	Flowing Fluid Gravity G <sub>m</sub>
						_	_	_	0		_	
	•			•	, ,	/ERABILITY	•				) <sup>2</sup> = 0.2	07
(P <sub>c</sub> )² =		: (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2	P <sub>d</sub> =			- 14.4) +	T'	<del></del> :_	(P,	<sub>3</sub> ) <sup>2</sup> =	<del>_</del> _
(P <sub>c</sub> ) <sup>2</sup> - (l or (P <sub>c</sub> ) <sup>2</sup> - (l		(P <sub>e</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> · P <sub>w</sub> <sup>2</sup>	Slop	ssure Curve pe = "n" - or signed	l n x	LOG	Antilog	Del Equals	en Flow iverability R x Antilog
	-		divided by: P <sub>c</sub> <sup>2</sup> ~ P <sub>w</sub>			Stand	ard Slope	_		_		(Mcfd) 
											-1-	
Open Flo			Mcfd @ 14	<u> </u>		Deliverab				Mcfd @ 14.65 p		
	_	_	on behalf of the said report is tru						ne above repo lecember	ort and that he h	ias know	1eage of 20 <u>14</u>
14010 0		, mat	-22			Received ORPORATION C				Most	ille	4
		Witnes	s (if any)			EB 25 2	2015		For	Company	/	
	_	For Co	mmission	<u> </u>	CONS	ERVATION DI WICHITA, KS			Che	ecked by		

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 Ella Mae 22-3  gas well on the grounds 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
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: 12/10/14  Received
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.

W433 Ella Mae 22-3 West St. Francis St. Francis None June-14

	Casing			HRS	REMARKS
DATE	PSI	STATIC M	CF 1	DOWN	(Maximum length 110 characters
6/1/2014	51	65 -	0	0	
6/2/2014	66	80	0	0	
6/3/2014	56	70	0	0	
6/4/2014	44	57	0	0	
6/5/2014	44	57	0	0	
6/6/2014	47	60	0	0	
6/7/2014	165	178	0	9	
6/8/2014	173	186	0	24	
6/9/2014	176	189	0	24	
6/10/2014	176	189	0	24	
6/11/2014	177	190	0	24	
6/12/2014	179	192	0	24	
6/13/2014	180	194	0	24	
6/14/2014	187	200	0	24	
6/15/2014	187	200	0	24	
6/16/2014	189	202	0	24	
6/17/2014	189	202	0	24	
6/18/2014	189	203	0	24	
6/19/2014	189	203	0	24	
6/20/2014	189	202	0	24	
6/21/2014	189	202	0	24	
6/22/2014	189	202	0	24	
6/23/2014	115	128	2	5	
6/24/2014	108	121	2	0	
6/25/2014	95	108	0	0	
6/26/2014	88	101	0	0	
6/27/2014	79	92	0	0	
6/28/2014	48	62	0	0	
6/29/2014	47	61	0	0	
6/30/2014	46	60	0	0	
7/1/2014				0	

Total 4

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W433 Ella Mae 22-3 West St. Francis St. Francis None July-14

	Casing		H	RS	REMARKS
DATE	PSI	STATIC MCF	DO	NWC	(Maximum length 110 characters)
7/1/2014	48	62	0	0	
7/2/2014	47	61	0	0	
7/3/2014	47	61	0	0	
7/4/2014	47	61	0	0	
7/5/2014	47	61	0	0	
7/6/2014	47	61	0	0	
7/7/2014	65	78	0	0	
7/8/2014	53	66	0	0	
7/9/2014	53	66	0	0	
7/10/2014	53	66	0	0	
7/11/2014	54	67	0	0	
7/12/2014	56	69	0	0	
7/13/2014	58		0	0	
7/14/2014	82	95	0	0	
7/15/2014	48	61	0	0	
7/16/2014	48	61	0	0	
7/17/2014	48	61	0	0	
7/18/2014	48	61	0	0	
7/19/2014	45	58	0	0	
7/20/2014	45	58	0	0	
7/21/2014	116	129	0	0	
7/22/2014	163	177	0	22	
7/23/2014	77	90	0	7	
7/24/2014	54	68	0	3	
7/25/2014	43	57	0	4	
7/26/2014	44	58	0	0	
7/27/2014	45		0	0	
7/28/2014	34		0	0	
7/29/2014	33	47	0	0	
7/30/2014	32	46	0	0	
7/31/2014	32	46	0	0	

Total 0

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W433 Ella Mae 22-3 West St. Francis St. Francis None August-14

	Casing				HRS	REMARKS
DATE	PSI	STATIC	MCF		DOWN	(Maximum length 110 characters)
8/1/2014	32	45		0	0	
8/2/2014	32	45		0	0	
8/3/2014	31	44		0	0	
8/4/2014	47	61		0	0	
8/5/2014	48	61		0	0	
8/6/2014	49	62		0	0	
8/7/2014	50	63		0	0	
8/8/2014	50	63		0	0	
8/9/2014	52	66		0	0	
8/10/2014	48	62		0	0	
8/11/2014	43	56		0	0	
8/12/2014	31	45		0	0	
8/13/2014	31	45		0	0	
8/14/2014	32	46		0	0	
8/15/2014	46	59		0	3	
8/16/2014	29	42		0	0	
8/17/2014	29	42		0	0	
8/18/2014	30	43		0	0	
8/19/2014	45	58		0	2	
8/20/2014	39	53		0	0	
8/21/2014	30	43		0	0	
8/22/2014	58	72		0	0	
8/23/2014	44	58		0	0	
8/24/2014	47	61		0	0	
8/25/2014	64	77		0	0	
8/26/2014	49	63		0	0	
8/27/2014	52	66		0	0	
8/28/2014	52	66		0	0	
8/29/2014	44	57		0	5	
8/30/2014	44			0	0	
8/31/2014	59	73		0	0	

Total 0

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