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

Type Test	t:	-01 m T			C	See Instru	uctio	ons on Re	verse	Side	)					
Op	en Flow	<b>ASI</b>			Test Date						A DL A	lo. 15				
De	liverabilt	у			6/2/2015							20489-01 <b>(</b>	00			
Company		ources, Inc.		_		-		Lease Bowma	n					14-08	Well Nu	ımber
County Location S				Section TWP 8 7S				RNG (E/V			Acres Attributed 80					
Field Goodlan	nd				Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.							
Completic 2/19/200					Plug Back 3158'	k Total De	epth	ı			Packer Se	t at				
5			Internal D 4,000	Diameter		Set a 312		Perforations 3130'				To 3145'				
Tubing Si	ize	Wei	ght	4.	Internal Diameter Set at					Perfora		То				
Type Con Single (		(Describe) nal)			Type Fluid Dry Ga		tion				Pump Unit	or Travelin	g Plur	nger? Yes	No	
Producing	-	Annulus / Tubi	ng)		% C	arbon Dio	bixc	e	-		% Nitroge	n		Gas Gr	avity -	G <sub>9</sub>
Vertical E						Pre Fla		ure Taps						(Meter	Run) (P	rover) Size
Pressure	Buildup:	Shut in 6-	1	20_	15 <sub>at</sub> 5:			(AM)(PM)	Take	n_6-2	2	20	15	at 5:30		(AM) (PM)
Well on L	ine:	Started 6-	2	20 _	15 at 5:	:30	_ (	(AM)(PM)	Take	<sub>n</sub> _6-3	3	20	15	at 6:10		(AM) (PM)
						OBSERV	VED	SURFAC	E DAT	TA			Dura	ation of Shut-	in 24	Hours
Static / Dynamic Property	Orifice Size (inches	Prover Pres	Differe	ntial Te	Flowing Well H Temperature t		Wellhead Pressure		ره (	Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)		Liquid Produced (Barrels)		
Shut-in			, , , , , , ,	2			$\perp$	36	50.		psig	psia				
Flow								8	22.4	4		<u></u>	24		0_	
						FLOW ST	TRE	AM ATTR	IBUT	ES_						
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ient p)	Circle one: Meter or Prover Pressure psia	Pres Extens	ion	Grav Fact F <sub>g</sub>	tor		Flowing mperature Factor F <sub>ft</sub>		Devia Fac F	otor	Metered Flo R (Mcfd)	w	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>
				_							;	36				
(P <sub>c</sub> ) <sup>2</sup> =		: (P <sub>w</sub> )²	_	. (	OPEN FLO		.IVE %		-		ATIONS 14.4 =	•			<sup>2</sup> = 0.2	207
(P <sub>c</sub> ) <sup>2</sup> - (I	P <sub>a</sub> ) <sup>2</sup>	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula  1. P <sub>c</sub> <sup>2</sup> -  2. P <sub>c</sub> <sup>2</sup> -  divided by: P <sub>c</sub>	a ⊃ 5 ⊃ 5	LOG of formula 1. or 2. and divide by:	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>		Backpre Slop 		Curve 1"	n x LC	og [		Antilog	O Del Equals	oen Flow iverability s R x Antilog (Mcfd)
Open Flo	_			14.65				Deliverab						@ 14.65 ps		
	_	ned authority, rein, and that						2	2		make the day of De	cember	ort an	d that he ha	1	20 15
		Witness	(if any)			APR	}	7 2018	)		unn	For	Compar		uj	
		For Cor	nmission			R	E	CEIVE	D	·		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 Bowman 14-08H
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.
40/00/45
Date: _12/22/15
Signature: Cumul Martine Title: Production Assistant  APR 07 2016  PECEIVED
Title: Production Assistant
APR 07 ZUID
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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.

W2393 Bowman 14-08H North Goodland Goodland None June-15

	Casing			HF	RS	REMARKS
DATE	PSI	STATIC	MCF	DO	OWN	(Maximum length 110 characters)
Open Gauge						
6/1/2015	3	6 4	9	0	24	
6/2/2015	3	6 4	9	0	24	
6/3/2015	1	8 3	1	48	0	
6/4/2015	1	5 2	8	48	0	
6/5/2015	1	4 2	7	48	0	
6/6/2015	1	4 2	6	48	0	
6/7/2015	1	3 2	6	48	0	
6/8/2015	1	3 2	5	48	0	
6/9/2015	1	2 2	5	48	0	
6/10/2015	1	1 2	4	48	0	
6/11/2015	1	1 2	4	48	0	
6/12/2015	1	1 2	4	47	0	
6/13/2015	1	1 2	4	45	4	
6/14/2015	1	1 2	3	47	0	
6/15/2015	1	1 2	6	48	0	
6/16/2015	1	0 2	6	48	0	
6/17/2015	1	0 2	5	48	0	
6/18/2015	1	0 2	5	48	0	meter blank, flowing 47
6/19/2015	1	0 2	4	48	0	
6/20/2015	1	0 2	2	43	1	
6/21/2015	1	0 2	2	44	0	
6/22/2015		9 2	2	43	0	
6/23/2015		9 2	2	43	0	replaced battery
6/24/2015		9 2	2	32	0	
6/25/2015		9 2	3	41	2	
6/26/2015		9 2	2	43	0	
6/27/2015		9 2	2	44	0	
6/28/2015		9 2	2	43	0	
6/29/2015		9 2	2	43	0	
6/30/2015		9 2	2	43	0	
7/1/2015			0	0	0	

Total 1273

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W2393 Bowman 14-08H North Goodland Goodland None July-14

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
Open Gauge			_			
7/1/2014	Ģ	22	2	42	0	
7/2/2014	Ģ	22	2	41	0	
7/3/2014	Ģ	22	2	41	0	
7/4/2014	Ç	22	2	41	0	
7/5/2014	Ģ	22	2	41	0	
7/6/2014	ģ	22	2	40	0	
7/7/2014	Ģ	2	2	41	0	
7/8/2014	Ģ	22	2	41	0	
7/9/2014	Ģ	22	2	41	0	
7/10/2014	8	3 2	1	41	0	
7/11/2014	9	2:	2	40	0	
7/12/2014	9	2:	2	40	0	
7/13/2014	ģ	2:	2	39	0	
7/14/2014	9	9 2:	2	39	0	
7/15/2014	1	1 2	4	34	6	
7/16/2014	9	9 2:	2	38	0	
7/17/2014	10	) 2:	3	37	0	
7/18/2014	10	2.	3	36	0	
7/19/2014	10	2	3	36	0	
7/20/2014	10	) 2.	3	36	0	
7/21/2014	10	2	3	35	1	•
7/22/2014	10	2	3	36	0	
7/23/2014	1	1 2	4	33	3	
7/24/2014	10	2	3	36	0	
7/25/2014	•	9 2	2	36	0	
7/26/2014	9	9 2	2	36	0	
7/27/2014	9	9 2	2	36	0	
7/28/2014	12	2 2	5	28	9	
7/29/2014		9 2	2	35	0	
7/30/2014		9 2	2	35	0	
7/31/2014	9	9 2	2	35	1	

Total

1166

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W2393 Bowman 14-08H North Goodland Goodland None August-14

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
Open Gauge						
8/1/2014		9 2	22	36	2	•
8/2/2014		9 2	22	36	0	
8/3/2014		9 2	22	36	0	
8/4/2014		9 2	22	36	0	
8/5/2014		9 2	22	36	0	
8/6/2014		9 2	22	36	0	
8/7/2014		9 2	22	36	0	
8/8/2014		9 2	22	36	0	
8/9/2014		9 2	22	36	0	
8/10/2014		9 2	22	36	0	
8/11/2014		8 2	21	36	0	
8/12/2014		8 2	21	36	0	
8/13/2014		8 2	21	36	0	
8/14/2014		8 2	21	36	0	
8/15/2014		8 2	21	36	0	8
8/16/2014		8 2	21	36	0	
8/17/2014		8 2	21	36	0	
8/18/2014		8 2	21	36	0	
8/19/2014		8 2	21	36	0	
8/20/2014		8 2	21	36	0	
8/21/2014		8 2	21	36	0	
8/22/2014		8 2	21	36	0	
8/23/2014		8 2	21	36	0	
8/24/2014		8 2	21	36	0	
8/25/2014			21	36	0	
8/26/2014			21	36	0	
8/27/2014			21	36	0	
8/28/2014			21	35	0	
8/29/2014			21	34	0	
8/30/2014		8	21	35	0	•
8/31/2014		8 2	21	34	0	

Total 1110

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