## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:		- aT		•	(See Instruc	ctions on Re	verse Side	<del>)</del> )				
Op	en Flo	w	ASI		Total Date				45	! NI= 45			
De	liverat	oilty			Test Date 10/8/14					l No. 15 1-20334-00 <b>0</b>	nð		
Company		esou	rces				Lease Bowma	n			1-8	Well No	ımber
County Sherman	n		Locati SENE	on	Section 8		TWP 7S		RNG (E	/W)		Acres /	Attributed
Field Goodlan	ıd				Reservoi Niobrar					thering Conn Systems In			
Completion 10-24-20		te			Plug Bac 1209'	k Total Dep	oth		Packer	Set at			
Casing Si 4 1/2"	ize		Weigh 10.5#		Internal I 4.052	Diameter	Set a 121		Perfo 102	orations 4'	т <sub>о</sub> 1054'		
Tubing Si none	_		Weigh	t	Internal [	Diameter	Set a	it	Perfo	orations	То		
Type Con Single (					Type Flui Dry Ga	d Productions	n	•	Pump U Flowin	nit or Traveling	Plunger? Yes	/ (No.)	
Producing Annulus	-	(Ani	nulus / Tubing	1)	% C	Carbon Diox	ide		% Nitrog	gen	Gas Gr .6	avity - (	Э <sub>0</sub>
Vertical D 1054'	epth(i					Pres Flan	ssure Taps ige				(Meter 2"	Run) (P	rover) Size
Pressure	Buildu	p:	Shut in 10-	72			. (AM) (PM)				14 at 4:20		AM (PM)
Well on L	ine:		Started 10-	32	0 <u>14</u> at <u>4</u>	:20	. (AM)(PM)	Taken 10	)-9	20	14 at 5:10		(AM)(PM)
			Circle one:			OBSERVE	D SURFACI				Duration of Shut-	<sub>in</sub> _24	Hours
Static / Dynamic Property	Orif Siz (inch	te	Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	Vellhead (P <sub>w</sub> ) or (P	Pressure	Wellhe	Tubing ead Pressure or (P <sub>1</sub> ) or (P <sub>c</sub> )	Duration (Hours)		d Produced Barrels)
Shut-In							7	21.4	porg	pola			
Flow							4	18.4			24	0	
ſ <del></del>	"1				<del></del>	FLOW STE	REAM ATTR	BUTES_			<del></del>		1
Plate Coeffiect (F <sub>b</sub> ) (F Mcfd	ient ,)	Pro	Circle one: Meter or over Pressure psia	Press Extension P <sub>m</sub> xh	Grav Fac F <sub>e</sub>	tor	Flowing Temperature Factor F <sub>11</sub>	Fa	iation ctor <sub>pv</sub>	Metered Flow R (Mcfd)	W GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>
						İ				7			
<b></b>					•		/ERABILITY)				. 0.	² = 0.2	07
(P <sub>c</sub> ) <sup>2</sup> =		_:_	(P <sub>w</sub> ) <sup>2</sup> =	Choose formula 1 or 2	$P_d =$			<u>.</u> - 14.4) +		:	(P <sub>d</sub> )	<u>'=</u> —	
(P <sub>c</sub> ) <sup>2</sup> - (F or (P <sub>c</sub> ) <sup>2</sup> - (F		(F	P <sub>c</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 e = "n" or signed	пх	LOG	Antilog	Del Equals	pen Flow iverability R x Antilog
_	-	<u> </u>		divided by: $P_c^2 - P_w$			Standa	ard Stope			_	-	(Mcfd)
Open Flov	w			Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd @ 14.65 ps	ia	
		-			, .		•				ort and that he ha	as know	ledge of
the facts s	tated t	herei	in, and that sa	id report is true					day of L	December	Moiti	<del></del> ,;	20 <u>.14</u>
			Witness (i	any)		•	NICHII		<u>CU</u>	For	Ompany COMP	wj	
			For Comm	ission		-reb i	23 2015			Che	cked by		

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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 1-8 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.
KCC WICHITA 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.

W393 Bowman 1-8 North Goodland Goodland None October-14

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOW	'N	(Maximum length 110 characters)
10/1/2014		4	17	9	0	
10/2/2014		4	17	7	0	
10/3/2014		4	17	7	0	
10/4/2014		4	17	7	0	
10/5/2014		4	17	7	0	
10/6/2014		4	17	7	0	
10/7/2014		5	18	7	0	shut in for state
10/8/2014		7	20	0	24	opened up
10/9/2014		4	17	7	0	
10/10/2014		4	17	7	0	
10/11/2014		4	17	7	1	
10/12/2014		4	17	7	0	
10/13/2014		4	17	7	0	
10/14/2014		5	18	8	0	
10/15/2014		5	18	8	0	
10/16/2014		5	18	8	1	
10/17/2014		5	18	8	0	
10/18/2014		5	18	8	0	
10/19/2014		5	18	8	0	
10/20/2014		5	18	8	0	
10/21/2014		5	18	7	0	
10/22/2014		5	18	7	0	
10/23/2014		5	18	7	0	
10/24/2014		5	18	7	0	
10/25/2014		5	18	7	0	
10/26/2014		5	18	7	0	
10/27/2014		5	18	7	0	
10/28/2014		5	18	7	0	
10/29/2014		5	18	7	0	
10/30/2014		5	18	7	0	
10/31/2014		5	18	7	0	

Total 219

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W393
Bowman 1-8
North Goodland
Goodland
None
November-14

	Casing		<del>-</del>	HRS		REMARKS
DATE	PSI	STA	TIC MCF	DOW	N	(Maximum length 110 characters)
11/1/201	4	4	17	7	0	
11/2/201	4	4	17	7	0	
11/3/201	4	4	17	7	0	
11/4/201	4	4	17	7	0	
11/5/201	4	4	17	7	0	
11/6/201	4	4	17	7	0	
11/7/201	4	4	17	7	0	
11/8/201	4	4	17	7	0	
11/9/201	4	4	17	7	0	
11/10/201	14	4	17	7	0	
11/11/201	14	4	17	7	0	
11/12/201	14	4	17	6	0	meter blank
11/13/201	14	4	17	4	0	
11/14/201	<b>l</b> 4	4	17	6	0	
11/15/201	14	4	17	4	0	
11/16/201	14	4	17	4	0	
11/17/201	14	4	17	5	0	
11/18/201	14	4	17	5	0	
11/19/201		4	17	8	0	
11/20/201		4	17	8	0	
11/21/201		4	17	8	0	
11/22/201		4	17	8	0	
11/23/201		4	17	8	0	
11/24/201	14	4	17	8	0	
11/25/201	14	4	17	8	1.5	
11/26/201	14	4	17	8	0	bp, rpled bat
11/27/201		4	17	8	0	
11/28/201		4	17	8	0	
11/29/201		4	17	8	0	
11/30/201		4	17	8	0	
12/1/201	4	_			0	

Total 207

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W393
Bowman 1-8
North Goodland
Goodland
None
December-14

	Casing		· ·	HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
12/1/2014		4 1	17	7	0	
12/2/2014		<b>4</b> 1	17	7	0	
12/3/2014		<b>4</b> 1	17	5	0	
12/4/2014		4 :	17	7	0	
12/5/2014	,	<b>4</b> 1	17	6	0	
12/6/2014		4 1	17	6	0	
12/7/2014		4	17	7	0	
12/8/2014		4	17	7	0	
12/9/2014		4 1	17	7	0	
12/10/2014		4 1	17	7	0	
12/11/2014		4	17	7	0	
12/12/2014		4 1	17	7	0	
12/13/2014		4 1	17	7	0	
12/14/2014		4	17	7	0	
12/15/2014		4 1	17	7	0	
12/16/2014	,	4 1	17	7	0	
12/17/2014		<b>4</b> 1	17	7	0	
12/18/2014		4	17	7	0	
12/19/2014		<b>4</b> 1	17	7	0	
12/20/2014		4	17	7	0	
12/21/2014		4	17	7	0	
12/22/2014		<b>4</b> i	17	7	0	
12/23/2014		4	17	7	0	
12/24/2014		4	17	7	0	
12/25/2014		4	17	7	0	
12/26/2014		4 :	17	7	0	
12/27/2014		4	17	7	0	
12/28/2014		4	17	6	0	
12/29/2014		4	17	6	0	
12/30/2014		4	17	3	0	
12/31/2014		4	17	1	0	

Total 201

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