KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:	ا المام العب		(See Instruc	tions on Re	verse Side)					
Open Flow			Test Date	Test Date: API No. 15									
De	liverabilty			6/2/201					-20334-00 0)Q			
Company Rosewoo		urces				Lease Bowma	n				1-8	Well Nur	nber
			Section 8				RNG (E/W) 39W				Acres A 80	ttributed	
Field F				Reservoir Gas Gath Níobrara Branch						_			
Completic				Plug Bac 1209'	k Total Dept	th	<u> </u>	Packer S	et at				
Casing Si 4 1/2"	ize	Weig 10.5		Internal 0 4.052	Internal Diameter Set at 4.052 1213'			Perforations 1024'			To 1054'		
Tubing Si	ze	Weigl	nt	Internal [Internal Diameter Set at			Perforations			То		
Type Com				Type Flui Dry Ga	d Production	n		Pump Un Flowin	it or Traveling	Plunger	? Yes	/ (No)	
	Thru (A	nulus / Tubin	g)	<u>`</u>	Carbon Dioxi	de		% Nitrog	<u> </u>		Gas Gr	ravity - G	
Vertical D 1054'					Pres Flan	sure Taps						Run) (Pr	over) Size
Pressure	Buildup:	Shut in 6-1		15 at 4			Taken_6-	2	20	15 at_		(/	AM (PM)
Well on Li	ine:	Started 6-2				_				_15 at _		(АМ)(РМ)
					OBSERVE	D SURFAC	E DATA			Duration	of Shut	in_24	Hours
Static / Dynamic Property	Static / Oritice Meter Different Dynamic Size Prover Pressure in		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Temperature Temperature		Casing Wellhead Pressure (P_w) or (P_t) or (P_c)		Tubing Wellhead Pressure (P _w) or (P _j) or (P _c)		Duration (Hours)		l Produced Sarrels)
Shut-In		psig (Pm)	triches 11 ₂ 0			psig 14	28.4	psig	psia			 	
Flow						5	19.4			24		0	
			<u> </u>		FLOW STR	EAM ATTR	IBUTES						
Plate Coeffieci (F _b) (F _i Mcfd	ient p) Pi	Circle one: Meter or rover Pressure psia	Press Extension	Grav Fact	tor ¹	Flowing Femperature Factor F _{II}	Fa	iation ctor	Metered Flor R (Mcfd)		GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
									8				
(P _c) ² =		(P _w)2 =		(OPEN FLO	OW) (DELIV) CALCUL ូ - 14.4) +				(P _a)) ² = 0.20)7
(P _o) ² - (F	P _a) ²	P _a) ² - (P _w) ²	Choose formula 1 or 2 1. Pc ² - Pa ² 2. Pc ² - Pd ² divided by: Pc ² - Pw	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Backpre Slor	ssure Curve De = "n" Or Signed ard Slope		og [Anti	<u>-</u> _	Ope Deliv Equals	en Flow verability R x Antilog Mcfd)
						-		-					
Open Flow	N		Mcfd @ 14	65 psia		Deliverab	ility_			Mcfd @	14.65 ps	ia	
The t	ındersigne	ed authority, o	n behalf of the	Company, s	states that h	e is duly au	uthorized to	o make th	e above repo	ort and th	at he ha	as knowl	edge of
the facts st	tated there	ein, and that s	aid report is tru	e and correc	t. Executed	this the 2	2	day of D	ecember			, 2	o <u>15</u> .
		Witness	if any)		NO C	S NA GARAGE	1177	d	MAN	Company	WA	util	<i>ap</i>
		For Comm	nission	A	PR"07	2016			Che	cked by			
					Prac.	Lambre	17°)						

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 mct/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.
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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.

W393 Bowman 1-8 North Goodland Goodland None June-15

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
6/1/2015	14	27	0	24	
6/2/2015	14	27	0	24	
6/3/2015	14	26	10	0	
6/4/2015	5	24	10	0	
6/5/2015	5	23	10	0	
6/6/2015	5	22	10	0	
6/7/2015	5	22	10	0	
6/8/2015	5	21	10	0	
6/9/2015	5	20	10	0	
6/10/2015	5	20	10	0	
6/11/2015	5	20	11	0	
6/12/2015	5	19	10	0	
6/13/2015	5	20	8	4	
6/14/2015	5	19	10	0	
6/15/2015	5	19	10	0	
6/16/2015	5	19	9	0	
6/17/2015	5	19	9	0	
6/18/2015	5	18	10	0	
6/19/2015	5	18	9	0	
6/20/2015	5	19	8	1	
6/21/2015	5	18	9	0	
6/22/2015	5	18	9	0	
6/23/2015	5	18	9	0	
6/24/2015	5	18	8	0	
6/25/2015	5	18	7	2	
6/26/2015	5	18	9	0	
6/27/2015	5	18	9	0	
6/28/2015	5	18	9	0	
6/29/2015	5	18	9	0	
6/30/2015	5	18	9	0	
7/1/2015		0	0	0	

Total

261

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W393 Bowman II-8

North Goodland

Goodland

None

July-14

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

Total 202

KCC WICHITA APR 0.7 2016 RECEIVED W393

Bowman J-8

North Goodland

Goodland

None

August-14

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

Total

248

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