KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:	-107		C	See Instruct	ions on Rev	erse Side	9)					
Op	en Flow	MON		Test Date				∆ P1	No. 15				
De	liverabilty			6/2/2015					-20346-00 0	0			
Company		urces				Lease Bowman				2-8	Well N	umber	
County Sherman	n	Locati NESE	ion	Section 8		TWP 7S		RNG (E	W)		Acres 80	Attributed	
Field Goodlan	nd			Reservoir Niobrara					hering Conn Systems In				
Completic 9/28/204				Plug Bac 1205'	k Total Dept	h		Packer S	Set at				
Casing S 4 1/2"	ize	Weigh		Internal E 4.052	Diameter	Set at 1199		Perfo 984	rations	To 101	то 1014'		
Tubing Si	ize	Weigh	nt	Internal Diameter Set at			Perfo	rations	То				
Type Con Single (Type Fluid Dry Ga	d Production	า		Pump Ui Flowir	nit or Traveling	Plunger? Y	es / No)	
Producing	g Thru (A	nnulus / Tubin	g)	<u> </u>	arbon Dioxi	de		% Nitrog	en	Gas	Gravity -	G,	
Annulus Vertical D					Brook	sure Taps					ter Bun\ /E	Prover) Size	
1014'	oeptn(H)				Flan	-				2"	(F		
Pressure	Buildup:		2	0 15 at 4:		_				15 at 4:15		(AM(PM)	
Well on L	ine:	Started 6-2	20	15 at 4:	:15	(AM)(PM)	Taken 6-	3	20	15 at 5:05	5 	(AM) (PM)	
					OBSERVE	D SURFACE	DATA			Duration of SI	nut-in 24	Hour	
Static / Orifice			Flowing Temperature t	nperature Temperature		Casing Wellhead Pressure (P _w) or (P _t) or (P _o)		Tubing ad Pressure r (P _c) or (P _c)	Duration (Hours)		Liquid Produced (Barrels)		
Shut-In	<u>`</u>	psig (Pm)	Inches H ₂ 0			psig	psla 29.4	psig	psia				
Flow	_					6	20.4			24	0		
					FLOW STR	EAM ATTRI	BUTES						
Plate Coeffied (F _b) (F	ient p) F	Circle one: Meter or Prover Pressure psia	Press Extension ✓ P _m x h	Grav Fact	tor	Flowing Temperature Factor F ₁₁	Fa	riation Ictor	Metered Flor Pl (Mcfd)	(Cubi	OR c Feet/ rrel)	Flowing Fluid Gravity G _m	
									10				
		4- 12		•		ERABILITY)					$(P_n)^2 = 0.2$	207	
(P _c) ² =	 :	(P _w) ² =	Choose formula 1 or 2.	$P_d =$		T	<u>- 14.4) +</u>		 :	 '	$\frac{(P_d)^2 =}{1}$		
(P _c) ² - (I or (P _c) ² - (I		(P _c) ² - (P _w) ²	 P_c² - P_a² P_c² - P_d² divided by: P_c² - P_a² 	LOG of formula 1, or 2, and divide	P _c ² -P _w ²	Slope	sure Curve e = "n" or igned ird Slope	l n x	LOG	Antilog	De	pen Flow liverability s R x Antilog (Mcfd)	
<u> </u>	-			 				_ _					
Open Flo	w		Mcfd @ 14.	65 psia		Deliverabi	lity			Mcfd @ 14.65	psia		
The	undersign	ed authority, o	n behalf of the	Company, s	states that h	e is duly au				ort and that he			
the facts s	tated the	ein, and that s	eid report is true	and correc	t. Executed	this the 22	!		ecember		 `Se	20 <u>15</u> .	
		Witness	if any)	K	۱۱ <u>۱۷ مار</u>	2016		Vin	all	Z///A	llu	<i>></i>	
		For Comm	nission						Che	cked by			
					RECE	:IVED							

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 2-8 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.
Date: 12/22/15
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.

W394 Bowman 2-8 North Goodland Goodland None June-15

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

Total

324

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Bowman 2-8

North Goodland

Goodland

None

July-14

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

Total

256

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Bowman 2-8

North Goodland

Goodland

None

August-14

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

Total 310

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