KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:	4-3C-5		(See Instruc	tions on Re	verse Side	e)					
Op	en Flow	M DI											
De	liverabilt	у		Test Date 10/8/14					I №. 15 1-20331-00 1	ממ			
Company		ources		10/0/14		Lease Schwer	ndener				1-15	Well Nu	mber
				Section 15				RNG (E/W) 39W				Acres Attributed	
Field Goodlan	ıd			Reservoi Niobrara					thering Conn			_	
Completic 8/15/200				Plug Bac 1207'	k Total Dep	th		Packer	Set at				
Casing Size Weight I			Internal I 4.090	Internal Diameter Set at 4.090 1212'			Perforations 992'			To 1024'			
Tubing Si	ize	Wei	ght	Internal I	Internal Diameter Set at			Perforations			То	_	
		(Describe) ntional)		Type Flui Dry Ga	d Production	n		Pump U Flowit	nit or Traveling	Plunger	? Yes	7 (No)	
Producing Annulus	. ,	Annulus / Tub	ing)	% C	Carbon Dioxi	ide	_	% Nitrog	gen		Gas Gr .6	avity - G	g
Vertical D	epth(H)					sure Taps				•	,	Run) (Pr	over) Size
1024'					Flan	-							
Pressure	Buildup	Snut in	0-7	20 14 at 1	:55	(AM) (PM)	Taken_10)-8)-0		$\frac{14}{14}$ at.		(,	AM (PM)
Well on L	ine:	Started 10	J-8	20 14 at 2	.05	(AM)(PM)	Taken_10)-9	20	14 at	2.00	(/	AM) (PM)
					OBSERVE	D SURFAC				Duration	of Shut-	in 24	Hours
Static / Orifice Dynamic Size Property (inches)		Prover Pres	Differential in	Flowing Temperature t	emperature Temperature		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _c)		Duration (Hours)		Produced arrels)
Shut-In		po.g (1101100 1120			psig 8	22.4	psig	psia			<u> </u>	
Flow						5	19.4	l		24		0	l
					FLOW STR	REAM ATTR	IBUTES						
Plate Coefficcient (F _b) (F _p) F Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension ✓ P _m xh	Grav Fac F _e	tor	Flowing Temperature Factor	Fa	iation ctor - pv	Metered Flow R (Mcfd)	v	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
									7			_	
(P _c) ² =		: (P _w) ²	=:	(OPEN FL	OW) (DELIV) CALCUL 2 - 14.4) +		:	_		²= 0.20 ²=	7
(P _c) ² - (I		(P _c) ² - (P _w) ²	Choose formula 1 or 1. P _c ² -P _a ² 2. P _c ² -P _d divided by: P _c ² -P	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Slo As	ssure Curve pe = "n" - or signed ard Slope	l n x	roe	Ant	tilog	Deli Equals	en Flow verability R x Antilog Mcfd)
													_
Open Flor	w		Mcfd @ 14	.65 psia		Deliverab	ility			Mcfd @	14.65 psi	ia	
	-	•	on behalf of the			•			•	rt and th	at he ha	s knowl	edge of
the facts s	tated the	rein, and that	said report is tru							. גווו		, 2	0 <u>14</u> .
		Witnes	s (if any)		KCC I	NICHI	TA	100	ANUL For C	Company	LU	uu	Y
		For Cor	mmission		FEB 2	23 2015			Chec	cked by			

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	r penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
	oing pressure information and statements contained on this application form are true and
correct to the best o	of my knowledge and belief based upon available production summaries and lease records
• •	lation and/or upon type of completion or upon use being made of the gas well herein named. st a one-year exemption from open flow testing for the <u>Schwendener 1-15</u>
	unds that said well:
(Check d	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
<u></u>	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
	to corroborate this claim for exemption from testing.
Date: 12/10/14	
	KCC WICHITA Signature: Januel Mortuny
	FEB 23 2015 Signature: Production Assistant
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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.

W421 Schwendener 1-15 North Goodland Goodland None October-14

T 2 1 3

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

Total 230

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W421 Schwendener 1-15 North Goodland Goodland None November-14

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
11/1/2014		5 18	3	7	0	
11/2/2014		5 18	3	7	0	
11/3/2014	;	5 18	3	7	0	
11/4/2014	;	5 18	3	7	0	
11/5/2014	;	5 18	3	7	0	
11/6/2014	;	5 18	3	7	0	
11/7/2014		5 18	3	7	0	
11/8/2014	;	3 16	5	8	0	
11/9/2014	,	3 16	5	8	0	
11/10/2014		3 16	5	8	0	
11/11/2014	;	3 16	5	7	0	
11/12/2014		3 16	5	7	0	
11/13/2014	•	3 16	5	6	0	
11/14/2014	•	3 16	5	1	0	
11/15/2014		3 16		7	0	
11/16/2014	;	3 16	5	7	0	
11/17/2014		3 16	5	6	0	
11/18/2014		3 16	5	6	0	
11/19/2014		3 16	5	9	0	
11/20/2014	;	3 16	5	8	0	
11/21/2014	:	3 16	5	8	0	
11/22/2014	:	3 10	5	8	0	
11/23/2014	;	3 16	5	8	0	
11/24/2014	:	3 16	ó	8	0	
11/25/2014	,	3 16	5	8	1.5	
11/26/2014		3 10	5	8	0	
11/27/2014		3 16	5	8	0	
11/28/2014		3 10	5	8	0	
11/29/2014		3 10	5	8	0	
11/30/2014	:	3 16	5	8	0	
12/1/2014					0	

Total 217

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W421 Schwendener 1-15 North Goodland Goodland None December-14

. . . .

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOW	'N	(Maximum length 110 characters
12/1/2014	-	4	 17	6	0	
12/2/2014		4	17	7	0	
12/3/2014		4	17	6	0	
12/4/2014		4	17	7	0	
12/5/2014		4	17	7	0	
12/6/2014		4	17	6	0	
12/7/2014		4	17	7	0	
12/8/2014		4	17	7	0	
12/9/2014		4	17	7	0	
12/10/2014		4	17	7	0	
12/11/2014		4	17	7	0	
12/12/2014		4	17	7	0	
12/13/2014		4	17	7	0	
12/14/2014		4	17	7	0	
12/15/2014		4	17	7	0	
12/16/2014		4	17	6	0	
12/17/2014		4	17	8	0	
12/18/2014		4	17	6	0	
12/19/2014		4	17	7	0	
12/20/2014		4	17	6	0	
12/21/2014		4	17	8	0	
12/22/2014		4	17	8	0	replaced pot valve
12/23/2014		4	17	8	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	5	0	
12/28/2014		4	17	7	0	
12/29/2014		4	17	7	0	
12/30/2014		4	17	6	0	
12/31/2014		4	17	0	0	

Total 205

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