KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	: _		KT		(See Instruct	tions on Re	verse Side)					
Open Flow Deliverability			Test Date:					API No. 15						
		ııy			9/30/20	15			181	1-20537-00 0	<u> </u>			 _
Company Rosewo		sour	ces, Inc.				Lease Philbric	k			4	12-09 W	ell Nur	nber
County Location Sherman SENE/4			Section 9		TWP RNG (E/W) 9S 40W			Acres Attributed 80						
Field Goodan	d				Reservoir Niobrara		Gas Gathering Conne Branch Systems Inc						_	
Completic 6/15/08	on Date	•			Plug Bac 1226'	k Total Dept	th		Packer S	Set at		-		
Casing Size Weight 2 7/8" 6.5#			Internal E 2.441	Diameter	Set at 1226'		Perforations 1044'		то 1074'					
Tubing \$	ize		Weight		Internal Diameter Set at			Perfo	rations	7	Го			
Type Con Single (Type Flui DryGa	d Production	Pump Unit or Traveling Plunger? Yes No flowing							
Producing	j Thru		iulus / Tubing							% Nitrogen Gas Gravity - G			0	
Annulus						D	sure Taps					.6	ın\ /Dr	over) Size
Vertical D	Jepin(n) 		-		Flan	•				:	2"		
Pressure	Buildup		Shut in9-3(~	0 <u>15</u> at <u>8</u>		_	Taken_10			15 at 8		(AM) (PM)
Well on L	ine:	:	Started _10-1	2	0 <u>15</u> at <u>8</u>	:40	(AM)(PM)	Taken 10)-2	20	_15 at _9	:30	<u> </u>	AM)(PM)
						OBSERVE	D SURFAC	E DATA			Duration o	f Shut-in	24	Hours
Static / Orifice Meter Differ		Pressure Differential	Temperature Temperature		Casing Wellhead Pressure (P_w) or (P_1) or (P_2)		Wellhe	Tubing Wellhead Pressure (P,) or (P,) or (P,)		Duration (Hours)		Produced arrels)		
Property	(inche) -	psig (Pm)	Inches H ₂ 0	- t	t	psig	psia	psig	psia_				
Shut-In							8	22.4						
Flow				<u> </u>		FLOW STR	1	15.4	<u> </u>			1	0_	
Γ 5			Circle one:		<u> </u>	FLOW 51H	Flowing	IBUIES_			-			Flowing
Coefficient (F _b) (F _p) Pro		Meter or Extension Prover Pressure		Gravity 7 Factor 7		Factor F		ctor	ctor R		GOR (Cubic Feet Barrel)		Fluid Gravity	
Mcfd			psia			<u>- </u>	F _{ft}			3		<u>-</u>	-	- G _m
					(OPEN FL	OW) (DELIV	ERABILITY	/) CALCUL	ATIONS			(D \2	لــــــــــــــــــــــــــــــــــــ	
(P _c) ² =		_:	(P _w)² ≂_	;	P _d =		% (P _c - 14.4) +	14.4 =	:		(P _d) ²		
(P _c) ² - (I		(P		1. P _c ² - P _d ² 2. P _c ² - P _d ²	LOG of formula 1, or 2, and divide	P _c ² - P _w ²	SIG A	essure Curve ope = "n" or ssigned	l n x	LOG	Antilo	og (Deli Equals	en Flow verability R x Antilog Mcfd)
	+	_		ividad by: Pc²-Pw	2 by:	<u>*</u>	Stan	dard Slope	-					
<u> </u>	+			- <u></u>	 -			<u> </u>	+-		- -			
Open Fio	w			Mcfd @ 14.	65 psia	-	Delivera	bility			Mcfd @ 14	.65 psia		
The	undersi	gned	authority, on	behalf of the	Company,	states that h	e is duly a			he above repo	rt and that	t he has	knowl	edge of
the facts s	tated ti	erei	n, and that sa	id report is tru	e and correc	t. Executed	I this the $\frac{2}{3}$	2		ecember	101	-	ء , <u>د</u>	20 15
			Witness (if	any)	K	CC W	CHIE	<u> </u>	Zu	<u> </u>	ULC Company	UU	щ	<u></u>
			·			APR 07	2016				cked by			
			For Commi	ssion		~ ii i v ~ i				Che	even nà			

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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 Philbrick 42-09 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
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.

W2578



South Goodland

Goodland

None

September-15

	Casing	_	HR	es [REMARKS
DATE	PSI	STATIC MC	F DO	own	(Maximum length 110 characters)
9/1/2015	1	14	3	0	
9/2/2015	1	14	3	0	
9/3/2015	l	14	4	0	
9/4/2015	1	. 14	3	0	
9/5/2015	1	14	3	0	
9/6/2015	1	14	3	0	
9/7/2015	1	14	3	0	
9/8/2015	1	. 14	3	0	
9/9/2015	1	. 14	3	0	
9/10/2015	1	14	3	0	
9/11/2015	1	14	3	0	
9/12/2015	1	14	4	0	
9/13/2015	1	14	3	0	
9/14/2015	1	14	3	0	
9/15/2015	1	14	3	0	
9/16/2015	1	. 14	3	0	
9/17/2015	1	14	3	0	
9/18/2015	1	14	3	0	
9/19/2015	1	14	3	0	
9/20/2015	1	14	4	0	
9/21/2015	1	14	3	0	
9/22/2015	1	14	3	0	•
9/23/2015	1	14	3	0	
9/24/2015	1	14	4	0	
9/25/2015	1	14	4	0	
9/26/2015	1	14	4	0	
9/27/2015	I	14	4	0	
9/28/2015	1	14	3	0	
9/29/2015	1	14	0	22	
9/30/2015	8	21	0	24	24 hr shut in pressure for state
10/1/2015	0	0	0	0	

Total 91

KCC WICHITA APR 0.7 2016 RECEIVED W2578



South Goodland

Goodland

None

October-15

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
10/1/2015		22	0	24	
10/2/2015	(5 19	3	7	
10/3/2015	4	1 17	4	0	
10/4/2015	2	3 16	4	0	
10/5/2015	3	3 16	4	0	
10/6/2015	2	2 15	4	0	
10/7/2015	2	2 15	4	0	
10/8/2015	2	2 15	4	2	
10/9/2015	2	2 15	4	2	
10/10/2015	2	2 15	4	2	
10/11/2015		l 14	4	0	
10/12/2015	2	2 15	4	4	
10/13/2015		l 14	4	0	
10/14/2015		1 14	4	0	
10/15/2015	2	2 15	3	0	
10/16/2015	2	2 15	4	0	
10/17/2015]	[14	4	0	
10/18/2015	•	14	4	0	
10/19/2015		l 14	4	0	
10/20/2015		14	4	0	
10/21/2015		14	4	0	
10/22/2015		l 14	4	0	
10/23/2015		l 14	4	0	
10/24/2015		14	4	0	
10/25/2015	i	14	4	0	
10/26/2015		14	4	0	
10/27/2015	•	l 14	4	0	
10/28/2015	1	l 14	4	0	
10/29/2015		14	4	0	
10/30/2015		l 14	4	0	
10/31/2015	;	14	4	0	

Total 118

KCC WICHITA APR 07 2016 RECEIVED W2578

Philbrick 42-09

South Goodland

Goodland

None

November-15

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

Total 103

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