KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test					(See Instruct	tions on Rev	rerse Side	;)					
Op	en Flo	w Z	42T							1 1				
Deliverabilty				Test Date 10/8/14	?:		APJ No. 15 15-181-20443-00 00							
Company		sou	rces				Lease Leonard	W				23-29	Well Nu	mber
County Location Sherman NESW			Section 29	***	TWP 7S	•	RNG (E.	RNG (E/W) 39W			Acres Attributed 80			
Field Goodlan	 nd				Reservoir Niobrara					thering Conn Systems In			-	
Completion Date				Plug Bac	k Total Dept	th								
10/23/2006 Casing Size Weight			1268' Internal D	Diameter	Set a	Set at Perforations				To				
4 1/2" 10.5#			4.052		1267	1267.81'		6'		1074' To				
Tubing Si	ıze		Weigh		Internal D	Jiameter	Set a	ţ	Perio	rations		10	_	
Type Con Single (-	Type Fluid Dry Ga	d Production	n	Pump Unit or Trave Flowing			ing Plunger? Yes / (No)			
Producing Annulus		(Anı	nulus / Tubing)	% C	arbon Dioxi	de	% Nitrogen			Gas Gravity - G			90
Vertical D		()		<u> </u>			sure Taps		<u> </u>		·	(Meter l	Run) (Pi	over) Size
1315'			a 10-1		14 1:	Flan		10)-8		1/	11:30		
Pressure	Buildu	•	Snut in		0 14 at 1		(PM)	iakeri				11:30	_	AM)(PM)
Well on L	ine:		Started 10-8	2	0 <u>14</u> at <u>1</u>		(PM)	Taken	J-8 	20 	at	12:15	(AM)((PM))
					Γ	OBSERVE	D SURFACE	DATA	1	<u> </u>	Duratio	n of Shut-	in_24	Hours
Static / Dynamic Property	Dynamic Size		Prover Pressure in		Flowing Temperature t	emperature Temperature		Casing Wellhead Pressure (P_w) or (P_1) or (P_c)		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c)		Duration (Hours)		l Produced Barrels)
Shut-In	`-		psig (Pm)	Inches H ₂ 0		_	psig 17	95ia 31.4	psig	psia	_		 -	-
Flow				_			9	23.4			24		0	_
					-	FLOW STR	REAM ATTRI	BUTES						
Plate Coeffiecient (F _b) (F _p) Modd		Pro	Circle one: Meter or Prover Pressure psia Press Extension ✓ P _m x h		Fact	Gravity Te		Deviation Factor		Metered Flow R (Mcfd)		GOR (Cubic Feet Barrel)		Flowing Fluid Gravity G _m
			ļ							19		_		
(P _c) ² =			(P _w) ² =	:	(OPEN FLO		'ERABILITY) % (P	CALCUL - 14.4) +		:		(P _a): (P _d):	²	07
(P _c) ² - (I	P _a) ²	(F		1. P _c ² - P _a ² 2. P _c ² - P _d ²			Backpres Slop	ssure Curve e = "n" or	n x	LOG	An	tilog	Op Deli Equals	en Flow verability R x Antilog
	97			fivided by: Pc - Pw		P _c ² - P _w ²		ard Slope						Mcfd)
									_			_		
Open Flo	—-—↓ ₩		I	Mcfd @ 14	65 psia	_	Deliverab	ility	I.		Mcfd @	14.65 ps	ia	
		igne	d authority, or	behalf of the		states that h			o make t	he above repo	ort and t	hat he ha	s know	ledge of
the facts s	tated t	here	in, and that sa	id report is true	and correc	t. Executed	this the 10)	day of _	ecember			,	<u>14</u> .
					K	CC W	ICHIT <u>a</u>		au	all-	MO	Tu	Uf)	<u> </u>
			Witness (ii			EEB 23	2015 _			Fore	Jompany		<i>y</i>	
			For Comm	ssion						Che	cked by			

RECEIVED

	under penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
	foregoing pressure information and statements contained on this application form are true and
	best of my knowledge and belief based upon available production summaries and lease records
	installation and/or upon type of completion or upon use being made of the gas well herein named.
	equest a one-year exemption from open flow testing for the Leonard 23-29
	ne grounds that said well:
(CI	heck 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
	agree to supply to the best of my ability any and all supporting documents deemed by Commission ssary to corroborate this claim for exemption from testing.
Date: 12/10/	14
ŀ	CC WICHITA FEB 23 2015 RECEIVED 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.

W2324 Leonard 23-29 North Goodland Goodland None

October-14

FloBoss

DATE 10/1/2014 10/2/2014 10/3/2014 10/4/2014 10/5/2014 10/6/2014 10/7/2014 10/8/2014 10/9/2014	PSI	8 8 8 9 9	<u>FATIC</u> 21 21 21 22		22 19 19	0 0 0	(Maximum length 110 characters)
10/2/2014 10/3/2014 10/4/2014 10/5/2014 10/6/2014 10/7/2014 10/8/2014		8 8 9 9	21 21 22		19		
10/3/2014 10/4/2014 10/5/2014 10/6/2014 10/7/2014 10/8/2014		8 9 9	21 22			0	
10/4/2014 10/5/2014 10/6/2014 10/7/2014 10/8/2014		9 9	22		19		
10/5/2014 10/6/2014 10/7/2014 10/8/2014		9		,		0	
10/6/2014 10/7/2014 10/8/2014				,	19	0	
10/7/2014 10/8/2014		0	22	!	19	0	
10/8/2014		7	22		19	0	
		9	22		19	0	shut in for state
10/9/2014		17	30)	0	24	opened up
		9	22	!	20	0	
10/10/2014		9	22	:	20	0	
10/11/2014		9	22	•	20	1	
10/12/2014		9	22	!	20	0	
10/13/2014		9	22	;	20	0	
10/14/2014		9	22	!	20	0	
10/15/2014		9	22		19	0	
10/16/2014		9	22		19	1	
10/17/2014		9	22	!	19	0	
10/18/2014		9	22	;	19	0	
10/19/2014		9	22	!	19	0	
10/20/2014		9	22	;	19	0	
10/21/2014		9	22		19	0	
10/22/2014		9	22	:	19	0	
10/23/2014		9	22	!	19	0	
10/24/2014		9	22	!	19	0	
10/25/2014		9	22	;	19	0	
10/26/2014		9	22	<u>;</u>	19	0	
10/27/2014		9	22		19	0	
10/28/2014		9	22		19	0	
10/29/2014		9	22	:	19	0	
10/30/2014		9	22	:	19	0	
10/31/2014		9	22	?	19	0	

Total

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579

W2324

Leonard 23-29

North Goodland

Goodland

None

November-14

FloBoss

FloBoss	Casina					HRS	Т	REMARKS
DATE	Casing PSI	STATIO	7	MCF		OOWN		(Maximum length 110 characters)
11/1/2014	1 51	9	22		20	<u> </u>	0	(Maximum lengur 110 characters)
11/2/2014		9	22		20		0	
11/3/2014		9	22		20		0	
11/4/2014		9	22		20		0	
		9	22		20		0	
11/5/2014		9	22		20		0	
11/6/2014								
11/7/2014		9	22		20		0	
11/8/2014		9	22		20		0	
11/9/2014		9	22		20		0	
11/10/2014		9	22		20		0	
11/11/2014		9	22		20		0	
11/12/2014		9	22		13		0	
11/13/2014		2	15		17		0	
11/14/2014		9	22		5		0	
11/15/2014		9	22		29		0	
11/16/2014		9	22		20		0	
11/17/2014		9	22		18		0	
11/18/2014		9	22		19		0	
11/19/2014		8	21		21		0	
11/20/2014		8	21		21		0	
11/21/2014		8	21		21		0	
11/22/2014		8	21		21		0	
11/23/2014		8	21		21		0	
11/24/2014		8	21		21		0	
11/25/2014		8	21		21	1	.5	bp
11/26/2014		8	21		21		0	
11/27/2014		8	21		20		0	
11/28/2014		8	21		22		0	
11/29/2014		8	21		20		0	
11/30/2014		8	21		20		0	
12/1/2014							0	

Total 591

KCC WICHITA FEB 23 2015 RECEIVED

W2324 Leonard 23-29 North Goodland Goodland None

December-14

FloBoss

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

Total 557

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