## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	en Flov	•	NOT.		Test Date	See Instruct	tions on Re	everse Side	API	No. 15				
	liverab	uty			10/20/2	011			15-	181-20443-0	0 - 00		Mall No.	
Rosewoo		soui	rces				Lease Leonar	d				23-29	Well Nu	nper
County Location Section Sherman NESW 29						TWP RNG (E/W) 7S 39W				Acres Attributed 80				
<del>,,_,</del>					Reservoir Niobrara			·	Gas Gat Branch					
Completion Date 10/23/2006				Plug Bac 1268'	k Total Dept	th		Packer Set at						
Casing Size Weight 4 1/2" 10.5#			Internal 0 4.052	Diameter		Set at 1267.81'		Perforations 1036'			To 1074'			
Tubing SI none	ze		Weigh		Internal (	Diameter	Set	Set at		Perforations			_	
Type Con Single (					Type Fluid Production Dry Gas				Pump Ur Flowin	Plunger	? Yes	/ (NO		
Producing	_	(Anr	rulus / Tubing	)	% Carbon Dioxide			% Nitrog	en		Gas Gravity - G <sub>o</sub>			
Vertical D	epth(H	1)		•	Pressure Taps Flange						(Meter Run) (Prover) Size 2"			
Pressure	Buildu	p: :	Shut in10-	19 20	<del></del>			Taken_1	0-20 20 11 at			11:30 (AM)(PM)		
Well on L	ine:		Started 10-2	20 20	11 at 1	1:30	(PM)	Taken 1	0-21	20	11 at_	12:15	(	AM)(PM)
			···			OBSERVE	D SURFAC	E DATA			Duration	of Shut-i	<sub>in</sub> _24	Hours
Static / Dynamic Property	mic Size Meter Differentia Prover Pressure in		Differential	Flowing Well Head Temperature t t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>c</sub> ) psig psia		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>2</sub> ) psig psia		Duration L (Hours)			i Produced Sarrels)	
Shut-In		pag (Fill) Inches H <sub>2</sub> O			20 34.4		pang pang							
Flow					11	25.4 24		24		0				
					1	FLOW STR	EAM ATT	RIBUTES	ı					·····
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Motd		Pro	Circle one:  Meter or  Prover Pressure psla  Press Extension  Pmxh		Fac	Gravity Teactor		Fi	viation actor F <sub>pv</sub>	Metered Flow R (Mcfd)		GOR (Cubic Fed Barrel)	et/	Flowing Fluid Gravity G <sub>m</sub>
				<del>_</del>	<u> </u>					24				
(P <sub>c</sub> ) <sup>2</sup> =		•	(P <sub>w</sub> )² =		(OPEN FL	OW) (DELIV		r) CALCUI P <sub>e</sub> - 14.4) +				(P₀)² (P₀)²	2 = 0.20 2 =	37
		(F	(P <sub>e</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> 1. P <sub>e</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>a</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup>		LOG of formula 1. or 2. and divide		Backpressure Cur Slope = "n" 		n x LOG		Antilog		Op Dell Equals	en Flow verability R x Antilog Mcfd)
						<del></del>								
Open Flow Mcfd @ 14.65 psia						Delivera	Deliverability Mcfd @ 14.65 psia							
				behalf of the					_		rt and th	at he ha		ledge of 20 11 .
			Witness (il	влу)		<del></del>		<u>C</u> ,	10M	ML	Company	<u> </u>	U)	) :CE"
•			For Comm	ssion						Chec	ked by		ΙΝĘ	CEIVE

APR 2 4 2012

exempt status under Rule K.A.f and that the foregoing pressur	perjury under the laws of the state of Kansas that I am authorized to request R. 82-3-304 on behalf of the operator Rosewood Resources, Inc. re information and statements contained on this application form are true and edge and belief based upon available production summaries and lease records
•	r upon type of completion or upon use being made of the gas well herein named.
	r exemption from open flow testing for the Leonard 23-29
gas well on the grounds that sa	
is cycled or is a source is on vacuu	I methane producer I plunger lift due to water of natural gas for injection into an oil reservoir undergoing ER on at the present time; KCC approval Docket No ole of producing at a daily rate in excess of 250 mcf/D
	the best of my ability any and all supporting documents deemed by Commission ate this claim for exemption from testing.
Date: 12/28/11	<del></del>
	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-11

FloBoss

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
10/1/2011	1	2 2	5	24	0	
10/2/2011	1	2 2:	5	24	0	
10/3/2011	1	2 2:	5	23	0	
10/4/2011	1	2 2:	5	23	0	
10/5/2011	1	2 2:	5	23	0	
10/6/2011	1	2 2:	5	23	0	
10/7/2011	1	2 2	5	23	0	
10/8/2011	1	2 2	5	23	0	
10/9/2011	1	1 2	4	23	0	
10/10/2011	1	1 2	4	23	0	
10/11/2011	1	1 2	4	23	0	
10/12/2011	1	1 2	4	23	0	
10/13/2011	1	1 2	4	23	0	
10/14/2011 -	1	1 2	4	23	0	
10/15/2011	1	1 2	4	23	0	
10/16/2011	1	1 2	4	23	0	
10/17/2011	1	1 2	4	23	0	
10/18/2011	1	1 2	4	23	0	
10/19/2011	1	1 2	4	23	0	shut in for state test
10/20/2011	2	20 3	3	0	24	opened up
10/21/2011	1	3 2	6	28	2	
10/22/2011	1	2 2	5	26	0	
10/23/2011	1	2 2	5	24	0	
10/24/2011	1	1 2	4	24	0	
10/25/2011	1	2 2	5	20	2	
10/26/2011	1	.1 2	4	24	0	
10/27/2011	1	1 2	4	24	0	
10/28/2011	1	.1 2	4	24	0	
10/29/2011	1	.1 2	4	24	0	
10/30/2011	1	1 2	4	23	0	
10/31/2011	1	.1 2	4	23	0	

Total 703

W2324

Leonard-23-297

North Goodland

Goodland

None

November-11

FloBoss

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
11/1/2011	1	1 2	4	23	0	
11/2/2011	1	1 2	.4	23	0	
11/3/2011	1	1 2	.4	23	0	
11/4/2011	1	1 2	:4	23	0	
11/5/2011	1	2 2	:5	23	0	
11/6/2011	1	1 2	:4	24	0	
11/7/2011	1	1 2	4	23	0	
11/8/2011	1	1 2	.4	22	0	
11/9/2011	1	1 2	.4	22	0	
11/10/2011	1	1 2	4	23	0	
11/11/2011	1	1 2	:4	23	0	bp
11/12/2011	1	1 2	4	23	0	
11/13/2011	1	1 2	4	23	0	
11/14/2011	1	1 2	:4	22	0	
11/15/2011	1	1 2	4	23	0	
11/16/2011	1	1 2	4	22	0	
11/17/2011	1	12 2	:5	14	0	
11/18/2011	1	1 2	4	28	0	
11/19/2011	1	12 2	:5	23	0	
11/20/2011	1	1 2	4	23	0	
11/21/2011	1	10 2	:3	29	0	
11/22/2011	1	1 2	:4	24	0	
11/23/2011	1	1 2	.4	22	0	
11/24/2011	1	1 2	4	23	0	
11/25/2011	1	1 2	4	23	0	
11/26/2011	1	1 2	.4	23	0	
11/27/2011	1	1 2	.4	23	0	
11/28/2011	1	1 2	.4	21	0	
11/29/2011	1	11 2	.4	21	0	
11/30/2011	1	11 2	.4	21	0	
12/1/2011		0	0	0	0	

Total 683

W2324

Leonard 23-29%

North Goodland

Goodland

None

December-11

FloBoss

	Casing					IRS	REMARKS
DATE	PSI	STATIO	2_	MCF	Ι	OOWN	(Maximum length 110 characters)
12/1/2011		10	23		21	0	
12/2/2011		10	23		21	0	
12/3/2011		10	23		24	0	
12/4/2011		9	22		24	0	
12/5/2011		10	23		21	0	
12/6/2011		10	23		21	0	
12/7/2011		11	24		26	0	
12/8/2011		10	23		26	0	bp
12/9/2011		10	23		23	0	
12/10/2011		10	23		23	0	
12/11/2011		11	24		21	0	
12/12/2011		10	23		28	0	
12/13/2011		10	23		24	0	
12/14/2011		10	23		22	0	
12/15/2011		10	23		22	0	
12/16/2011		11	24		19	4.5	
12/17/2011		11	24		27	0	
12/18/2011		11	24		23	0	
12/19/2011		10	23		23	0	
12/20/2011	•	10	23		23	0	
12/21/2011		11	24		25	0	
12/22/2011		10	23		22	0	
12/23/2011		10	23		22	0	
12/24/2011		10	23		24	0	
12/25/2011		10	23		24	0	
12/26/2011		10	23		24	0	
12/27/2011		10	23		24	0	
12/28/2011		11	24		23	0	
12/29/2011		10	23		22	0	
12/30/2011		11	24		22	0	
12/31/2011		11	24		22	0	

Total 716