KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Instruc	ctions on Re	verse Sid	de)						
(√) Op	en Flo	W													
Deliverabilty					Test Date 9/30/201		API No. 15 181-20568-0								
Company Rosewoo		soui	rces, Inc.				Lease Leonard	d				_	33-29	Well Nu	mber
County Shermar				on	Section 29			TWP RNG (E/W) 7S 39W			N)			Acres A	attributed
Field Goodlan	Field Goodland				Reservoir Niobrara			-	Gas Gathering Connection Branch Systems Inc.			on	_		
•	Completion Date 3/23/2010			-	Plug Back Total Depth 1308'			Packer Set at							
Casing Si 4 1/2"	Casing Size Weight				Internal Diameter 4.000			Set at 1348'		Perforations 1044'			To 1076'		
Tubing Si	Z6		Weigh	t	Internal C	Diameter	Set	Set at Perforations			ations		То		
Type Com Single (Type Flui	d Production	on	Pump Unit or Trave Flowing				g Plu	inger? Yes	No	
			nulus / Tubing	<u> </u>		arbon Diox		·		% Nitroge			Gas Gr	 avity - (3.
Annulus	6									_			.6		•
Vertical D	epth(H	i)				Pre: Flar	ssure Taps						(Meter I	Run) (P	rover) Size
5	5							\							
Pressure	Buildu		Shut in		10 at				•				al	(AM) (PM)
Well on Li	ine:		Started 9-3	<u>.</u> 2	0 10 _{at _} 1		(AM)(PM)	Taken .	10-	·1	20) '') at 12:15		AM)(PM)
						OBSERV	ED SURFAC	E DATA				Du	ration of Shut-	_{in} 24	Hours
Static / Dynamic	Vinamic Size Meter		Differential Temperature Ten		Well Head Temperature	Temperature Wellhead Pressure			Tubing Wellhead Pressure					Liquid Produced (Barrels)	
Property	(inch	es)	Prover Presso psig (Pm)	in Inches H ₂ 0	t	ŧ	(P _w) or (P _t) or (P _c)		+	(P _w) or (P _t) or (P _c) psig psia		4	(Hours) (B.		sarreis)
Shut-In								·							
Flow							59	73.4				2.	4	0	
						FLOW ST	REAM ATTR	RIBUTES							
Coeffieci	, p, (, p,		Circle one: Meter or ver Pressure psia	Press Extension ✓ P _m x h			Flowing Temperature Factor F ₁₁	Temperature Factor		viation Metered Flow actor R F _{pv} (McId))w	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m
											35				
(D.)2 -			(D.)		•	OW) (DELI	VERABILITY	•				•	-	² = 0.2	07
(P _c) ² =	т	·	(P _w) ² =	Choose formula 1 or 2	P _a =			P _c - 14.4)		14.4 =	 :	-	(L ^q)	² = T	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _e) ² - (P _w) ²		1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$	p 2 LOG of formula p 2 1. or 2. and divide p 2. p 2		Backpressure Curvi Slope = "n" or Assigned			n x L	OG		Antilog	Del Equats	pen Flow iverability R x Antilog
				divided by: Pc2 - Pw	2 by:		Stand	dard Slope							(Mcfd)
Open Flov				Mcfd @ 14.	.65 osia		Deliverat	vility				Mef	d @ 14.65 ps	ia	
		ioner	1 authority o	n behalf of the		states that			to	make the	a aboue ree				ledge of
				aid report is true							ecember	VII E	nu usal ne na		20 10 .
			, 1141 01	roport to tru	o and comec	Excoule			_	uy vi 1. s. m.: J	6	2	1	ı	
			Witness (fany)						way	For	Comp	eny	RE	CEIVED
			For Comm	nission			•				Ćh	ecked	Dy	-	2 6 20

exemp	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
correct of equi I he	It the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records oment installation and/or upon type of completion or upon use being made of the gas well herein named. The reby request a one-year exemption from open flow testing for the Leonard 33-29.
	(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 rther agree to supply to the best of my ability any and all supporting documents deemed by Commiss necessary to corroborate this claim for exemption from testing.
Date: _	2/20/10
	Signature: <u>wayre</u> mala

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.

JAN 2 5 2011

KCC WICHITA

W2726 Leonard 33-29 North Goodland Goodland

None

September-10

Floboss

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
9/1/2010					
9/2/2010					
9/3/2010					
9/4/2010					
9/5/2010					
9/6/2010					
9/7/2010					
9/8/2010					
9/9/2010					
9/10/2010					
9/11/2010					
9/12/2010					
9/13/2010					
9/14/2010					
9/15/2010					
9/16/2010					
9/17/2010					
9/18/2010					
9/19/2010					
9/20/2010					
9/21/2010					
9/22/2010					
9/23/2010				ř	
9/24/2010					
9/25/2010					
9/26/2010					
9/27/2010					
9/28/2010					
9/29/2010					
9/30/2010	:	59 7	72	0	on line, flowing 35
10/1/2010					· •
Total				0	

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KCC WICHITA

W2726 Leonard 33-29 North Goodland Goodland None

October-10

FloBoss

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
10/1/2010	58	3 71	37	0	
10/2/2010	58	3 71	34	0	
10/3/2010	58	3 71	33	0	
10/4/2010	57	7 70	33	0	
10/5/2010	57	7 70	33	0	
10/6/2010	57	7 70	33	0	
10/7/2010	57	7 70	33	2	
10/8/2010	57	7 70	32	0	
10/9/2010	57	7 70	32	4	
10/10/2010	57	7 70	32	0	
10/11/2010	57	7 70	32	0	
10/12/2010	56	69	32	0	opened to 44
10/13/2010	5€	69	34	6	
10/14/2010	55	68	42	0	
10/15/2010	55	68	43	0	
10/16/2010	55	68	42	. 0	
10/17/2010	55	68	43	0	
10/18/2010	55	68	43	0	
10/19/2010	55	68	42	. 0	
10/20/2010	55	68	43	0	
10/21/2010	55	68	43	0	
10/22/2010	55	68	42	0	
10/23/2010	55	68	42	. 0	
10/24/2010	55	68	42	. 0	
10/25/2010	55	68	41	0	
10/26/2010	54	67	41	3	opened to 53
10/27/2010	54	67	52	. 0	
10/28/2010	53	66	53	0	
10/29/2010	53	3 66	53	0	
10/30/2010	53	66	53	0	
10/31/2010	53	3 66	53	0	

Total 1243

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KCC WICHITA

W2324 Leonard 33-29 North Goodland Goodland

None

November-10

FloBoss

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
11/1/2010	5	53 6	6	53	0	
11/2/2010	5	52 6	5	51	0	opened to 57
11/3/2010	5	52 6	5	56	4	
11/4/2010	5	52 6	5	58	0	
11/5/2010	5	52 6	55	58	0	
11/6/2010	5	52 6	5	58	0	
11/7/2010	5	51 6	4	59	0	
11/8/2010	5	51 6	4	59	0	
11/9/2010	5	51 6	4	56	0	opened to 66
11/10/2010	5	50 6	3	66	0	
11/11/2010	5	50 6	3	66	0	
11/12/2010	5	50 6	3	66	0	
11/13/2010	5	50 6	3	66	0	
11/14/2010	5	50 6	3	66	0	
11/15/2010	5	50 6	3	66	0	
11/16/2010	4	19 6	2	66	0	
11/17/2010	4	19 6	2	66	0	
11/18/2010	4	19 6	2	65	0	bp
11/19/2010	4	19 6	52	64	0	
11/20/2010	4	19 6	2	64	0	
11/21/2010	4	19 6	2	64	0	
11/22/2010	4	19 6	52	64	0	
11/23/2010	4	19 6	52	59	0	bp
11/24/2010	4	19 6	52	62	0	
11/25/2010	4	19 6	52	55	0	
11/26/2010	4	18 6	51	56	0	
11/27/2010	4	18 6	51	60	0	
11/28/2010	4	18 6	61	64	0	
11/29/2010	4	18 6	51	62	0	
11/30/2010	4	18 6	31	60	0	
12/1/2010					0	

Total 1835

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KCC WICHITA

W2324 Leonard 33-29 North Goodland Goodland

None

December-10

FloBoss

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
12/1/2010	4	8 6	1	55	0	bp
12/2/2010	4	8 6	1	63	0	
12/3/2010	4	8 6	1	63	0	
12/4/2010	4	7 6	0	63	0	
12/5/2010	4	8 6	1	61	0	
12/6/2010	4	7 6	0	56	0	
12/7/2010	4	7 6	0	63	0	
12/8/2010	4	8 6	1	59	0	cd, bp
12/9/2010	4	7 6	0	59	6	
12/10/2010	4	7 6	0	62	3	
12/11/2010	4	7 6	0	62	0	
12/12/2010	4	7 6	0	62	0	
12/13/2010	4	7 6	0	59	0	
12/14/2010	4	7 6	0	62	0	
12/15/2010	4	7 6	0	62	0	
12/16/2010	4	7 6	0	61	0	
12/17/2010	4	7 6	0	61	0	
12/18/2010	4	7 6	0	60	0	
12/19/2010	4	7 6	0	61	0	
12/20/2010	4	6 5	9	61	0	
12/21/2010	4	6 5	9	61	0	
12/22/2010	4	6 5	9	60	0	bp, meth
12/23/2010	4	6 5	9	58	0	
12/24/2010	4	6 5	9	53	0	
12/25/2010	4	6 5	9	58	0	
12/26/2010	4	6 5	9	57	0	
12/27/2010	4	6 5	9	57	0	
12/28/2010	4	6 5	9	61	0	
12/29/2010	4	6 5	9	59	0	
12/30/2010	4	6 5	9	60	0	bp, meth at well
12/31/2010	4	6 5	9	60	0	-

Total 1859

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