<u>-</u>}

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

:	en Flo		ASI		(Test Date	See Instruct	tions on Re	verse Side	•	No. 15		
	liverat	oilty			5/29/20	13			181	-20328-00		
Rosewo		sou	rces		_		Lease Pancak	e			1-9	Well Number
County Shermai	n		Locati SENE	on	Section 9		TWP 7S		RNG (E 39W	W)		Acres Attributed 80
Field Goodlan	nd				Reservoir Niobrara					thering Conn Systems In		
Completion 8/14/200		te			Plug Bac 1211'	k Total Dept	th		Packer :			
Casing S 4 1/2"	ize		Weigh 10.5#		Internal E 4.052	Diameter	Set a 122		Perfo	rations 8'	то 1040'	
Tubing S	ize		Weigh		Internal D	Diameter	Set		_	rations	То	
Type Con Single (Type Flui Dry Ga	d Production	າ		Pump U	nit or Traveling	Plunger? Yes	/ No
	<u> </u>		nulus / Tubing	1)		arbon Dioxi	de		% Nitrog	<u> </u>	Gas Gr	avity - G
Annulus	s					_			_		6	
Vertical D 1040'	Pepth(1)				Press Flan	sure Taps ge				(Meter I 2"	Run) (Prover) Size
Pressure	Buildu		Shut in 5-2								13 _{at} 1:55	(AM)(PM)
Well on L	.ine:		Started 5-25	92	0 <u>13</u> at 1:	:55	(AM) (PM)	Taken <u>5-</u>	30	20	13 _{at} 2:45	(AM) (PM)
					- <u>-</u>	OBSERVE	D SURFAC	E DATA		_	Duration of Shut-	in_24 Hours
Static / Dynamic Property	Orif Siz (inch	20	Circle one: Meter Prover Pressu		Flowing Temperature t	Well Head Temperature t	Cas Wellhead (P _w) or (F	Pressure	Wellhe	Tubing ead Pressure r (P _t) or (P ₄)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In	,		psig (Pm)	Inches H ₂ 0			psig 8	psia 22.4	psig	psia		
Flow							5	19.4			24	0
						FLOW STR	EAM ATTR	IBUTES				
Plate Coeffiec (F _b) (F Mcfd	ient ,)	Pro	Cirde one: Meter or over Pressure psia	Press Extension	Grav Fact	tor 1	Flowing femperature Factor	Fa	ation ctor : pv	Metered Flov R (Mcfd)	GOR (Cubic Fe Barrel)	I Gravity
]										8		
			_		(OPEN FL	OW) (DELIV		-		_		²= 0.207
(P _c) ² =	_	<u>-:</u>	(P _w)² =	Choose formula 1 or 2	P _d =		<u>% (F</u>	P _c - 14.4) +	14.4 =	: _	(P _d)	² =
(P _c) ² - (I or (P _c) ² - (I	•	(F	P _c)²- (P _w)²	1. P _c ² - P _c ² 2. P _c ² - P _c ² divided by: P _c ² - P _c ²	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Slo As	essure Curve pe = "n" - or esigned lard Slope	n×	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
						_						
					<u> </u>						M-/-I @ 44.05 mail	<u> </u>
Open Flo				Mcfd @ 14.			Deliverab				Mcfd @ 14.65 psi	
		_		behalf of the				_		ne above repo lovember	rt and that he ha	s knowledge of
are radio o			,			RECEI	VED)/i !	inst	Mai	tuis
			Witness (ii	any)	- KANSAS	CORPORAT	ION COMMI	/	مس	For C	Company	8
			For Comm	ssion		DEC 2	6 2013 -			Chec	ked by	<u> </u>

CONSERVATION DIVISION WICHITA, KS

I de	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.
	at 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
	oment installation and/or upon type of completion or upon use being made of the gas well herein named.
۱he	ereby request a one-year exemption from open flow testing for the Pancake 1-9
gas we	ll 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
l fu	rther agree to supply to the best of my ability any and all supporting documents deemed by Commissio
staff as	necessary to corroborate this claim for exemption from testing.
Date: _1	1/26/13
	Signature: and Matting
	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 free per be signed and dated on the front side as though it was a verified report of annual test results ans as CORPORATION COMMISSION

W413 Pancake 1-9 North Goodland Goodland None May-13

1

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN	1	(Maximum length 110 characters)
5/1/2013		4 1	7	8	0	
5/2/2013	•	4 1	7	8	0	
5/3/2013	•	4 1	7	8	0	
5/4/2013		4 1	7	8	0	
5/5/2013	•	4 1	7	8	0	
5/6/2013		4 1	7	8	0	
5/7/2013		4 1	7	8	0	
5/8/2013		4 1	7	8	0	
5/9/2013		4 1	7	8	0	
5/10/2013		4 1	7	8	0	
5/11/2013		4 1	7	8	0	
5/12/2013		4 1	7	8	0	
5/13/2013		4 1	7	8	0	
5/14/2013		4 1	7	8	0	
5/15/2013	•	4 1	7	8	0	
5/16/2013	•	4 1	7	8	0	
5/17/2013		4 1	7	8	0	
5/18/2013	•	1	7	8	0	
5/19/2013		4 1	7	8	0	
5/20/2013		4 1	7	8	0	
5/21/2013		5 1	8	8	0	bp
5/22/2013	,	5 1	8	8	0	
5/23/2013		5 1	8	8	0	
5/24/2013		5 1	8	8	0	
5/25/2013		5 1	8	8	0	
5/26/2013	,	5 1	8	8	0	
5/27/2013		5 1	8	8	0	
5/28/2013	,	5 1	8	8	0	shut in
5/29/2013		3 2	1	0	0	opened up
5/30/2013	;	5 1	8	8	0	
5/31/2013	:	5 1	8	8	0	

Total 240

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W413 Pancake 1-9 North Goodland Goodland None June-13

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
6/1/2013		5 1	8	8	0	
6/2/2013		5 1	8	8	0	
6/3/2013		5 1	8	8	0	
6/4/2013		5 1	8	8	0	
6/5/2013		5 1	8	8	0	
6/6/2013		5 1	8	8	0	
6/7/2013		5 1	8	8	0	
6/8/2013		5 1	8	8	0	
6/9/2013		5 1	8	8	0	
6/10/2013		5 1	8	8	0	
6/11/2013		5 1	8	8	3	
6/12/2013		5 1	8	9	0	
6/13/2013		5 1	8	9	0	
6/14/2013		5 1	8	8	0	
6/15/2013		5 1	8	8	0	
6/16/2013		5 1	8	8	0	
6/17/2013		5 1	8	8	0	
6/18/2013		5 1	8	8	0	
6/19/2013		5 1	8	7	0	
6/20/2013		5 1	8	7	0	
6/21/2013		5 1	8	7	0	
6/22/2013		5 1	8	7	0	
6/23/2013		5 1	8	7	0	
6/24/2013		5 1	8	7	0	
6/25/2013		5 1	8	7	0	
6/26/2013		5 1	8	7	0	
6/27/2013		5 1	8	7	0	
6/28/2013		5 1	8	7	0	cal
6/29/2013		5 1	8	7	0	
6/30/2013		5 1	8	7	0	
7/1/2013					0	

Total 230

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