KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Instruct	tions on Rev	rerse Side))				
□ Ор	en Flov	N Z	SI		Total Data				ADI	No. 45			
	liverabi				Test Date 10/1/14):				No. 15 -20409-00	000		
Company Rosewoo		sou	rces, Inc.				Lease Duell				11-28	Well Number 8	
			Section 28				RNG (E/ 39W	W)		Acres Attributed 80			
Field Goodlan	d					Reservoir Niobrara				hering Conn Systems In			
Completion 5/30/20		е		<u> </u>	Plug Bac 1190'	Plug Back Total Depth 1190'				et at			
Casing S 4 1/2"	ize		Weigh 10.5#		Internal Diameter Set at 4.000 1190.53'			Perfo 970'	rations	то 1004'	το 1004'		
Tubing Si	ze		Weigl	nt	Internal D	Internal Diameter Set at				rations	То	_	
Type Con Single (Type Flui Dry Ga	d Production	n	-	Pump Ur flowing	nit or Traveling	g Plunger? Yes	No	
Producing	•	(Anı	nulus / Tubin	9)	% C	% Carbon Dioxide				en	Gas G	Gas Gravity - G	
Vertical D)				Pressure Taps						Run) (Prover) Si	
Pressure	- Buildu	o: :	Shut in 9-3	30	14 at 2	Flan	-	Taken_10)-1		14 _{at} 2:45	(AM) (FN	
Well on L	•		Started 10-	.1	0 14 at 2		(AM)(PM)	Taken 10)-2		14 at 3:35	(AM) (PM	
						OBSERVE	D SURFACE	E DATA			Duration of Shut	t-in_24H	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Press psig (Pm)	Pressure Differentiat in Inches H ₂ 0	al Temperature Tempera		ture (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c)		Duration (Hours)	Liquid Produce (Barrels)	
Shut-In			paig (Fili)	mones n ₂ 0			9 psig	23.4	psig	psia			
Flow		_					5	19.4			24		
		_			- 1	FLOW STR	REAM ATTR	BUTES					
Plate Coeffiecient (F _b) (F _p) Mcfd		Meter or Extens		Press Extension ✓ P _m xh	Gravity Factor F		Flowing Temperature Factor F _{ri}	Deviation Factor F _{pv}		Metered Flor R (Mcfd)	w GOR (Cubic F Barrel	eet/ Fluid	
										15			
					`		'ERABILITY				-) ² = 0.207	
(P _c) ² =		<u>-:</u>	(P _w) ² =	Choose formula 1 or 2	P _d =		1	<u>-</u> 14.4) +	7			1) ² =	
(P _e) ² - (I or (P _e) ² - (I	P _a) ²	(F	P _c) ² - (P _w) ²	 P_c² - P_s² P_c² - P_c² divided by: P_c² - P_w 	LOG of formula 1, or 2, and divide	P _c ² - P _w ²	Slop 	ssure Curve pe ≈ "n" · or~ signed ard Slope	. nx	LOG	Antilog	Open Flow Deliverability Equals R x Ant (Mcfd)	
				w				_' 					
							2 1				Marid @ 14 CC m		
Open Flo	_			Mcfd @ 14.	<u> </u>		Deliverab				Mcfd @ 14.65 ps		
		-	-	on behalf of the aid report is true						ecember	ort and that he h	, 20 <u>14</u>	
				· 			HITA				Marte	ides	
			Witness	(if any)					• –	For	Company		
			For Com	mission		EB 23	۷UIJ -			Che	ecked by		

RECEIVED

· · · · · · · · · · · · · · · · · · ·	enalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
	g pressure information and statements contained on this application form are true and
correct to the best of r	ny knowledge and belief based upon available production summaries and lease records
of equipment installati	on 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
gas well on the ground	ds that said well:
(Check one	s)
` ==	a coalbed methane producer
\ \	cycled on plunger lift due to water
	a source of natural gas for injection into an oil reservoir undergoing ER
물	on vacuum at the present time; KCC approval Docket No
=======================================	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: 12/16/14	
t.	CC WICHITASignature: Januel Martiney
Ţ	
	FEB 2 3 2015 Title: Production Assistant
	RECEIVED

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.

W2185

Diell M-28%

North Goodland

Goodland

None

September-14

	Casing			H	RS	REMARKS
DATE	PSI	STATIC	MCF	D	OWN	(Maximum length 110 characters)
9/1/2014		5	18	15	0	
9/2/2014		5	18	15	0	
9/3/2014		5	18	15	0	
9/4/2014		5	18	15	0	
9/5/2014		5	18	15	0	
9/6/2014		5	18	15	0	
9/7/2014		5	18	15	0	
9/8/2014		5	18	15	0	
9/9/2014		5	18	15	0	
9/10/2014		5	18	15	0	
9/11/2014		5	18	15	0	
9/12/2014		5	18	15	0	
9/13/2014		5	18	15	0	
9/14/2014		5	18	15	0	
9/15/2014		5	18	15	0.5	
9/16/2014		5	18	15	0	
9/17/2014		5	18	15	0	
9/18/2014		5	18	15	0.5	
9/19/2014		5	18	15	0	
9/20/2014		5	18	15	0	
9/21/2014		5	18	15	0	
9/22/2014		5	18	15	0	
9/23/2014		5	18	15	0	
9/24/2014		5	18	15	0	
9/25/2014		5	18	15	0	
9/26/2014		5	18	15	0	
9/27/2014		5	18	15	0	
9/28/2014		5	18	15	0	
9/29/2014		5	18	15	0	
9/30/2014		5	18	15	0	shut in for state
10/1/2014		0	0	0	0	opened up

Total 450

KCC WICHITA FEB 2 3 2015 RECEIVED W2185

North Goodland

Goodland

None

ì

October-14

	Casing			HR		REMARKS
DATE	PSI	STATIC	MCF	DC)WN	(Maximum length 110 characters)
10/1/2014		9 2	2	0	24	opened up
10/2/2014		5 1	8	15	0	
10/3/2014		5 1	8	15	0	
10/4/2014		5 1	8	15	0	
10/5/2014		5 1	8	15	0	
10/6/2014		5 1	8	15	0	
10/7/2014		5 1	8	15	0	
10/8/2014		4 1	7	19	0	
10/9/2014		5 1	8	15	0	
10/10/2014		5 1	8	15	0	
10/11/2014		5 1	8	15	1	
10/12/2014		5 1	8	15	0	
10/13/2014		5 1	8	15	0	
10/14/2014		5 1	8	15	0	
10/15/2014		5 1	8	15	0	
10/16/2014		5 1	8	15	1	
10/17/2014		5 1	8	15	0	
10/18/2014		5 1	8	15	0	
10/19/2014		5 1	8	15	0	
10/20/2014		5 1	8	15	0	
10/21/2014		5 1	8	15	0	
10/22/2014		5 1	8	15	0	
10/23/2014		5 1	8	15	0	
10/24/2014		5 1	8	15	0	
10/25/2014		5 1		15	0	
10/26/2014		5 1	8	15	0	
10/27/2014		5 1	8	15	0	
10/28/2014		5 1	8	15	0	
10/29/2014		5 1	8	15	0	bp
10/30/2014		5 1	8	15	0	
10/31/2014		5 1	8	15	0	

Total 454

KGC WICH!TA FEB 23 2015 RECEIVED

W2185



North Goodland

Goodland

None

November-14

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN	Į	(Maximum length 110 characters)
11/1/2014	;	5 18	;	15	0	
11/2/2014	:	5 18	;	15	0	
11/3/2014	:	5 18	;	15	0	
11/4/2014	;	5 18	}	15	0	
11/5/2014	;	5 18	;	15	0	
11/6/2014	:	5 18	}	15	0	
11/7/2014	;	5 18	}	16	0	
11/8/2014	:	5 18	;	16	0	
11/9/2014	;	5 18	;	16	0	
11/10/2014	:	5 18	}	16	0	
11/11/2014	:	5 18	;	15	0	
11/12/2014	4	17	•	17	0	
11/13/2014	4	17		13	0	
11/14/2014	4	1 17	•	16	0	
11/15/2014	4	17		13	0	
11/16/2014	4	1 17		9	0	
11/17/2014	4	17		11	0	
11/18/2014	4	17		12	0	
11/19/2014	4	1 17		18	0	
11/20/2014	4	17		18	0	
11/21/2014	4	1 17		17	0	
11/22/2014	4	17		17	0	
11/23/2014	4	17		16	0	
11/24/2014	4	17		16	0	
11/25/2014	4	17		14	1.5	bp
11/26/2014	4	17		16	0	
11/27/2014	4	17		17	0	
11/28/2014	4	17		17	0	
11/29/2014	4	17		16	0	
11/30/2014	4	17		16	0	
12/1/2014					0	

Total 458

KCC WICHITA FEB 23 2015 RECEIVED