KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	it:	A-T		('See Instruc	tions on Re	verse Side)					
Op	pen Flow	BSI						• •					
	eliverabilty			7est Date 6/2/201		_	_		No. 15 1-20461-01-	00			
Company Rosewo		urces, Inc.				Lease C. Ihrig]			32-21	Well Nu I H	mber	
County Location Sherman SWNE/			Section 21				RNG (E 39W	(W)		Acres Attributed 80			
				Reservoir Gas Gathering Connection Niobrara Branch Systems Inc.							_ -		
Completi 9/13/20			_	Plug Bac 3264'	k Total Dep	th		Packer S	Set at			_ _	
Casing S 4 1/2"	Size	Weight 10.5#		Internal (4.000	Diameter	Set 8		Perfo	orations '9'	 то 3194'	то 3194'		
Tubing S	ize	Weight		Internal Diameter Set at					orations	То			
Type Cor	mpletion (I (Horizor			Type Flui Dry Ga	d Production	n		Pump U	nit or Traveling	Plunger? Yes	No		
Producing	g Thru (A	nnulus / Tubing)			arbon Dioxi	de		% Nitrog	_		ravity - G		
Annulus						sure Taps				6	Dus\ /S	rough C!==	
Vertical E 3292'	 vebru(H)				Flan	•				(Meter 2"	Hun) (Pi	over) Size	
Pressure	Buildup:									15 at 3:25	(AM) (PM)	
Well on L	.ine:	Started 6-2	20	o 15 at 3	:25	(AM)(PM)	Taken 6-	3	20	15 at 4:10	(AM) (PM)	
					OBSERVE	D SURFAC	E DATA			Duration of Shut	_{in} 24	Hour	
Static / Dynamic Property	Dynamic Size Prover Pressure		Pressure Differential in	Flowing Temperature t	Temperature Temperature		Casing Wellhead Pressure (P _w) or (P _t) or (P _p)		Tubing ead Pressure or (P ₁) or (P _c)	Duration (Hours)		i Produced Barrels)	
Shut-In	(inches)	psig (Pm)	Inches H ₂ 0			psig 30	psia	psig	psia				
Flow			 -			7	21.4			24	0		
					FLOW STR	EAM ATTR	IBUTES				· <u> </u>		
Plate Coeffied (F _b) (F Mofd	cient P	Circle one: Meter or rover Pressure psla	Press Extension ✓ P _m x h	Grav Fact	tor	Flowing Temperature Factor F _{f1}	Fa	iation ctor pv	Metered Flor R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
									20				
				•	OW) (DELIV		=') ² = 0.20	07	
(P _c) ² =	 :		noose formula 1 or 2.	P _d =	 `	% (F	² _c - 14.4) +	14.4 =	 -	(P _d)	<u> * =</u>		
(P _c)² - (I or (P _c)² - (I		(P _c) ² - (P _w) ²	1. P _c ² -P _a ² 2. P _c ² -P _d ² ided by: P _c ² -P _a ²	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Slo	ssure Curve oe = "n" - or signed ard Slope	n v	rog	Antilog	Deli Equals	en Flow verability R x Antilog Mcfd)	
			/' c 'w										
							***				<u> </u>		
Open Flor			Mcfd @ 14.			Deliverab	-			Mcfd @ 14.65 ps			
	_	ed authority, on ein, and that said				•			•	ort and that he ha		edge of 20 <u>15 </u>	
		on, who that dan								Ma			
		Witness (if a	ny)					Ll	EMULL FOR	Company		—	
		For Commiss	sion		APR (7 2016			Che	cked by		 -	

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exempt status under Rule K.A.R. 82-3-30 and that the foregoing pressure information	nder the laws of the state of Kansas that I am authorized to request 04 on behalf of the operator Rosewood Resources, Inc.
of equipment installation and/or upon typ	belief based upon available production summaries and lease records to e of completion or upon use being made of the gas well herein named. on from open flow testing for theC. Ihrig 32-21H
is on vacuum at the policy is not capable of proc	lift due to water gas for injection into an oil reservoir undergoing ER resent time; KCC approval Docket No ducing at a daily rate in excess of 250 mcf/D of my ability any and all supporting documents deemed by Commission
KCC WICHITA APR 07 2016 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.

W2270 C. Ihrig 32-21H North Goodland Goodland None June-15

	Casing			Н	RS	REMARKS
DATE	PSI	STATIC	MCF_	D	OWN	(Maximum length 110 characters)
6/1/2015	30	42	}	0	24	
6/2/2015	30	42	<u>:</u>	0	24	
6/3/2015	17	30)	33	0	
6/4/2015	13	26	5	33	0	
6/5/2015	12	25	;	28	0	
6/6/2015	11	24	1	26	0	
6/7/2015	10	23	;	25	0	
6/8/2015	9	22	2	25	0	
6/9/2015	8	21		24	0	
6/10/2015	8	21		23	0	
6/11/2015	8	21		23	0	
6/12/2015	8	20)	22	0	
6/13/2015	8	21		21	4	
6/14/2015	8	20)	23	0	
6/15/2015	8	20)	23	0	
6/16/2015	6	20)	22	0	
6/17/2015	6	20)	21	0	
6/18/2015	6	19)	22	0	
6/19/2015	6	19)	21	0	
6/20/2015	6	20)	21	1	
6/21/2015	6	19)	21	0	
6/22/2015	6	19)	21	0	
6/23/2015	6	19	•	21	0	
6/24/2015	6	19)	20	0	bp
6/25/2015	6	20)	19	2	
6/26/2015	6	19)	21	0	
6/27/2015	6	19)	21	0	
6/28/2015	6	19)	20	0	
6/29/2015	6	19)	20	0	
6/30/2015	6	19)	20	0	
7/1/2015		C)	0	0	

Total 640

KCC WICHITA APR 0.7 2016 RECEIVED W2270

North Goodland

Goodland

None

July-14

Total

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

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KCC WICHITA APR 0.7 2016 (RECEIVED W2270.

C. Ihrig 32-21H

North Goodland

Goodland

None

August-14

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

Total 578

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