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

Type Test:		OKT		(-	See Instruc	tions on Re	verse Side	9)					
		<b>WSI</b>	Test Date	Test Date:				API No. 15					
Deli	verabilty			7/9/201	5	_		023	-21 <u>244-</u> 00 <b>0</b>				
Company Rosewoo	d Reso	urces, Inc.				Lease Neitzel			_	21-20	Well Nun	nber 	
					Section TWP 20 3S			RNG (E/ 40W	W)		Acres Attributed 80		
Field Cherry Cr	reek			Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.					
Completion 9/30/2010				Plug Bac 1444'	k Total Dep	th		Packer S	et at				
Casing Siz	:e	Weigh 10.5#		Internal E 6.366	Diameter	Set a 148		Perfo 122	rations 4'	то 1304'	· -		
Tubing Siz	e	Weigh	t	Internal E	Diameter	Set a	at	Perfo	rations	То	То		
Type Comp				Type Fluid Dry Ga	d Production	n	_	Pump Ur flowing	nit or Traveling	Plunger? Yes	(No)		
Producing	Thru (A	nulus / Tubing	g)	% C	arbon Dioxi	de	<del></del> -	% Nitrog	en	Gas Gr	avity - G		
Annulus										.6			
Vertical De 1495'	pth(H)				Pres Flan	sure Taps ge				(Meter <b>2"</b>	Run) (Pro	over) Size	
Pressure E	Buildup:	Shut in 7-9								15 <sub>at</sub> 3:55	(/	M(PM)	
Well on Lir	ie:	Started 7-1	02	15 at 3:	:55	(AM) (PM)	Taken 7	-11	20	15 at 4:00	(A	M)(PM)	
					OBSERVE	D SURFAC	E DATA		_	Duration of Shut	in_24	Hours	
Static / Dynamic	Static / Orifice Meter Different  Dynamic Size Prover Pressure in		Pressure Differential	Flowing Well Head Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)		Produced arrels)	
Property	(inches)	psig (Pm)	Inches H <sub>2</sub> 0	t	t	psig		psig	psia		┼		
Shut-In				<u> </u>		132	146.4		<u> </u>		<del>                                     </del>		
Flow	Flow			57 71.			71.4	<u> </u>		24	<u> </u>		
			η		FLOW STF	REAM ATTR	IBUTES	<del>-</del>					
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Clicle one:  Meter or  Prover Pressure  psia  Press  Extension  P <sub>m</sub> x ħ		Gravity Factor F <sub>g</sub>		Temperature Fa		viation Metered Flow actor R F <sub>pv</sub> (Mcfd)		w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
			_				<u> </u>	-	10				
			<u> </u>	•	OW) (DELIV		-				) <sup>2</sup> = 0.20	)7	
(P <sub>c</sub> ) <sup>2</sup> ≈	<del>:</del>	(P <sub>w</sub> ) <sup>2</sup> =	Chaose formula 1 or 2	P <sub>d</sub> =	<del></del>	_	<sup>2</sup> <sub>c</sub> - 14.4) -			(P <sub>d</sub> )	) <sup>2</sup> =	<del>_</del> _	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		$(P_c)^2 - (P_w)^2$ 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n"or Assigned Standard Slope		n x LOG		Antilog	Deliv Equals	en Flow verability R x Antilog Mcfd)	
				1			<u>-</u>						
Open Flow			 Mcfd @ 14.	65 psia		Deliveral				Mcfd @ 14.65 ps	ia		
		ed authority o		· ·	states that h			to make th	ne above renr	ort and that he ha		edge of	
	-	•	aid report is true			-			ecember		, 2	o <u>15</u> .	
			-					ZA		Mai	1911	y)	
	<del></del> _	Witness (	if any)	K	CC WI	CHITA		A-CM	For	Company Company	are		
	_	For Comm	nission		PR 07	-			Che	ecked by			

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I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
and that 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
of equipment installation 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 Neitzel 21-20
gas well on the grounds that said well:
(Charle and)
(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
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: 12/18/15
KCC WICHITA Signature:
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## 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.

W2746 Neitzel 21-20 15 VI

St. Francis

St. Francis

Flow

July-15

FloBoss

DATE         PSI         PSI         STATIC         MCF         SPM         CYCLE         DOWN         BBLS         (Maximum legation)           7/1/2015         58         71         11         0           7/3/2015         57         70         11         0           7/4/2015         57         70         11         0           7/5/2015         57         70         11         0           7/6/2015         57         70         11         0           7/6/2015         57         70         11         2	EMARKS ength 110 characters)
DATE         PSI         PSI         STATIC         MCF         SPM         CYCLE         DOWN         BBLS         (Maximum legation of the property)           7/1/2015         58         71         11         0           7/3/2015         57         70         11         0           7/4/2015         57         70         11         0           7/5/2015         57         70         11         0           7/6/2015         57         70         11         2	ength 110 characters)
7/2/2015       58       71       11       0         7/3/2015       57       70       11       0         7/4/2015       57       70       11       0         7/5/2015       57       70       11       0         7/6/2015       57       70       11       2	
7/3/2015     57     70     11     0       7/4/2015     57     70     11     0       7/5/2015     57     70     11     0       7/6/2015     57     70     11     2	
7/4/2015       57       70       11       0         7/5/2015       57       70       11       0         7/6/2015       57       70       11       2	
7/5/2015 57 70 11 0 7/6/2015 57 70 11 2	
7/6/2015 57 70 11 2	
7/7/2015 57 70 11 0	
7/8/2015 57 70 11 16	
7/9/2015 132 145 <b>0</b> 24	
7/10/2015 173 186 0 14	
7/11/2015 122 135 16 0	
7/12/2015 81 94 12 0	
7/13/2015 68 81 12 0	
7/14/2015 58 71 11 0	
7/15/2015 59 72 11 0	
7/16/2015 57 70 11 0	
7/17/2015 57 70 11 0	
7/18/2015 56 69 11 0	
7/19/2015 56 69 11 0	
7/20/2015 55 68 11 0	
7/21/2015 60 73 11 2	
7/22/2015 56 69 11 0	
7/23/2015 56 69 11 0	
7/24/2015 55 68 11 0	
7/25/2015 55 68 11 0	
7/26/2015 55 68 11 0	
7/27/2015 55 68 11 0	
7/28/2015 55 68 11 0	
7/29/2015 55 68 11 0	
7/30/2015 55 68 11 0	
7/31/2015 55 68 11 0	

330 Total

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W2746 Neitzel 21 20

St. Francis

St. Francis

Flow

August-15

FloBoss

	Tubing	Casing				_	HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
8/1/2015		47	60	22			l	) —	
8/2/2015		58	71	11			(	)	
8/3/2015		56	69	11				0	
8/4/2015		55	68	11			(	)	
8/5/2015		55	68	11			ı	)	
8/6/2015		55	68	11			(	C	
8/7/2015		54	67	11			(	C	
8/8/2015		55	68	11			(	C	
8/9/2015		56	69	11			(	0	
8/10/2015		56	69	11			(	0	
8/11/2015		59	72	11			(	0	
8/12/2015		59	72	11				0	
8/13/2015		60	73	10	)			0	
8/14/2015		60	73	10			(	0	
8/15/2015		60	73	10			(	0	
8/16/2015		61	74	10	)		(	0	
8/17/2015		61	74	10	1		(	0	
8/18/2015		60	73	10	1			0	
8/19/2015		60	73	10	ì			0	
8/20/2015		60		10	)			0	
8/21/2015		60		10	)			0	
8/22/2015		60	73	10	)			0	
8/23/2015		60	73	10	)			0	
8/24/2015		60	73	10				0	
8/25/2015		61	74	10				0	
8/26/2015		61	74	10	1			0	
8/27/2015		61	74	10	)			0	
8/28/2015		61	74					0	
8/29/2015		61	74					0	
8/30/2015		61	74	10	)			4	
8/31/2015		61	74					0	

Total 333 0

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W2746

Nefizal 21120 44

St. Francis

St. Francis

Flow

September-15

FloBoss

FloBoss							Ima	117-4-	DEL (A DVC
D.A.TEE	Tubing	Casing	OT A THO	MOT	CDM 4	CVCI E	HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
9/1/2015		56			10			0	
9/2/2015		56			10			0	
9/3/2015		58			10			0	
9/4/2015		58			10			0	
9/5/2015		66			10			0	
9/6/2015		66	5 79	)	10			0	
9/7/2015		64	7	7	10			0	
9/8/2015		64	7	7	10			0	
9/9/2015		57	70	)	10			0	
9/10/2015		57			10			0	
9/11/2015		57			10			0	
9/12/2015		57			10			0	
9/13/2015		57			10			0	
9/14/2015		57		)	10			0	
9/15/2015		57		)	10			0	
9/16/2015		51	70	)	10			0	
9/17/2015		57	7 70	)	10			0	
9/18/2015		57	7 70	)	10			0	
9/19/2015		57	70	)	10			0	
9/20/2015		57	70	)	10			0	
9/21/2015		57	70	)	10			0	
9/22/2015		57	7 70	)	10			0	
9/23/2015		57	7 70	)	10			0	
9/24/2015		57	70	)	10			0	
9/25/2015		57	70	)	10			0	
9/26/2015		57	7 70	)	10			0	
9/27/2015		57	7 70	)	10			0	
9/28/2015		51	7 70	)	10			0	
9/29/2015		57	70	)	10			0	
9/30/2015		57	70	)	10			0	
10/1/2015			13	3				0	<u></u>

Total 300 0

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