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

Type Test	:			(	See Instruct	tions on Re	verse Side	<del>)</del> )				
□ Ор	en Flow	NOT		Took Date				ADL	No. 15			
De De	liverabilty			Test Date 6/22/14	∌:				งง. 15 20666-00 <b>₽</b>	ð		
Company		urces, Inc.				Lease Heim				31-33	Well No	umber
				Section 33				RNG (E/V 42W	V)		Acres Attributed 80	
-					Reservoir Niobrara				ering Conn Systems In			
Completic 3/29/200				Plug Bac 1799'	k Total Dept	th	_	Packer Se	et at			
Casing Size Weight 4 1/2" 10.5#			Internal E 4.052	Diameter		Set at 1799.86'		ations	To 1648'	To 1648'		
Tubing Si	ze	Weig	ht	Internal [	Internal Diameter Set at			Perfor	ations	То	То	
Type Con Single (				Type Flui Dry Ga	d Production	n		Pump Uni Pumpir	t or Traveling	Plunger? Yes	No	
<u>-</u>	Thru (A	nnulus / Tubir	ng)		Carbon Dioxi	de		% Nitroge		Gas G	ravity -	G <sub>g</sub>
Vertical D					Pres	sure Taps					Run) (F	Prover) Size
1614'					Flan	ge				2"		
Pressure	Buildup:									14 <sub>at</sub> 2:10		(AM) (PM)
Well on L	ine:	Started 6-2	222	0 14 at 2	:10	(AM) (PM)	)Taken <u>6</u> -	-23	20	14 <sub>at</sub> 2:55		(AM) (M)
-				_	OBSERVE	D SURFAC	E DATA			Duration of Shut	t-in _36	0Hours
Static / Dynamic	atic / Orifice   Meter   Difference   Differ		Differential	ntial Temperature 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)	,	id Produced (Barrels)
Property Shut-In	(inches)	psig (Pm)	Inches H <sub>2</sub> 0		t	psig 142	psia 156.4	_psig	psia		-	<u>_</u>
Flow	_	_	_			53	67.4		<del> -</del>	360	+	
			<del>-</del> -	_	FLOW STR	REAM ATTE	IBUTES					
Plate Coeffied (F <sub>b</sub> ) (F Mcfd	ient p) F	Circle one: Meter or Prover Pressure psia	Press Extension	Grav Fac	tor	Flowing Temperature Factor F <sub>f1</sub>	Fa	riation actor F <sub>pv</sub>	Metered Flov R (Mcfd)	w GOR (Cubic F Barrel	eet/	Flowing Fluid Gravity G <sub>m</sub>
									37			
(P <sub>c</sub> ) <sup>2</sup> =		(P <sub>w</sub> ) <sup>2</sup>		•	OW) (DELIV		') CALCUI P。 • 14.4) +				) <sup>2</sup> = 0.2 ) <sup>2</sup> =	
(P <sub>c</sub> ) <sup>2</sup> - (I	P <sub>a</sub> ) <sup>2</sup>	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2  1. Pc² - Ps²  2. Pc² - Pg²  divided by: Pc² - Pw	LOG of formula 1. or 2. and divide		Backpre Slo	essure Curve pe = "n" - or ssigned dard Slope	e n x L	og [	Antilog	O De	Open Flow pliverability is R x Antilog (Mcfd)
Open Flo	w		Mcfd @ 14	.65 psia_		Delivera	oility			Mcfd @ 14.65 p	sia	
										ort and that he h	ias knov	wledge of
ine facts s	tated ther	ein, and that :	said report is tru							Mosti	, 101	
		Witness	(if any)	KANSAS CO	Received	COMMISSION	J	<u>MIM</u>	For	COMPANY	we f	V
					EB 25 2					cked by		
		FORCOM	nmission	ų L	ا ل ) ساحت				Olle	a by		

CONSERVATION DIVISION WICH!TA, KS

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 Heim 31-33
gas well 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
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: _12/10/14
Date
Received KANSAS CORPORATION COMMISSION FEB 2 5 2015  CONSERVATION DIVISION WICHITA, KS  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.

W436 Heim 31-33 West St. Francis St. Francis None June-14

	Casing					HRS	Water	REMARKS
DATE	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
6/1/2014	4	7 7	70 52	? 6	24		41	
6/2/2014	7	0 8	3 52	2 6	24	0	42	
6/3/2014	(	4 7	7 52	2 6	24	0	41	
6/4/2014	8	34 9	7 4:	l 6	24	0	40	
6/5/2014	4	8 6	1 43	3 6	24	0	41	
6/6/2014	4	61	4 39	) 6	12	0	20	shut pumping unit off hfp
6/7/2014	13	2 14	5 25	3		9	ı	
6/8/2014	12	3 13	6 (	)		24		
6/9/2014	13	0 14	3 (	)		24	-	
6/10/2014	13	0 14	.3 (	)		24		
6/11/2014	13	2 14	.5 (	)		24	ļ	
6/12/2014	13	2 14	.5 (	)		24	,	
6/13/2014	13	4 14	7 (	)		24		
6/14/2014	13	6 14	9 (	)		24		
6/15/2014	13	6 14	.9 (	)		24	•	
6/16/2014	13	9 15	2 (	)		24	ļ.	
6/17/2014	13	9 15	2 (	)		24	ļ	
6/18/2014	14	1 15	4 (	)		24	Ļ	
6/19/2014	14	2 15	5 (	)		24		
6/20/2014	14	2 15	5 (	)		24	•	
6/21/2014	14	2 15	5 (	)		24	ļ	
6/22/2014	14	2 15	5 (	)		24	Ļ	
6/23/2014	1	.8 13	1 32	2		5	;	
6/24/2014	11	.3 12	6 32	2		0	)	
6/25/2014	10	0 11	3 40	)		0	)	
6/26/2014	ģ	2 10	5 62	2		0	)	
6/27/2014	8	37 10	0 49	)		0	)	
6/28/2014		64 6	7 4:	5 6	12	. 0	0	started pumping unit
6/29/2014	:	53 6	i6 4:	2 6	5 12	. 0	21	
6/30/2014	4	51 6	4 4	i 6	12	0	20	
7/1/2014						0	)	

Total 647 266

Received KANSAS CORPORATION COMMISSION

FEB 2 5 2015

CONSERVATION DIVISION WICHITA, KS

W436 Heim 31-33 West St. Francis St. Francis None July-14

	Casing					HRS	Water
DAT <u>E</u>	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS
7/1/2014	54	67	39		<u> </u>	0	
7/2/2014	53	66	37			0	
7/3/2014	53	66	37			0	
7/4/2014	53	66	37			0	
7/5/2014	67	70	35			0	
7/6/2014	67	70	35			0	
7/7/2014	68	81	33			0	
7/8/2014	58	71	32			0	
7/9/2014	58	71	32			0	
7/10/2014	59	72	32			0	
7/11/2014	60	73	31			0	
7/12/2014	60	73	31			0	
7/13/2014	61	74	32			0	
7/14/2014	72	85	30	(	5 12	0	2
7/15/2014	50	63	30	(	5 12	0	2
7/16/2014	50	63	31	(	6	0	
7/17/2014	51	64	30	(	6	0	1
7/18/2014	51	64	30	(	5 6	0	1
7/19/2014	49	62	29	(	6	0	1
7/20/2014	49	62	29	(	5 6	0	1
7/21/2014	114	127	29	(	5 3	0	
7/22/2014	129	142	5	(	5 0	22	
7/23/2014	82	95	29	(	6 0	7	
7/24/2014	58	71	33	•	5 0	3	
7/25/2014	48	61	29	(	6	4	
7/26/2014	50	63	30	•	5 12	0	
7/27/2014	51	64	37	(	5 24	0	4
7/28/2014	43	56	42	(	5 24	0	4
7/29/2014	41	54	42	(	5 24	0	4
7/30/2014	38	51	39	•	5 16	0	2
7/31/2014	42	55	39		5 24	0	4

Total 1006 283

Received KANSAS CORPORATION COMMISSION

FEB 2 5 2015

CONSERVATION DIVISION WICHITA, KS

W436 Heim 31-33 West St. Francis St. Francis None August-14

	Tubing	Casing						HRS	Water
DATE	PSI	PSI	STATIC	MCF	SPM		CYCLE	DOWN	BBLS
8/1/2014		40	53	40	<del></del> _	6	24	0	3
8/2/2014		40	53	40	)	6	24	0	39
8/3/2014		39	52	4	)	6	24	0	4
8/4/2014		53	66	39	7	6	24	0	3
8/5/2014		53	66	38	3	6	24	0	3
8/6/2014		53	66	38	3	6	24	0	3
8/7/2014		55	68	39	•	6	24	0	4
8/8/2014		56	69	40	)	6	24	0	3
8/9/2014		56	69	40	)	6	24	0	3:
8/10/2014		57	70	39	)	6	12	0	1:
8/11/2014		55	68	33	3	6	12	0	2
8/12/2014		53	66	34	1	6	12	0	2
8/13/2014		38	51	3:	5	6	12	0	2
8/14/2014		38	51	3:	5	6	12	0	2
8/15/2014		43	56	32	2	6	12	3	1.
8/16/2014		36	49	30	)	6	12	0	1
8/17/2014		36	49	30	)	6	12	0	1
8/18/2014		37	50	32	2	6	12	0	1
8/19/2014		49	62	32	2	6	12	2	1
8/20/2014		44	57	32	2	6	12	0	1
8/21/2014		39	52	33	3	6	12	0	1
8/22/2014		55	68	3:	5	6	12	0	1
8/23/2014		50	63	3:	5	6	12	0	1
8/24/2014		52	65	35	5	6	12	0	1
8/25/2014		64	77	30	5	6	12	0	2
8/26/2014		54	67	30	5	6	12	0	3
8/27/2014		57	70	36	5	6	12	0	3
8/28/2014		51	64	3′	7	6	6	0	1
8/29/2014		50	63	32	2	6	6	5	1
8/30/2014		50	63	32	2	6	12	0	1
8/31/2014		63	76	38	2	6	12	0	1

Total 1103 801

Received KANSAS CORPORATION COMMISSION

FEB 2 5 2015

CONSERVATION DIVISION WICHITA, KS