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

Type Test		DIST		(	See Instruct	tions on Re	verse Side	9)					
= :	en Flow			Test Date	e:			AP	l No. 15				
	liverabilty	•	· · · · · · · · · · · · · · · · · · ·	6/1/201	5			023	3-20666-00 <b>(</b>	<u> </u>			
Company Rosewoo		urces, Inc.				Lease Heim				31-33	Well Num	ber	
County Cheyenr	ne	Locat NW NWNE		Section 33		TWP 2S		RNG (E 42W	/W)		Acres Attributed 80		
Field Cherry C	Creek			Reservoi Niobrara					Gas Gathering Connection Branch Systems Inc.				
Completic 3/29/200				Plug Bac 1799'	k Total Dept	th	·	Packer	Set at		-		
Casing Si 4 1/2"	ize	Weigh 10.5#		Internal ( 4.052	Diameter	Set :	at 9.86'	Perfo	orations 6'	To 1648'			
Tubing Si	ize	Weigt	nt	Internal [	Diameter	Set		Perf	orations	То			
Type Con Single (				Type Flui	d Production	n	. —		nit or Traveling	Plunger? (Yes	) No		
	Thru (A	nnulus / Tubin	g)		arbon Dioxi	de		% Nitrog			avity - G		
Vertical D		<del></del>			Pres	sure Taps				.6 (Meter)	Run) (Pro	ver) Size	
1614'	- Cpun(in)				Flan	•				2"			
Pressure	Buildup:	Shut in 6-1		o 15 at 1		(AM)(PM)				15 at 2:10	(A	M)(PM)	
Well on L	ine:	Started 6-4	2	0 <u>15</u> at <u>2</u>	:10	(AM) (PM)	)Taken <u>6-</u>	5	20	15 at 2:55	(A	M) (M)	
		·T	_ <del></del> .	Γ	OBSERVE	D SURFAC				Duration of Shut-	96	Hours	
Static / Orifice Dynamic Size Property (inches		Circle one:  Meter  Prover Pressi psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	Wellhead (P <sub>w</sub> ) or (F	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia		Tubing ead Pressure or (P <sub>1</sub> ) or (P <sub>c</sub> )	Duration (Hours)		Produced trels)	
Shut-In		poig (i iii)	THORICS TI <sub>2</sub> 0				111.4	psig	psla				
Flow						50	64.4			96			
		_			FLOW STR	EAM ATTR	BUTES						
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension ✓ P <sub>m</sub> xh	Grav Fact	tor T	emperature Fa		iation Metered Flo ctor R F <sub>PV</sub> (Mcfd)		w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
									40				
				•	OW) (DELIV		•				²= 0.207	7	
(P <sub>c</sub> ) <sup>2</sup> =	<del></del> :	(P <sub>w</sub> ) <sup>2</sup> =	Choose formula 1 or 2	P <sub>d</sub> ≃	<del></del>	% (F	° - 14.4) +	14.4 = _	;	(P <sub>d</sub> )	<sup>2</sup> =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		$(P_c)^2 - (P_w)^2$ 1. $P_c^2 - P_a^2$ 2. $P_a^2 - P_d^2$		LOG of formula 1, or 2, and divide	formula 1, or 2, and divide   P2_P2		ssure Curve pe = "n" - or signed	n x 106		Antilog	Delive Equals F	n Flow erability R x Antilog	
_			divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	by:	<u> </u>	Stand	ard Slope	_			,,,,,	/	
							-						
Open Flov	N		Mcfd @ 14.	65 psia		Deliverat	ility			Mcfd @ 14.65 psi	ia		
The u	ındersign	ed authority, o	n behalf of the	Company, s	tates that h	e is duly at				ort and that he ha	ıs knowle	dge of	
the facts st	ated ther	ein, and that s	aid report is true	and correc	t. Executed	this the 2	<u> </u>	day of	ecember	4 /	, 20	15	
		Witness (	f anv)	K	CC W	CHIT		200	Ullle	Company Dill	uli	ing	
	<del>-</del>	For Comm			APR-07	2016 -		<del></del>		cked by	<del></del>		
		, or conni							Cne	unde by			

RECEIVED

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: 12/21/15
KCC WICHITA Signature: Junual Martines  APR 07 2016 Title: Production Assistant

## 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

WELL ID

Heim 31-33

LEASE NAME

West St. Francis FIELD

St. Francis

AREA

None

**EQUIPMENT** 

June-15

DATE

	Line	Casing						HRS	Water	REMARKS
DATE	_ PSI	_PSI	_STATIC	_MCF	SPM		CYCLE	DOWN	BBLS	(Maximum length 110 characters)
6/1/2015		77 7	7, 9	0	0	0		24	0	
6/2/2015	8	86 8	6 9	9	0	0	0	24	Û	
6/3/2015	9	3 9	3 10	6	0	0	0	24	0	
6/4/2015	9	97 9	7 11	0	0	0	0	24	0	
6/5/2015	g	94 9	4 10	7	42	0	0	0	0	
6/6/2015	8	34 8	34 9	7	36	6	6	0	0	turn on p u
6/7/2015	7	77 7	7 9	0	41	6	12	0		
6/8/2015	ć		59 8	2	48	6	12	0	25	
6/9/2015	3	6 5	6' 6	9	50	6	12	0	24	
6/10/2015	5	54 5	64, 6	7	45	6	12	0	25	
6/11/2015	5	53 5	3 6	6	44	6	12	0	23	
6/12/2015	4	52 5	52! 6	5	43	6	12	0	24	
6/13/2015	5	51 5	1 6	4 .	42	6	12	0	24	
6/14/2015	5	51 5	1 6	4 .	42	6	12	0	24	
6/15/2015	5	51 5	61, 6	4	41	6	6	0	17	
6/16/2015	4	51 5	6	4	39	6	6	0	8	reset pu
6/17/2015	5	50 5	i0 <sup>(</sup> 6	3 .	39	6	12	0	22	•
6/18/2015	5	52 5	2 6	5	38	6	12	0	20	
6/19/2015	6	i3 6	3 7	6	33	6	6	2	12	
6/20/2015	ŧ	$\epsilon$ 2 $\epsilon$	52, 7	5	8	6	0	22		
6/21/2015	8	34 8	4, 9	7	16	6	0	0		
6/22/2015	ŧ	54 <del>6</del>	i4 i 7	7	48	6	6	0	12	restarted pu
6/23/2015	4	19 4	9 6	2	43	6	12	0	24	-
6/24/2015	4	50 5	i0' 6	3	42	6	12	0	24	
6/25/2015	4	50 5	i0 6	3 .	41	6	12	0	24	
6/26/2015	4	50 5	6 0	3	40	6	12	0	24	
6/27/2015	4	19 4	9 6	2	40	6	12	0	23	
6/28/2015	5	50 5	0 6	3 .	39	6	12	0	24	
6/29/2015	4	50 5	6 0	3	39	6	12	0	24	
6/30/2015	4	50 5	60,	3	39	6	12	0	24	
7/1/2015	-1	3 -1	3	0	0			0		

1018 475 Total

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W436

WELL ID

Heim 31-33 11 LEASE NAME

West St. Francis FIELD

St. Francis

AREA **EQUIPMENT** 

None July-15

DATE

	Line	Casin	ıg							HRS		Water	REMARKS
DATE	PSI	PSI		STATIC	MCF	S	PM		CYCLE	DOWN		BBLS	(Maximum length 110 characters)
7/1/2015		50	50	63	_	39		6	12		0	24	
7/2/2015		50	50	63		39		6	12		0	24	
7/3/2015		50	50	63		39		6	12		0	24	
7/4/2015		50	50	63		38		6	12		0	24	
7/5/2015		50	50	63		38		6	12		0	24	
7/6/2015		57	57	70		37		6	12		2	22	
7/7/2015		49	49	62		39		6	12		0	24	
7/8/2015		49	49	62		38		6	6	1	6	12	Shut pu off for comp work
7/9/2015		58	58	71		2		6	0	2	24	0	
7/10/2015		96	96	109		0		6	0	1	4	0	
7/11/2015		92	92	105		11		6	0		0	0	
7/12/2015		81	81	94		41		6	0		0	0	
7/13/2015		71	71	84		51		6	6		0	12	restarted rod heavy big time
7/14/2015		53	53	66		45		6	12		0	24	
7/15/2015		50	50	63		42		6	12		0	24	
7/16/2015		50	50	63		41		6	12		0	24	
7/17/2015		50	50	63		40		6	12		0	24	
7/18/2015		50	50	63		40		6	12		0	24	
7/19/2015		49	49	62		40		6	12		0	24	
7/20/2015		49	49	62		40		6	12		0	24	
7/21/2015		59	59	72		36		6	12		4	24	
7/22/2015		50	50	63		40		6	12		0	24	
7/23/2015		49	49	62		38		6	12		0	24	
7/24/2015		49	49	62		36		6	12		0	24	
7/25/2015		49	49	62		35		6	12		0	24	
7/26/2015		48	48	61		34		6	12		0	24	
7/27/2015		48	48	61		34		6	6		0	12	reset panel
7/28/2015		48	48	61		33		6	0		0	0	-
7/29/2015		47	47	60		33		6	6		0	12	not working, beat on drive, auto started wor
7/30/2015		47	47	60		36		6	12		0	12	<del>-</del>
7/31/2015		48	48	61		38		6	12		0	12	•

1093 550 Total

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W436 WELL ID HEMB1333 MILEASE NAME

West St. Francis FIELD

St. Francis

AREA

None

EQUIPMENT

August-15

DATE

	Line	Casing						HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM		CYCLE	DOWN	BBLS	(Maximum length 110 characters)
8/1/2015	4	18	48 6	1 3	39	6	6		) 12	
8/2/2015	4	19	49 6	2 :	39	6	0	(	) (	)
8/3/2015	4	19	49' 6	2 3	36	6	0		) (	)
8/4/2015	4	18	48 6	1 3	34	6	6		3 (	reset panel
8/5/2015	4	18	48 6	1 3	37	6	12	1	) 24	Ļ
8/6/2015	4	18	48 6	1 3	39	6	12	1	0 24	<b>.</b>
8/7/2015	4	48	48 6	1 3	39	6	12	1	0 24	<b>.</b>
8/8/2015	4	48	48 6	1 3	38	6	12	1	0 24	<b>L</b>
8/9/2015	4	48	48 6	1 3	38	6	12	1	0 24	ļ.
8/10/2015	4	18	48 6		38	6	12	1	0 24	
8/11/2015	4	48	48 6	1 3	38	6	12		0 24	Į.
8/12/2015	4	48 ·	48 6	1 3	38	6	12		0 24	Į.
8/13/2015	4	19	49 6	2 3	37	6	12		0 24	<b>L</b>
8/14/2015	4	19	49 6	2 3	37	6	12		0 24	l .
8/15/2015		50	50 6	3 3	37	6	12		0 24	l .
8/16/2015	:	51	51 6	4 3	36	6	12		0 24	ļ
8/17/2015	4	49	49 6	2 3	35	6	12		0 24	1
8/18/2015		49	49 6	2 3	34	6	12		0 24	Į.
8/19/2015		50	50 6	3 3	33	6	0		0 (	Belts have been broken
8/20/2015		49	49; 6	2	32	6	6		0 12	Replaced belts
8/21/2015	:	50	50' 6	3 3	36	6	12		0 24	k.
8/22/2015		51	51 6	4 3	37	6	12		0 24	1
8/23/2015	:	51	51 6	4 3	37	6	12		0 24	1
8/24/2015	:	50	50 6	3 3	37	6	12		0 24	1
8/25/2015	:	52	52 6	5 3	36	6	12		0 24	1
8/26/2015	;	51	51 6	4 3	37	6	12		0 24	1
8/27/2015	;	50	50 6	3 3	37	6	12		0 24	1
8/28/2015	;	50	50 6	3 3	37	6	12		0 24	1
8/29/2015	;	51	51 6	4 :	36	6	12		0 24	1
8/30/2015		54	54 6	7	35	6	12		0 24	4
8/31/2015		56	56 6	9	35	6	12		0 2	1

1134 632 Total

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