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

Type Test	:			(-	See Instruct	ions on Rev	erse Side	)				
Op	en Flow	MSI		T D				4.50	N= 45			
_	liverabilty			Test Date 6/22/14	<b>)</b> :				l No. 15 3-20664-00 <b>0</b>	Ø		
Company		ources, Inc.				Lease Hilt				13-33	Well Number	
County Cheyenr	ne	Locati NWSW	Section 33				RNG (E 42W	/W)		Acres Attributed 80		
Field Cherry C	Creek			Reservoir Niobrara					thering Conn Systems In			
Completion 3/30/200			* ***	Plug Bac	k Total Dept	h		Packer	Set at			
Casing Size Weight					Diameter	Set at 1777		Perfo	orations 8'	то 1646'	то 1646'	
Tubing Si	ze	Weigh		4.052 Internal D	Diameter	Set at		Perfo	orations	То		
		(Describe)		Type Flui	d Production	1			nit or Traveling	Plunger? Yes	)/ No	
Producing	Thru (A	Annulus / Tubing	<b>)</b> )		arbon Dioxi	de		% Nitrog	_ <del>_</del>		avity - G <sub>g</sub>	
Annulus					D		_				Dun) (Brouge) Sine	
Vertical D	eptn(H)				Flan	sure Taps ge				2"	Run) (Prover) Size	
Pressure	Buildup:	Shut in 6-7	2	0 14 at 1	:35	(AM) (PM)	Taken_6-	-10	20	14 at 1:50	(AM)(PM)	
Well on L	ine:	Started 6-2	22	0 <u>14</u> at <u>1</u> :	:50	(AM) (PM)	Taken 6-	23	20	14 <sub>at 2:35</sub>	(AM) (M)	
					OBSERVE	D SURFACE	DATA	_		Duration of Shut-	in 360 Hours	
Static / Dynamic Property	Dynamic Size Prover P			Temperature Temperati		Casii Wellhead F (P <sub>w</sub> ) or (P <sub>t</sub>	ressure	Wellhe	Tubing ead Pressure or (P <sub>L</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	(	psig (Pm)	Inches H <sub>2</sub> 0			psig 146	psia 160.4	psig	psia	_		
Flow		<del>  -</del>	<del>-</del>			44	58.4			360	_	
					FLOW STR	EAM ATTRI	BUTES					
Plate  Coefficient  (F <sub>b</sub> ) (F <sub>p</sub> )  Modd  Circle one:  Meter or  Prover Pressure  psia		Press Extension ✓ P <sub>m</sub> x h	Fact	Gravity Factor F <sub>g</sub>		Fa	iation Metered Flov ctor R F (Mcfd)		v GOR (Cubic Fe Barrel)	L Gravity I		
									11			
				(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS			²= 0.207	
(P <sub>c</sub> ) <sup>2</sup> =						% (P,	<u>, - 14.4) +</u>	· 14.4 = _	<del>:</del> -	(P <sub>d</sub> )	<sup>2</sup> =	
(P <sub>e</sub> ) <sup>2</sup> - (I or (P <sub>e</sub> ) <sup>2</sup> - (I		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> - P <sub>g</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	LOG of formula 1, or 2.	B 2 D 2	Slope	sure Curve e = "n" or igned	l n x	roe	Antilog	Open Flow Deliverability Equals R x Antilog	
	-		divided by: Pc2-Pw	by:	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Standa	rd Slope				(Mcfd)	
Open Flo	w		Mcfd @ 14	.65 psia		Deliverabi	lity	_		Mcfd @ 14.65 ps	a	
The	undersigi	ned authority, or	n behalf of the	Company, s	states that h	e is duly au	thorized t	o make t	he above repo	ort and that he ha	s knowledge of	
the facts s	tated the	rein, and that sa	aid report is true	e and correc	t. Executed	this the 10		day of _	December		, 20 <u>14</u>	
					Re	Ceived RATION COMMI		Du		Mon	Tury	
		Witness (i	fany)		FEB	2 5 2015			For	Company		
		For Comm	nission		CONSERVA	— מופועות אחוד.	N		Che	cked by		

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 Hilt 13-33 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
Received KANSAS CORPORATION COMMISSION  FEB 2 5 2015 Signature:  CONSERVATION DIVISION WICHITA, KS  Signature:  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.

W437 Hilt 13-33 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	54	67	1	l	7	24		34	
6/2/2014	69	82	1.1	l	7	24	C	33	
6/3/2014	59	72	12	2	7	24	(	32	
6/4/2014	85	98	12	2	7	24	(	33	
6/5/2014	43	57	10	)	7	24	(	34	
6/6/2014	49	62	13	l	7	12	0	17	
6/7/2014	133	146	:	3	7	0	9	0	
6/8/2014	136	149	(	)		0	24	0	
6/9/2014	139	152	(	)		0	24	0	
6/10/2014	146	159	(	)		0	24	0	
6/11/2014	147	160	(	)			24	ļ	
6/12/2014	144	157	(	)			24	,	
6/13/2014	143	156	(	)			24		
6/14/2014	144	157	(	)			24		
6/15/2014	145	158	(	)			24	ļ	
6/16/2014	145	158	(	)			24	}	
6/17/2014	145	158	(	)			24	ļ	
6/18/2014	146	159	(	)			24	!	
6/19/2014	146	159	(	)			24	,	
6/20/2014	146	159	(	)			24	ļ	
6/21/2014	146	159	(	)			24		
6/22/2014	146	159	(	)			24	ļ	
6/23/2014	116	129	1.5	5			5	i	
6/24/2014	111	124	1.5	5			C	)	
6/25/2014	98	111	.9	•			C	)	
6/26/2014	89	102	9	)			C	)	
6/27/2014	82	95	8	3			C	)	
6/28/2014	51	64	8	3	7	12	C	0	started pumping unit
6/29/2014	51	64	10	)	7	24	C	34	
6/30/2014	50	63	10	)	7	12	C	17	
7/1/2014							(	)	

Total 159 234

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W437 Hilt 13-33 West St. Francis St. Francis None July-14

	Casing					HRS	Water	REMARKS
DATE	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
7/1/2014	5	1 64	7	, (	0		0	<u> </u>
7/2/2014	5	0 63	7	′ (	0	(	0	i e
7/3/2014	5	0 63	7	' (	) 0	(	0	ı
7/4/2014	5	0 63	7	' (	0	(	0	ı
7/5/2014	5	4 67	΄ 6	i (	) 0	(	0	ı
7/6/2014	5	4 67	· 6	• (	) 0	(	0	l .
7/7/2014	6	6 79	10	) 7	12	(	17	started pumping unit
7/8/2014	5	5 68	12	. 7	24	(	33	
7/9/2014	5	5 68	12	: 7	24	(	34	
7/10/2014	5	6 69	12	: 7	24	(	33	a lot of gas with water, put on auto
7/11/2014	5	7 70	12	: 7	7 24	(	32	
7/12/2014	5	8 71	11	7	7 24	(	33	
7/13/2014	5	9 72	. 11	. 7	24	(	34	
7/14/2014	6	9 82	11		12	(	17	
7/15/2014	4	9 62	. 11	. 7	12	(	17	bucket test 5 min and greased
7/16/2014	4	9 62	. 11	. 7	12	(	16	i
7/17/2014	4	8 61	11	. 7	12	(	18	
7/18/2014	4	8 61	11	7	7 12	(	18	pu off, disposal down
7/19/2014	4	7 60	10	7	12	(	0	
7/20/2014	4	7 60	10	) 7	12	(	18	turn on pu
7/21/2014	9	1 104	10	) 7	, 6	(	) 9	pu off, hfp
7/22/2014	16	6 179	2	! 7	, 0	22	2 0	
7/23/2014	8	0 93	11	. 7	7 0	7	7 0	ı
7/24/2014	5	7 70	9	7	, 0	3	0	
7/25/2014	4	2 55	10	) 7	7 6	4		started pumping unit
7/26/2014	4	6 59	9	7	12	(	17	•
7/27/2014	4	7 60	10	) 7				
7/28/2014	4	2 55	10	) 7				
7/29/2014	3	7 50	11				-	
7/30/2014		5 48	11	. 7			17	•
7/31/2014	3	740	11		12	(	<u>16</u>	í <u> </u>

Total 299 430

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W437 Hilt 13-33 West St. Francis St. Francis None August-14

	Casing						HRS		Water	REMARKS
DATE	PSI	STATIC	MCF	SPM	C	YCLE	DOWN		BBLS	(Maximum length 110 characters
8/1/2014	35	48	11		7	12	(	0	17	
8/2/2014	35	48	11		7	12	(	0	16	
8/3/2014	35	48	11		7	12	(	0	17	
8/4/2014	50	63	11	[	7	12	(	0	18	
8/5/2014	50	63	11	Į.	7	12	(	0	17	
8/6/2014	51	64	11	ļ	7	12	(	0	16	
8/7/2014	52	65	11		7	12	(	0	17	
8/8/2014	53	66	13	l	7	12	(	0	18	
8/9/2014	53	66	11		7	12	(	0	17	
8/10/2014	55	68	11		7	12	(	0	16	
8/11/2014	51	64	11	[	7	12	(	0	17	
8/12/2014	42	55	11		7	12	(	0	18	
8/13/2014	35	48	10	)	7	12	(	0	17	bucket test 5 min
8/14/2014	34	47	13	Į.	7	12	(	0	16	
8/15/2014	44	57	9	)	7	12	:	3	14	
8/16/2014	33	46	10		7	12	(	0	15	
8/17/2014	33	46	1	l	7	12	(	0	14	
8/18/2014	33	46	11	l	7	12	(	0	15	
8/19/2014	47	60	11	L	7	12	2	2	16	
8/20/2014	42	55	11	Į	7	12	(	0	17	
8/21/2014	30	43	11	L	7	12	(	0	16	
8/22/2014	60	73	12	2	7	12	(	0	15	
8/23/2014	47	60	12	2	7	12	(	0	16	
8/24/2014	49	62	12	2	7	12	(	0	17	bucket test 5 min
8/25/2014	66	79	12	2	7	12	(	0	16	
8/26/2014	52	65	12	2	7	12		0	15	
8/27/2014	55	68	12	2	7	12	(	0	16	
8/28/2014	48	61	12	2	7	12	(	0	9	pu off hfp
8/29/2014	46	59	10	ļ	7	6	;	5	8	restarted
8/30/2014	46	59	10	[	7	12		0	16	
8/31/2014	61	74	12	2	7	12	1	0	15	

Total 346 487

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