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

	: en Flo <sup>,</sup> liverab		BSI			Test Date	<b>e</b> :	ructions on	Reverse Sid	ÁF	PI No. 15				
Company					*******	3/7/2013		Lease		02	23-20664-00	70	Well No	umber	
	od Re	sou	rces, Inc.					Hilt				13-33			
County Location Section Cheyenne NWSW 33							TWP 2S		RNG (E 42W	<b>∃/W</b> )		Acres Attributed 80			
Field Reservoir Cherry Creek Niobrara								***************************************	nection nc.						
Completion Date Plug Back Total 3/30/2006 1777'						k Total D	epth		Packer	Set at					
3					Internal Diameter Set at 4.052 1777:49'				Perf 16	orations 18'	то <b>1646</b> '				
Tubing Si	ze		Weig	jht		Internal [	Diameter	et at	orations	То					
Type Com Single (						Type Flui Dry Ga		etion			Jnit or Travelin Ding Unit	g Plunger? (Yes	)/ No		
		(Anr	nulus / Tubir	ng)		% C	arbon Di	oxide		% Nitro	gen	Gas Gravity - G <sub>g</sub>			
Annulus		1/										.6	Dun C	rover) O: -	
Vertical D							Pressure Taps Flange					2"	Kun) (P	rover) Size	
Pressure	Buildu	p: :	Shut in 3-0	6	2					20	13 <sub>at</sub> 1:50		(AM)(PM)		
Well on Li		;	Started 3-7	7	20							13 <sub>at</sub> 2:35		(AM) (M)	
						*	OBSER	VED SURF	ACE DATA			Duration of Shut	-in_24	Hours	
Static / Dynamic Property	namic Size Meter Differ		Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Temperature Temperature		(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing read Pressure or (P <sub>1</sub> ) or (P <sub>c</sub> )	Duration (Hours)		Liquid Produced (Barrels)			
Shut-In				,	2			psig 121	135.4	psig	psia		·-		
Flow								28	42.4			24			
				,			FLOW S	TREAM AT	TRIBUTES						
Coeffiecient /			Circle one: Meter or ver Pressure psia		Press Extension ✓ P <sub>m</sub> x h	Grav Fact F <sub>g</sub>	or	Flowing Temperatur Factor F <sub>11</sub>	e F	eviation Metered Factor R F <sub>pv</sub> (Mcfc		w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
											10		-		
(P <sub>c</sub> ) <sup>2</sup> =		_ :	(P <sub>w</sub> ) <sup>2</sup> :	=	:	(OPEN FLO	OW) (DEI	L <b>IVERABILI</b> %	TY) CALCUI (P <sub>c</sub> - 14.4) -		:	(P <sub>a</sub> ) (P <sub>d</sub> )	$r^2 = 0.2$	07	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		$ (P_c)^2 - (P_w)^2 $ Choose formula 1 or 2 $ 1. P_c^2 - P_a^2 $ 2. $P_c^2 - P_a^2$ divided by: $P_c^2 - P_w^2$		$P_{c}^{2} - P_{a}^{2}$ $P_{c}^{2} - P_{d}^{2}$	LOG of formula 1. or 2. and divide by:	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Back	Backpressure Curve Slope = "n" or Assigned Standard Slope		LOG	Antilog	Op Del Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flov	v			- 1	Mcfd @ 14.6	35 psia		Delive	ability			Mcfd @ 14.65 ps	ia		
					ehalf of the						the above repo December	ort and that he ha		ledge of	
			Witness					-		Di	rall	Company	tu	rely	
			For Com					-				cked by	KC	C WICH	

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	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
	at 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
	oment installation and/or upon type of completion or upon use being made of the gas well herein named.
l he	ereby request a one-year exemption from open flow testing for the Hilt 13-33
gas we	Il 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
	rther agree to supply to the best of my ability any and all supporting documents deemed by Commissio necessary to corroborate this claim for exemption from testing.
Date: _	12/10/13
	Signature: Janua Martiny
	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.

KCC WICHITA

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W437 Hilt 13-33 West St. Francis St. Francis None March-13

	Casing					HRS	Water	REMARKS `
DATE	PSI	STATIC	MCF	SPM	CYCLE	DOW	NBBLS	(Maximum length 110 characters)
3/1/2013	37	50	13	7	12		15	<u> </u>
3/2/2013	37	50	12	7	12		16	
3/3/2013	30	43	13	7	12		17	
3/4/2013	28	41	13	7	12		16	
3/5/2013	58	71	14	7	6		9	shut pumping unit off hfp
3/6/2013	118	105	5	7	0		0	shut well in for state test psi 118
3/7/2013	121	124	0	7	0	24	0	open well psi 121
3/8/2013	70	83	16	7	0		0	•
3/9/2013	50	63	12	7	6		8	
3/10/2013	47	60	12	7	12		16	
3/11/2013	27	40	12	7	12		17	
3/12/2013	81	94	13	7	6	3	8	shut pumping unit off hfp
3/13/2013	43	56	11	7	6		7	
3/14/2013	57	70	12	7	6	1	. 8	shut pumping unit off hfp
3/15/2013	70	83	11	7	0		0	
3/16/2013	59	72	10	7	0		0	
3/17/2013	50	63	10	7	6		7	restart pu
3/18/2013	54	67	11	7	12		18	•
3/19/2013	36	49	12	7	12		17	
3/20/2013	36	49	.12	7	12		16	
3/21/2013	28	41	13	7	12		17	bucket test 5 min
3/22/2013	27	40	13	7	12		16	put on hand bad weather moving in
3/23/2013	28	41	<sup>1</sup> 11	7	12		16	belts broke
3/24/2013	28	41	4	7	0		0	
3/25/2013	73	86	. 3	7	0		0	
3/26/2013	60	73	4	7	0		0	
3/27/2013	28	41	10	7	0		0	
3/28/2013	27	40	; 9	7	0		0	
3/29/2013	28	41	. 9	7	0		0	
3/30/2013	27	40	9	7	0		0	•
3/31/2013	27	40	. 9	7	0		0	

Total 318 244

W437
Hilt 13-33
West St. Francis
St. Francis
None
April-13

	Casing					HRS	Water	REMARKS
DATE	PSI	STATIC	MCF	SPM	CYCLI	DOWN	BBLS	(Maximum length 110 characters)
4/1/2013	18	41	8	7	0		0	
4/2/2013	27	40	8	7	12		17	restarted pumping unit put one belt on
4/3/2013	29	42	11	7	24		34	
4/4/2013	31	44	13	7	12		17	bucket test 5 min and greased
4/5/2013	64	77	13	7	12		16	
4/6/2013	49	62	12	7	12		15	
4/7/2013	49	62	12	7	12		16	shut pumping unit off
4/8/2013	49	62	11	7	0		0	
4/9/2013	43	56	10	7	0		0	
4/10/2013	48	61	9	7	0	2	0	
4/11/2013	32	45	9	7	0		0	
4/12/2013	25	38	9	7	6		8	restarted pu
4/13/2013	76	89	10	7	6	1	8	shut pumping unit off
4/14/2013	50	63	9	7	0		0	
4/15/2013	53	66	9	7	6		8	restarted pumping unit
4/16/2013	25	38	10	7	12		17	
4/17/2013	38	51	11	7	6		8	
4/18/2013	28	41	8	7	0		0	belt burnt off durning strom
4/19/2013	28	41	2	7	6		8	replaced belt and started pumping unit
4/20/2013	48	61	. 0	7	12		16	treated
4/21/2013	48	61	0	7	12		17	•
4/22/2013	48	61	0	7	12		16	checked plate- not blocked flowing 10 mc
4/23/2013	48	61	10	7	12		15	
4/24/2013	49	62	13	7	12		17	bucket test 5 min
4/25/2013	50	63	11	7	12		16	
4/26/2013	51	64	12	7	12		15	
4/27/2013	51	64	12	7	12		16	
4/28/2013	63	76	11	7	12		17	
4/29/2013	62	75	12	7	12		17	
4/30/2013	56	69	13	7	12		16	
5/1/2013								

Total 278 350

W437 Hilt 13-33 West St. Francis St. Francis None May-13

	Casing					HRS	Water	REMARKS
DATE	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
5/1/2013	57	70	13	7	12		16	
5/2/2013	62	75	13	7	12		17	
5/3/2013	53	66	13	7	12		16	
5/4/2013	50	63	12	7	12		15	
5/5/2013	49	62	12	7	12		16	
5/6/2013	51	64	11	7	12		17	
5/7/2013	52	65	11	7	12		16	
5/8/2013	56	69	11	7	12		15	shut pu off hfp in afternoon
5/9/2013	59	72	10	7	6		8	restarted pumping unit
5/10/2013	43	56	10				16	
5/11/2013	33	46	11	7	12		17	
5/12/2013	31	44	11	7	12		15	
5/13/2013	32	45	11	7			16	
5/14/2013	32	45	12	7	12		17	bucket test 5 min and greased
5/15/2013	98	111	11	7	6	3	8	shut pumping unit off hfp
5/16/2013	75	88	10	7	0		0	
5/17/2013	33	46	9	7	6		8	started pumping unit
5/18/2013	30	43	9	7	12		17	
5/19/2013	30	43	10	7	12		18	
5/20/2013	32	45	10	. 7	12		17	bucket test 5 min
5/21/2013	47	60	11	7	12		16	
5/22/2013	67	80	11	7	6	14	8	pu off hfp
5/23/2013	114	127	5	. 7	0	10	0	
5/24/2013	99	112	4	7	0	4	0	
5/25/2013	94	107	12	7	0		0	
5/26/2013	88	101	13	7	0		0	
5/27/2013	85	98	13	7	0		0	
5/28/2013	75	88	8	7	0		0	
5/29/2013	83	96	8	7	0		0	
5/30/2013	54	. 67	7	7	6		8	started pumping unit
5/31/2013	50	63	8	7	12		17	

Total 320 334