Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

_Type Test	:	10T		(See Instruct	tions on Re	verse Side)					
Op	en Flow	XSI						4.00	M- 45				
De	liverabilty			Test Date: 7/17/2013					API No. 15 023-20613-00 € €				
Company	od Reso	urces, Inc.			·	Lease Willard	·			1-26	Weil Nu	mber	
County Location Cheyenne NW NE/4					Section TWP 26 3S			RNG (E.	/W)		Acres Attributed 80		
Field Cherry C	Creek			Reservoir Niobrara					thering Conn Systems In				
Completion Date F					Plug Back Total Depth				Set at				
Casing Size Weight I					Internal Diameter Set at 4.052 1506'				orations 4'	To 1328'	то 1328'		
	Tubing Size Weight				Diameter	Set a			rations	То			
Type Con Single(0				Type Flui	d Production	า			nit or Traveling	Plunger? Yes)/ No		
<u>`</u>		nnulus / Tubing	j)		arbon Dioxi	de		% Nitrog		Gas Gr	avity - (9 ₉	
Annulus				·						.6		· <u>-</u> -	
Vertical D	epth(H)				Press Flans	sure Taps ge				(Meter I 2"	Run) (P	rover) Size	
Pressure	Buildup:				:20	(PM)	Taken_7-	17		13 _{at} 8:35	(AM)(PM)	
Well on L	ine:	Started 7-1	72	0 13 at 8	:35	(AMD(PM)	Taken 7-	18	20	13 _{at} 9:20	(AM)(PM)	
			·		OBSERVE	D SURFAC	E DATA			Duration of Shut-	_{in} 24	Hours	
Static / Dynamic Property	ic Size <i>Meter</i> Differential . Prover Pressure in		Flowing Well Head Temperature t t t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Wellhe	Tubing ead Pressure or (P _t) or (P _c)	Duration (Hours)		d Produced Barrels)		
Shut-In		psig (Pm)	mones 11 ₂ 0			psig 129	psia 143.4	psig	psia				
Flow	Flow					78.4			24				
					FLOW STR	EAM ATTR	IBUTES				. <u> </u>		
Plate Coeffiec (F _b) (F Mcfd	ient p) F	Circle one: Meter or Prover Pressure psia	Press Extension ✓ P _m x h	Gravity Factor F _g		Flowing Temperature Factor F ₁₁	Fa	iation ctor pv	Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
									39				
				•	OW) (DELIV		•				² = 0.2	07	
(P _c) ² =	 :	(P _w) ² =	Choose formula 1 or 2:	$P_d =$	 ^		P _c - 14.4) +	1	<u>-</u> :	(P _d)	² = T		
or	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		LOG of formula 1. or 2. and divide	formula 1. or 2. and divide P 2 - P 2		Backpressure Curve Slope = "n" Assigned Standard Slope		LOG	Antilog	Del Equals	en Flow iverability R x Antilog (Mcfd)		
						5				N4-41 @ 44 05	<u> </u>		
Open Flor			Mcfd @ 14.	•		Deliverab	-			Mcfd @ 14.65 psi			
	•	•	n behalf of the aid report is true	and correc	t. Executed	this the 2	1	day of N	lovember	rt and that he ha	s know	ledge of ₂₀ <u>13</u> .	
		Witness (i	f any)	KANS	AS CORPOR) Ou	<u>null</u>	WCUT	ĒŲ	<u> </u>	
		For Comm	ission			2 6 2013 ATION DIVISI			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 Willard 1-26
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: 11/21/13
RECEIVED COMPRISED CONTRIBUTION: WANSAS CORPORATION COMPRISED Production Assistant Production Assistant Production Assistant ONSERVATION DIVISION WICHTA, KS

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.

W378 Willard 01-26 St. Francis St. Francis None July-13

Total

	Casing				H	IRS	Water	REMARKS
DATE	PSI	STATIC	MCF	SPM	CYCLEI	OOWN	BBLS	(Maximum length 110 characters
7/1/2013	- 52	65	39	5.5	8		10	
7/2/2013	52	65	40	5.5	8		13	4.25 min bt
7/3/2013	54	67	40	5.5	8		12	
7/4/2013	54	67	40	5.5	8		14	
7/5/2013	54	67	40	5.5	8		11	
7/6/2013	56	69	40	5.5	8		13	
7/7/2013	67	80	40	5.5	8		12	
7/8/2013	66	79	40	5.5	8		14	
7/9/2013	6.6	79	41	5.5	8		12	
7/10/2013	53	69	41	5.5	8		11	
7/11/2013	58	71	41	5.5			14	
7/12/2013	64	77	41	5.5	4		6	
7/13/2013	74	87	38		0	2.5	0	treated well
7/14/2013	76	89	37	5.5	0		0	
7/15/2013	55	68	37	5.5	4		7	started pu
7/16/2013	55	68	38	5.5	4		7	si for state test - cp 55
7/17/2013	129	66	3	5.5	4	24	. 7	reopened - cp 129
7/18/2013	77	90	45	5.5	4		7	pu off hfp
7/19/2013	70	83	44	5.5	0		0	
7/20/2013	72	85	41	5.5	0		0	
7/21/2013	75	88	39	5.5	0		0	
7/22/2013	71	84	38	5.5	0		0	
7/23/2013	63	76	37		4			restart pu
7/24/2013	71	84	39		8		13	4.5 min bt
7/25/2013	77	90	40		4			pu off hfp
7/26/2013	60	73	38	5.5	4		7	restart pu, didn't wait for water
7/27/2013	54	67	39		8		13	
7/28/2013	56	69	40		8		14	
7/29/2013	54	67	41	5.5	8		13	
7/30/2013	54	67	41	5.5	4	3.5	7	pu off hfp
7/31/2013	84	97	30	5.5	0_	5.5	0	

1188

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251

DEC 2 6 2013

W378 Willard 01-26 St. Francis St. Francis None August-13

	Casing					HRS	Water	REMARKS
DATE	PSI	STATIC	ИCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters
8/1/2013	77	90	39	5.5				
8/2/2013	77	90	36	5.5				
8/3/2013	74	87	34	5.5				
8/4/2013	72	85	34	5.5				
8/5/2013	66	79	33	5.5				
8/6/2013	53	66	33	5.5	2		6	restart pu
8/7/2013	49	62	35	5.5	4		13	
8/8/2013	53	66	37	5.5	4		12	
8/9/2013	57	70	37	5.5	4		12	
8/10/2013	53	66	37	5.5	4		13	
8/11/2013	51	64	38	5.5	4		14	
8/12/2013	52	65	38	5.5	4		13	
8/13/2013	51	64	39	5.5	4		7	4 min bt greased
8/14/2013	52	65	39	5.5	4		9	
8/15/2013	52	65	39	5.5	4	0.5	6	
8/16/2013	64	77	39	5.5	4		8	
8/17/2013	63	76	39	5.5	4		9	
8/18/2013	64	77	39	5.5	4		10	
8/19/2013	64	77	40	5.5	2	1.5	5	
8/20/2013	76	89	37	5.5	0	1	0	
8/21/2013	85	98	35	5.5	0		0	
8/22/2013	88	101	35	5.5	0	5	0	
8/23/2013	72	85	36	5.5	0		0	
8/24/2013	81	94	35	5.5	0	1	0	
8/25/2013	86	99	33	5.5	0	1	0	
8/26/2013	54	67	33	5.5	2		4	started pumping unit
8/27/2013	49	62	35	5.5	4		7	
8/28/2013	49	62	36	5.5	4		8	
8/29/2013	77	90	37	5.5	2	1	4	pu off hfp
8/30/2013	84	97	34	5.5	0		0	
8/31/2013	85	98	33	5.5	0		0	

Total 1124 160

RECEIVED KANSAS CORPORATION COMMISSION

DEC 2 6 2013

W378
Willard 01-26
St. Francis
St. Francis
None
September-13

	Casing				HRS	Water	REMARKS
DATE	PSI	STATIC	MCF	SPM	CYCLE DOWN	BBLS	(Maximum length 110 characters)
9/1/2013	105	118	29		1		
9/2/2013	105	118	29				
9/3/2013	121	134	35		22	!	
9/4/2013	133	146	3		10)	
9/5/2013	110	123	18				
9/6/2013	86	99	44		1		
9/7/2013	92	105	36				
9/8/2013	90	103	36				
9/9/2013	99	112	34				
9/10/2013	102	115	32		2	<u> </u>	
9/11/2013	124	137	32				
9/12/2013	154	167	16		18	;	
9/13/2013	105	118	26		4	-	
9/14/2013	78	91	38		2		
9/15/2013	85	98	36				
9/16/2013	62	75	33				
9/17/2013	52	65	32				
9/18/2013	52	65	32	5.5	3 4	4	restart pu
9/19/2013	45	58	34	5.5	8	7	-
9/20/2013	46	59	35	5.5	8	8	
9/21/2013	61	74	35	5.5	8	6	
9/22/2013	69	82	35	5.5	5 8	7	
9/23/2013	60	73	36	5.5	8	8	
9/24/2013	53	66	37	5.5	5 4 4	. 4	pu off hfp
9/25/2013	85	98	33	5.5	0	0	
9/26/2013	72	85	34	5.5	0	0	
9/27/2013	50	63	33	5.5	5 4	4	restart pu treated well
9/28/2013	53	66	33	5.5	8	8	
9/29/2013	54	67	35	5.5	8	7	
9/30/2013	58	71	35	5.5	8	8	
10/1/2013							

Total 956 71

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DEC 2 6 2013