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

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Type Test	t:	_	たす			0	See Instruc	tions on Re	verse Sid	le)						
Op	en Flov	v 🌶	N SV			Took Date				A 1	al Na	45				
De	liverabi	Ity				Test Date 6/20/20					ય No. !3-205	15 562-00 <b>0</b>	0			
Company		sour	ces, Inc	o.				Lease Zimbelr	nan					2-24	Well N	ımber
County Location S				Section 24						RNG (E/W) 41W				Acres Attributed		
Field Cherry C						Reservoir						g Conn tems In				
Completion		9					k Total Dep	th		Packer						
9-10-200						1536'								To		
4 1/2"					4.052	Internal Diameter Set at 4.052 1536'				Perforations 1332'				1370'		
Tubing Si	ize		W	eight/		Internal D	Diameter	Set	at	Peri	oratio	ns		То		
Type Con Single (						Type Fluid Dry Ga	d Production	п		Pump l Pump		Traveling Jnit	Plung	ger? (Yes	) No	
Producing	g Thru			ubing)		% C	arbon Dioxi	de		% Nitro	gen				ravity -	G <sub>g</sub>
Annulus														.6	D) (E	January Oliva
Vertical E	)eptn(H	)					Flan	sure Taps qe						(ivieter 2"	Hun) (F	rover) Size
Pressure	Buildur	n· 5	Shut in _	6-19	2	0_13_at_9:		(AM)(PM)	Taken 6	-20		20	13	9:20		(AM))(PM)
Well on L	•		Started _	6-20			13 at 9:20 (AM) (PM) Taken 6-2									(AM)(PM)
							ORSERVE	D SURFAC	F DATA				Durat	ion of Shut	<sub>-in</sub> 24	Hours
Static /	Orific		Circle	one:	Pressure	Flowing	Well Head		sing		Tubing				,	
Dynamic Property	Dynamic Size Prover Pressure i		Differential in Inches H <sub>2</sub> 0	Temperature t	Temperature t	Wellhead (P <sub>w</sub> ) or (F	Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia				Duration I (Hours)		Liquid Produced (Barrels)			
Shut-In								135	psia 149.4	porg		police		_		
Flow								55	69.4				24		0	
							FLOW STF	REAM ATTR	IBUTES				1			
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mofd			Draver Breezure		Press Extension P <sub>m</sub> xh	Grav Fact F <sub>g</sub>	tor	Flowing Temperature Factor F <sub>f1</sub>		Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>
			·								33					
							OW) (DELIV						·		) <sup>2</sup> = 0.2	207
(P <sub>c</sub> ) <sup>2</sup> =		_:_	(P,	w)2 =   Cho	ose formula 1 or 2:		<del></del>		구 <sub>。</sub> - 14.4) ·		-	<u>;</u>		(P <sub>d</sub>	)2 =	<del></del>
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		$(P_c)^2 - (P_w)^2 \qquad 1. P_c^2 - P_a^2$ $2. P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$		LOG of formula 1. or 2. and divide	formula 1. or 2. and divide p2_p2		Backpressure Curve Slope = "n"or Assigned Standard Slope		LOG	og		Antilog		pen Flow liverability s R x Antilog (Mcfd)		
				urvit	, c 'w											
Open Flo	w	_			Mcfd @ 14.	65 psia	-	Deliverat	oility				Mcfd (	@ 14.65 ps	sia	
The	undersi	aned	authorit	tv. on h	ehalf of the	Company. s	states that h	ne is dulv a	uthorized	to make	the ah	ove repo	ort and	I that he h	as knov	vledge of
	•	•		•	report is true	and correc		opposition 2	1	day of _	Nove	mber		0.0	, , , , , , , , , , , , , , , , , , ,	20 13
						KA				) (2)	Me		_fl	Mart	ai	U
			Witr	ness (if an	y)		DE	C 2 6 2	U13 >			For	Company			
			For	Commission	on			ERVATION DI WICHITA, KS				Che	cked by			

exempt	status under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.  t the foregoing pressure information and statements contained on this application form are true and
of equip	to the best of my knowledge and belief based upon available production summaries and lease records ment installation and/or upon type of completion or upon use being made of the gas well herein named. reby request a one-year exemption from open flow testing for the Zimbelman 2-24
	i 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 Commission necessary to corroborate this claim for exemption from testing.
Date: <u>1</u>	1/21/13
	RECEIVED KANSAS CORPORATION COMMISSION Hature:
	Pro 2 & 2012 Title. Production Assistant
	DEC 2 6 2013 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.

W381 Zimbelman 02-24 St. Francis St. Francis None June-13

	Casing					HRS	Water	REMARKS
DATE	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
6/1/2013	47	60	32	6	17		27	<u> </u>
6/2/2013	51	64	35	6	17		26	
6/3/2013	49	62	38	6	17		27	
6/4/2013	48	61	40	6	17	•	22	
6/5/2013	61	74	42	6	17		28	
6/6/2013	66	79	43	6	17		26	4.75 min bt
6/7/2013	52	65	45	6	17		25	
6/8/2013	52	65	45	6	17		22	
6/9/2013	54	67	46	6	17		21	
6/10/2013	55	68	46	6	17	2	20	
6/11/2013	76	89	42	6	6	1	12	chg timer to 12 hrs on - pu off hfp
6/12/2013	74	87	41	6	0		0	
6/13/2013	55	68	39	6	6		12	restart pu
6/14/2013	59	72	36	6	12		27	
6/15/2013	60	73	34	6	12		26	
6/16/2013	60	73	33	6	12		25	
6/17/2013	57	70	32	6	6		10	pu off
6/18/2013	50	63	31	6	0		0	
6/19/2013	44	57	31	6	0		0	si for state test - cp 48
6/20/2013	48	61	0	6	6	24	10	reopened - cp 135
6/21/2013	56	69	51	6	12		19	4.5 min bt greased
6/22/2013	77	90	47	6	12		22	_
6/23/2013	81	94	44	6	6		10	pu off hfp
6/24/2013	77	90	43	6	0		0	calibrated meter
6/25/2013	80	93	37	6	0		0	
6/26/2013	79	92	36	6	0		0	
6/27/2013	72	85	35	6	12		10	restart pu
6/28/2013	65	78	33	6	12		14	
6/29/2013	52	65	32	6	12		19	
6/30/2013	52	65	31	6	12		18	
7/1/2013								

Total 1120 478

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CONSERVATION DIVISION WICHITA, KS

W381 Zimbelman 02-24 St. Francis St. Francis None July-13

	Casing					HRS	Water	REMARKS
DATE	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters
7/1/2013	53	66	31	6	12		19	•
7/2/2013	53	66	30	6	12		18	4.75 min bt
7/3/2013	55	68	33	6	12		17	
7/4/2013	56	69	32	6	12		20	
7/5/2013	56	69	32	6	12		16	
7/6/2013	57	70	44	6	12		18	
7/7/2013	68	81	45	6	12		17	
7/8/2013	67	80	45	6	12		20	•
7/9/2013	67	80	46	6	12		19	
7/10/2013	58	71	48	6	12		21	
7/11/2013	60	73	47	6	12		20	
7/12/2013	66	79	47	6	6		9	shut pu off hfp treated well
7/13/2013	74	87	40		0	2.5	0	
7/14/2013	77	90	39	6	0		0	
7/15/2013	56	69	38	6	6		10	started pu
7/16/2013	55	68	34	6	12		20	-
7/17/2013	51	64	33	6	6		9	pu off no water
7/18/2013	78	91	38	6	0		0	
7/19/2013	70	83	34	6	0		0	
7/20/2013	73	86	29	6	0		0	
7/21/2013	75	88	29	6	0		0	
7/22/2013	71	84	28	6	0		0	
7/23/2013	63	76	28	6	6		9	•
7/24/2013	72	85	31	6	12		20	4.25 min bt
7/25/2013	78	91	35	6	6		9	pu off hfp
7/26/2013	59	72	33	6	6		10	restarted pu
7/27/2013	55	68	35	6	12		20	-
7/28/2013	57	70	39	6	12		21	
7/29/2013	56	69	41	6	12		20	
7/30/2013	55	68	42	6	6	3.5	9	pu off hfp
7/31/2013	85	98	27	6	0	5.5	0	

Total 1133 371

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CONSERVATION DIVISION WICHITA, KS

W381 Zimbelman 02-24 St. Francis St. Francis None August-13

	Casing					HRS	Water	REMARKS
DATE	PSI	STATIC M	ICF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
8/1/2013	77	90	38	6				
8/2/2013	77	90	35	6				
8/3/2013	71	84	34	6				
8/4/2013	73	86	30	6				
8/5/2013	66	79	29	6				
8/6/2013	53	66	28	6	6		10	restart pu
8/7/2013	50	63	28	6	12		20	
8/8/2013	53	66	27	6	12		21	
8/9/2013	58	71	26	6	6		10	not pumping - restarted
8/10/2013	54	67	30	6	12		21	
8/11/2013	52	65	33	6	12		20	
8/12/2013	53	66	29	6	12		20	not pumping - restarted, timer bad?
8/13/2013	52	65	32	6	12		19	
8/14/2013	. 53	66	36	6	12		19	4.5 min bt greased
8/15/2013	53	66	38	6	12	0.5	21	•
8/16/2013	65	78	40	6	12		20	
8/17/2013	64	77	42	6	12		24	
8/18/2013	64	77	42	6	12		23	
8/19/2013	66	79	42	6	6	1.5	10	
8/20/2013	77	90	38	6	0	1	0	
8/21/2013	86	99	36	6	0		0	
8/22/2013	89	102	35	6	0	5	0	
8/23/2013	73	86	34	6	0		0	
8/24/2013	82	95	33	6	0	1	0	
8/25/2013	88	101	29	6	0	1	0	
8/26/2013	54	67	29	6	6		10	started pumping unit
8/27/2013	50	63	28	6	6		10	restart pu, timer still bad?
8/28/2013	50	63	30	6	12		21	
8/29/2013	77	90	34	6	6	1	10	pu off hfp
8/30/2013	85	98	30	6	0		0	
8/31/2013	86	99	29	6	0		0	

Total 1024 309

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