## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	:	67/	-		1	(See Instruc	ctions on Re	verse Side	∌)					
Ор	en Flov	v 🔀	<b>3</b> J		Test Date	۵٠			ΔΡΙ	No. 15				
Deliverabilty					8/17/20			API No. 15 023-20609-00 <b>0</b>						
Company Rosewood Resources					Lease Zimbelman					Well Number 4-24				
County Location Cheyenne NW NW					Section 24		TWP 3S		RNG (E	/W)		Acres Attributed 80		
Field Cherry Creek					Reservoi Niobrar			Gas Gathering Conne Branch Systems Inc				RECEN		
Completion Date 5/18/2005						ck Total Dep	oth				Pection RECEIV JAN 0.3 (			
Casing Size Weight 1/2" 10.5#				Internal Diameter 4.052			Set at 1403'		rations 2'	To to 1234' <b>KC</b>		IAUO		
ubing Si	ze		Weight		Internal	Diameter	Set at		Perforations		То		-WVIC	
one Type Com Single (					Type Flu Dry Ga	id Productio	n			nit or Traveling ing Unit	) / No			
			ilus / Tubing	)		as Carbon Diox	ide		% Nitrog		Gas Gı	Gas Gravity - G		
Annulus	-										.6			
Vertical D 1234'						Pres Flan	ssure Taps 1 <b>ge</b>				(Meter 2"	Run) (Prover) Si	ze	
Pressure	Buildup	o: S	8-16	ò2	20_12 at_8:30			Taken 8-	·17	20	12 at 8:45	(AM)(PM	1)	
Well on Line: Started 8-17			2	0 <u>12</u> at <u>8</u>	:45	(AM)(PM) Taken 8-18 20 12				12 at 9:30	(AM))PM	1)		
						OBSERVI	ED SURFAC	E DATA			Duration of Shut-	-in _24 Ho	ours	
Static / Dynamic Property	amic Size Meter		Pressure Differential in Inches H <sub>2</sub> 0	Differential in Flowing Well Head Temperature		Wellhead Pressure $(P_w) \text{ or } (P_t) \text{ or } (P_c)$		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produce (Barrels)	ed .		
Shut-In				2			psig 125	psia 139.4	psig	psia				
Flow							60	74.4			24	0		
						FLOW STI	REAM ATTR	IBUTES						
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		N	Circle one:  Meter or  Prover Pressure psia  Press Extension  ✓ P <sub>m</sub> x h		Fac	Gravity Factor F <sub>g</sub>		Fa	riation actor = pv	Metered Flov R (Mcfd)	w GOR (Cubic Fe Barrel)	Gravity		
										45				
- \ 0							/ERABILITY				· a·	)2 = 0.207		
P <sub>c</sub> ) <sup>2</sup> =	Т	<u>:</u>	(P <sub>w</sub> ) <sup>2</sup> =_	Chaosa formula 1 o- 2	P <sub>d</sub> =		% (F	<sup>2</sup> <sub>c</sub> - 14.4) +	14.4 =	<del>:</del>	(P <sub>d</sub> )	<sup>2</sup> =	<del></del>	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> )	$(P_c)^2 - (P_w)^2$ Choose formula 1 or 2: 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 p2_p2		Backpressure Curvi Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Anti (Mcfd)		
Open Flov	pen Flow Mcfd @ 14.65 psia						Deliverability Mcfd @ 14.65 psia							
**				behalf of the						e above repo	ort and that he ha	as knowledge of		
			Witness (if	any)			_		Cen	PULL FORD	GCW Company	ev_	<del></del>	
			For Commis	ssion			-			CL :	akod bu			
			For Commis	DOIUIT						Chec	cked by			

## KCC WICHITA

I declare unde	er penalty of perjury under the laws of the state of Kansas that I am authorized to request
	er Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
	oing pressure information and statements contained on this application form are true and
_	of my knowledge and belief based upon available production summaries and lease records
	llation and/or upon type of completion or upon use being made of the gas well herein named.
• •	est a one-year exemption from open flow testing for the Zimbelman 4-24
	bunds that said well:
jas well on the git	ounus mat salu 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.
<b>✓</b>	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
•	to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
•	
staff as necessary	
staff as necessary	
staff as necessary	
•	
staff as necessary	to corroborate this claim for exemption from testing.
staff as necessary	to corroborate this claim for exemption from testing.
staff as necessary	
staff as necessary	Signature:

## 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.

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Zimbelman 04-24

St. Francis

St. Francis

None

August-12

FloBoss

FloBoss									
	Tubing	Casing				]	HRS	Water	REMARKS
DATE	PSI	PSI	STATIC N	<b>ICF</b>	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
8/1/2012		61	74	39	6.5	11			5 min bt
8/2/2012		54	67	40	6.5	11		15	
8/3/2012		54	67	40	6.5	11		17	
8/4/2012		53	66	40	6.5	11		15	
8/5/2012		62	75	40	6.5	11		14	
8/6/2012		53	66	40	6.5	11		13	
8/7/2012		63	76	41	6.5	11		16	5 min bt
8/8/2012		56	69	41	6.5	11		16	
8/9/2012		55	68	41	6.5	11		15	
8/10/2012		70	83	41	6.5	11		14	
8/11/2012		56	69	40	6.5	11	1.5	15	
8/12/2012		58	71	41	6.5	11		16	
8/13/2012		52	65	41	6.5	11		16	
8/14/2012		56	69	41	6.5	11		14	
8/15/2012		64	77	41	6.5	11		17	4.75 min bt greased
8/16/2012		55	. 68	41	6.5	5.5		8	si for state test cp-62
8/17/2012		125	65	0	6.5	5.5	24	8	reopened cp-125
8/18/2012		60	73	48	6.5	11		16	-
8/19/2012		60	73	49	6.5	11		17	
8/20/2012		52	65	47	6.5	11		17	4.75 min bt
8/21/2012		59	. 72	47	6.5	11		12	
8/22/2012		56	69	46	6.5	11		11	
8/23/2012		62	75	46	6.5	11		14	
8/24/2012		64	77	44	6.5	11		15	
8/25/2012		59	72	44	6.5	11		18	
8/26/2012		59	72	45	6.5	11		17	
8/27/2012		54	67	45	6.5	11		16	
8/28/2012		55	68	45	6.5	11		15	
8/29/2012		56	69	45	6.5	11		18	4.25 min bt
8/30/2012		54	67	45	6.5	11		19	
8/31/2012		54	67	45	6.5	11		20	

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KCC WICHITA

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Zimbelman 04-24

St. Francis

St. Francis

None

September-12

FloBoss

FloBoss									
	Tubing	g Casing					HRS	Water	i e
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters
9/1/2012		55	68	45	6.5	11		18	
9/2/2012		57	70	45	6.5	11		19	
9/3/2012		55	68	44	6.5	11		17	
9/4/2012		53	66	44	6.5	11	1	17	
9/5/2012		71	84	40	6.5	11		19	
9/6/2012		71	84	40		6			4.75 min bt, PU OFF HFP
9/7/2012		122	135	11	6.5	0	19	0	
9/8/2012		128	141	0		0	24		
9/9/2012		133	146	0	6.5	0	24	0	
9/10/2012		132	145	0		0	24		
9/11/2012		131	144	0		0	24		
9/12/2012		130	143	0	6.5	0	24	0	
9/13/2012		109	122	18	6.5	0	10	0	
9/14/2012		100	113	56	6.5	0		0	
9/15/2012		90	103	60	6.5	0		0	
9/16/2012		85	98	46	6.5	0		0	
9/17/2012		74	87	39	6.5	0		0	
9/18/2012		56	69	36	6.5	6		8	restart pu
9/19/2012		74	87	36	6.5	6		8	pu off hfp
9/20/2012		48	61	33	6.5	6		8	restart pu
9/21/2012		48	61	36	6.5	11		16	
9/22/2012		48	61	37	6.5	11		15	
9/23/2012		49	62	38	6.5	11		14	
9/24/2012		53	66	39	6.5	11		14	
9/25/2012		57	70	39	6.5	11		15	
9/26/2012		57	70	39	6.5	11		17	
9/27/2012		64	77	39	6.5	11		18	4.25 min bt
9/28/2012		57	70	40	6.5	11		16	
9/29/2012		57	70	40	6.5	11		14	
9/30/2012		57	70	40	6.5	11		18	
10/1/2012									

W383 Zimbelman 04-24

St. Francis

St. Francis

None

October-12

FloRoss

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FloBoss								
	Tubing	g Casing				HRS	S Wate	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE DO'	WN BBL	(Maximum length 110 characters)
10/1/2012		58	71	40	6.5	11	1	8
10/2/2012		56	69	40	6.5	11	1	9
10/3/2012		58	71	41	6.5	11	2	0
10/4/2012		54	67	41	6.5	11	1	8 4.25 min bt
10/5/2012		55	68	41	6.5	11	1	7
10/6/2012		56	69	41	6.5	11	1	6
10/7/2012		55	68	41	6.5	11	1	7
10/8/2012		56	69	41	6.5	11	1	8
10/9/2012		56	69	41	6.5	11	1	7
10/10/2012		58	71	41	6.5	. 11	1	9
10/11/2012		57	70		6.5	11	1	7 4.75 min bt greased
10/12/2012		56	69	41	6.5	11	1	
10/13/2012		57	70			11	1	
10/14/2012		59	72	42	6.5	11	2	0
10/15/2012		57	70	42	6.5	11	1	6
10/16/2012		74	87	42	6.5	11	1 1	7
10/17/2012		57	70	41	6.5	11	1	7 4.75 min bt
10/18/2012		55	68	42	6.5	11	1	5
10/19/2012		55	68	42	6.5	11	1	7
10/20/2012		58	71	42		11	1	
10/21/2012		55	68	42		11	1	
10/22/2012		57	70			11	1	
10/23/2012		55	68			11		7 4.75 min bt
10/24/2012		55	68	42		11	1	
10/25/2012		52	65	42		11	1	
10/26/2012		55	68	42		11	1	
10/27/2012		53	66			11	1	
10/28/2012		53	66			11	1	
10/29/2012		81	94			5.5	2	7 pu off hfp
10/30/2012		68	81	37	6.5	0		0
10/31/2012	-	53	65	35	6.5	5.5		7 restart pu