KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:		-100		(See Instruc	tions on Re	verse Side	9)				
	en Flo	w	PSI		Test Date	a,			ΔĐ	l No. 15			
De	liverab	ilty			6/22/14	7.				3-20589-00 ()0		
Company		sou	rces, Inc.				Lease Zimbeli	man			3-24	Well Nu	ımber
County Cheyeni	ne		Locat		Section 24		TWP 3S	_	RNG (E 41W	/W)	Acres Attributed 80		Attributed
Field Cherry (Creek				Reservoir Niobrara					thering Conn Systems In			
Completion Date 9-10-2004					Plug Back Total Depth 1502'				Packer	Set at			
Casing Size Weight 4 1/2" 10.5#					Internal E 4.052	Diameter	Set 150		Perfo	orations 2'	To 1330'		
Tubing S	Tubing Size Weight					Diameter	Set	at	Perf	orations	То	То	
Type Cor Single (Type Flui Dry Ga	d Production	n			nit or Traveling	Plunger? (Yes)/ No	
	g Thru		nulus / Tubir	g)		Carbon Dioxi	de		% Nitrog		Gas G	ravity - (a,
Vertical E		1)				Pres Flan	sure Taps	.	•			Run) (P	rover) Size
Pressure	Ruildu	· · ·	Shut in 6-7	7	20_14_at_9		(AM)(PM)	Taken 6-	-19		14 _{at} 9:30		(AM)(PM)
Well on L		•	Started 6-2		20 14 at 9:30 (PM) (PM) Taken 6-						14 _{at} 10:15	<u> </u>	
						OBSERVE	D SURFAC	E DATA		<u> </u>	Duration of Shut	-in_36	D Hours
Static / Dynamic	atic / Orifice Meter Differentia		Pressure Differential ure in	Flowing Temperature		Wellhead	sing I Pressure	Wellho	Tubing ead Pressure or (P ₁) or (P _c)	Duration (Hours)	Liqui	Liquid Produced (Barrels)	
Property	(inch	es)	psig (Pm)	Inches H ₂ 0	t	t	psig	psia	psig	psia		-	
Shut-in Flow				-			155 54	169.4 68.4		- -	360	0	
]					FLOW STE		<u> </u>					
Coefficient Meter or Exte			Press Extension ✓ P _m x h	Grav Fact	vity .	Flowing Temperature Factor	Dev Fa	iation ictor	Metered Flo R (Mcfd)	w GOR (Cubic Fo	eet/	Flowing Fluid Gravity G _m	
										28			
					(OPEN FL	OW) (DELIV	ERABILITY) CALCUL	ATIONS	·) ² = 0.2	207
(P _c) ² =		<u>_:</u>	(P _w) ² :	Choose formula 1 or 2	P _d =	 _	% (P _c - 14.4) +	14.4 = _	<u> </u>	(P _d) ² =	
or	$ \begin{array}{c c} (P_c)^2 \cdot (P_a)^2 & (P_c)^2 \cdot (P_w)^2 & 1 \cdot P_c^2 \cdot P_a^2 \\ \text{or} & 2 \cdot P_c^2 \cdot P_d^2 \\ \text{divided by: } P_c^2 \cdot P \end{array} $			LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Sic A:	essure Curve ppe = "n" - or ssigned dard Slope	l n x	roe	Antilog	Del Equals	pen Flow liverability s R x Antilog (Mcfd)	
							_						
Open Fla				 Mcfd @ 14	65 peia		 Delivera				Mcfd @ 14.65 ps	sia	
Open Flo		iane	d authority /			states that h	_		o make t	he above ren	ort and that he h		vledge of
			•	aid report is tru		t. Executed	I this the _1						₂₀ 14
						Recei IS CORPORATI				ull	Mail	20	4
			Witness	(if any)		FEB 2					Company		
			For Com	mission		NSERVATION WICHITA	l Othicion			Che	acked 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 Zimbelman 3-24
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: _12/12/14
Received KANSAS CORPORATION COMMISSION Signature: Convert Martine
FEB 2 5 2015 Title: Production Assistant
CONSERVATION DIVISION WICHITA, 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.

W382 Zimbelman 03-24 St. Francis

St. Francis

None

June-134

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	_DOWN_	(Maximum length 110 characters)
6/1/20134	57	70	3	ı o	
6/2/2013	62	75	29	9 0	
6/3/201	59	72	25	9 0	turn on pumping unit
6/4/2013	74	87	25	9 0	
6/5/2013	51	64	30) ()
6/6/2013	52	65	36	0	turn off pumping unit
6/7/201	136	149	18	3 9	
6/8/201	140	153	18	3 24	
6/9/2013	143	156	() 24	
6/10/201 8	148	161) 24	
6/11/2013	148	161	() 24	
6/12/2013	153	166) 24	
6/13/2013	150	163) 24	
6/14/2013	151	164	() 24	•
6/15/2013	152	165	() 24	
6/16/2013	153	166) 24	
6/17/2013	153	166	() 24	
6/18/2013	154	167	() 24	
6/19/2013	155	168	() 24	
6/20/2013	155	168	() 24	
6/21/2013	155	168	() 24	
6/22/2013	155	168	() 24	
6/23/201	123	136	4.	. 5	
6/24/2013	113	126	4		
6/25/2013	105	118	42		
6/26/2013	92	105	3'		
6/27/201	84	97	34		
6/28/2013	68	71	33		
6/29/201B	56	69	32	2 0	started pumping unit
6/30/201	56	69	32		
7/1/2013				0	<u> </u>

Total 512

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W382 Zimbelman 03-24 St. Francis St. Francis None July-14

	Casing			HRS	Water	REMARKS
DATE	PSI	STATIC M	1CF_	DOWN	BBLS	(Maximum length 110 characters)
7/1/2014	57	70	32	0	18	
7/2/2014	57	70	32	0	19	
7/3/2014	57	70	32	0	20	
7/4/2014	57	70	32	0	19	
7/5/2014	58	71	32	0	18	
7/6/2014	58	71	32	0	20	
7/7/2014	73	86	31	0	29	
7/8/2014	59	72	31	0	18	
7/9/2014	60	73	31	0	19	
7/10/2014	60	73	31	0	20	
7/11/2014	61	74	30	0	19	
7/12/2014	62	. 75	30	0	20	
7/13/2014	63	76	30	0	18	
7/14/2014	73	86	30	0	19	
7/15/2014	53	66	31	0	20	5 min bt
7/16/2014	53	66	31	0	19	
7/17/2014	56	69	30	0	20	
7/18/2014	56	69	29	0	18	
7/19/2014	56	69	30	0	19	
7/20/2014	110	123	30	0	20	
7/21/2014	152	165	3	0	19	
7/22/2014	84	97	25	22	20	
7/23/2014	62	75	30	7	19	
7/24/2014	65	78	29	3	5	
7/25/2014	65	78	28	4	0	started pumping unit
7/26/2014	52	65	28	0	16	
7/27/2014	54	67	28	0	19	
7/28/2014	56	69	29	0	18	
7/29/2014	58	71	28	0	19	
7/30/2014	55	68	29	0	20	
7/31/2014	56	69	29	0	19	

Total 903 566

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CONSERVATION DIVISION WICHITA, KS

W382

Zimbelman 03-24

St. Francis

St. Francis

None

Total

August-14

	Casing							HRS		Water	REMARKS
DATE	PSI	S	TATIC	MCF	SPM	_	CYCLE	DOWN		BBLS	(Maximum length 110 characters
8/1/2014		56	69		29	6.5	12		0	20	
8/2/2014		56	69		29	6.5	12		0	20	
8/3/2014		55	68		29	6.5	12		0	20	
8/4/2014		55	68		29	6.5	12		0	20	
8/5/2014		55	68		29	6.5	12		0	20	
8/6/2014		55	68		29	6.5	12		0	20	5 min BT
8/7/2014		56	69		29	6.5	12		0	20	
8/8/2014		56	69		29	6.5	12		0	20	
8/9/2014		60	73		29	6.5	12		0	20	
8/10/2014		58	71		29	6.5	12		0	20	
8/11/2014		57	70		29	6.5	12		0	20	
8/12/2014		55	68		29	6.5	12		0	20	
8/13/2014		55	68		29	6.5	12		0	20	
8/14/2014		55	68		29	6.5	12		0	20	
8/15/2014		60	73		27	6.5	12		3	20	
8/16/2014		58	71		27	6.5	12		0	20	
8/17/2014		58	71		27	6.5	12		0	20	
8/18/2014		60	73		28	6.5	12		0	20	
8/19/2014		65	78		28	6.5	12		2	20	
8/20/2014		65	78		28	6.5	12		0	20	
8/21/2014		59	72		29	6.5	12		0	20	
8/22/2014		59	72		28	6.5	12		0	20	
8/23/2014		53	66		28	6.5	12		0	20	
8/24/2014		55	68		28	6.5	12		0	20	
8/25/2014		70	83		8	6.5	12		0	20	
8/26/2014		56	69		28	6.5	12		0	20	
8/27/2014		59	72		28	6.5	12		0	20	
8/28/2014		66	79		28	6.5	12		0	10	
8/29/2014		53	66		25	6.5	12		5	10	
8/30/2014		66	79		25	6.5	12		0	20	
8/31/2014		67	80		28	6.5	12		0	20	

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