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

Type Test:	: en Flow	<b>MST</b>		(-	See Instruc	tions on Re	overse Side				
. —	liverabilty	<b>-</b> -		Test Date 8/19/201					No. 15 3-20607-00	- 00	
Company		urces, Inc.			· · · · · ·	Lease Zweyga	ardt			2-24	Well Number
County Cheyenn	18	Location NE NE/4	<u> </u>	Section 24		TWP 3S		RNG (E 41W			Acres Attributed BO
Field Cherry C	reek			Reservoir Niobrara					hering Conn Systems In		
Completio 5/4/2005				Plug Bad 1425'	k Total Dep	th		Packer S	Set at		
Casing Si 4 1/2"		Weight 10.5#		Internal E 4.052	Diameter	Set <b>142</b>		Perfo 120	rations 2'	To 1236'	
Tubing SI	2 3/8	// Weight		Internal [	Diameter	Set 12	at , 76		rations	To	
Type Corr Single (	apletion (C	Describe)		Type Flui Dry Ga	d Productio IS	n		Pump	nit or Traveling ing Unit		
Producing Annulus		nnulus / Tubing)		% C	arbon Dlox	ide		% Nitrog	jen	Gas Gn .6	avity - G <sub>g</sub>
Vertical D 1236'	epth(H)			•	Pres Flan	sure Taps				(Meter F 2"	Run) (Prover) Size
Pressure	Buildup:				:45	(AM)(PM)				11 at 10:00	(AM)PM)
Well on Li	lne:	Started 8-19	2	0 11 at 1	0:00	(AM)(PM)	Taken 8-	20	20	11 at 10:45	(AM) (PM)
		_		,	OBSERVE	D SURFAC	E DATA			Duration of Shut-	in 24 Hours
Static / Dynamic Property	Orllice Size (inches)	Circle one: Mater Prover Pressure		Flowing Temperature	Well Head Temperature	Wellhead	sing i Pressure P,) or (P,)	Wellhe	Tubing ead Pressure r (P,) or (P,)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In		psig (Pm)	Inches H <sub>2</sub> 0			psig 77	91.4	psig	psla		
Flow						66	80.4		-	24	
				<b>!</b>	FLOW STI	REAM ATT	RIBUTES	· I	<del></del>		
Plate Coeffied (F <sub>b</sub> ) (F Motd	ient P	Circle one: Meter or rover Pressure psla	Press Extension P <sub>m</sub> xh	Grav Fac F	tor	Flowing Temperature Factor F <sub>tr</sub>	Fa	riation actor	Metered Flo R (Mcfd)	w GOR (Cubic Fe Barrel)	Gravity
									71		
(P <sub>c</sub> ) <sup>2</sup> =	:	(P <sub>w</sub> ) <sup>2</sup> =	:	(OPEN FL		/ERABILITY % (	Y) CALCUL (P <sub>a</sub> - 14.4) +		:	(P <sub>a</sub> ) (P <sub>d</sub> )	<sup>2</sup> = 0.207 <sup>2</sup> =
(P <sub>a</sub> )² - (I or (P <sub>a</sub> )² - (I		(P <sub>e</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sup>2</sup> -P <sup>2</sup> 2. P <sup>2</sup> -P <sup>2</sup> rided by: P <sup>2</sup> -P	LOG of formula 1. or 2. and divide	P. 2 - P. 2	Backpro Sk	essure Curve ope = "n" or ssigned dard Slope	,	roe	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
					<u>.</u>			_			
Open Flo	<u> </u> w		Mcfd Ø 14	.65 psia		Delivera	bility			Mcfd @ 14.65 psi	ia
		ed authority, on	-		states that		<u> </u>	to make t	he above rep	ort and that he ha	
	-	eln, and that said				_	28		December		, <sub>20</sub> <u>11</u> .
		Williams His	mul.					DU	nll_	GUV	$\omega_{ extit{ iny RECEIV}}$
		Witness (if a								ecked by	APD 1
		For Commiss	O. P. C.						Cni	uun <b>eu</b> Uy	mrx 24
											APR 2 4 KCC WICI

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status und	der Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
and that the fore	going pressure information and statements contained on this application form are true and
correct to the bes	t of my knowledge and belief based upon available production summaries and lease records
of equipment insta	allation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby requ	est a one-year exemption from open flow testing for the Zweygardt 2-24
	rounds that said well:
<del>-</del>	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 e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
	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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Zweygardt 02-24

St. Francis

St. Francis

None

August-11

FloBoss

	Casing					HRS	Water	REMARKS
DATE	PSI	STATIC M	1CF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
8/1/2011	68	_	72	8	14		25	
8/2/2011	66	79	72	8	14		37	
8/3/2011	68	81	72	8	14		39	
8/4/2011	67	80	72	8	14		37	
8/5/2011	66	79	72	8	14		40	2.5 min bt greased
8/6/2011	67	80	72	8	14		41	
8/7/2011	66	79	72	8	14		39	
8/8/2011	65	78	72	8	14		36	2.75 min bt
8/9/2011	65	78	72	8	14		36	
8/10/2011	63	76	75	8	14		31	
8/11/2011	75	88	67	8	7		18	turned off pu, high fp
8/12/2011	93	106	64	8	0		0	
8/13/2011	84	97	71	8	0		0	
8/14/2011	76	89	63	8	0		0	
8/15/2011	90	103	62	8	0		0	
8/16/2011	67	80	67	8	7		18	restart pu
8/17/2011	106	119	43	8	7	5	18	pu off hfp
8/18/2011	65	78	61	8	7	4	18	pu off squeeze well, SI
8/19/2011	77	90	0	8	7	24	18	reopen well / restart pu
8/20/2011	66	79	72	8	14		32	•
8/21/2011	66	79	68	8	14		33	
8/22/2011	65	78	68	8	14		31	
8/23/2011	84	97	68	8	14		40	2.5 min bt
8/24/2011	63	76	68	8	14		41	
8/25/2011	67	80	69	8	14		43	
8/26/2011	65	78	69	8	14		42	
8/27/2011	66	79	71	8	14		41	
8/28/2011	66	79	71	8	14		40	
8/29/2011	66	79	71	8	14		39	
8/30/2011	66	79	71	8	14		28	3.5 min bt
8/31/2011	66	79	72				27	

Total 2059 888

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Zweygardt 02-24

St. Francis

St. Francis

None

September-11

FloBoss

•	Casing					HRS	Water	REMARKS
DATE	PSI	STATIC				DOWN	BBLS	(Maximum length 110 character
9/1/2011	67						28	
9/2/2011	67	80	72	8	10		27	
9/3/2011	67	80	71	8	10		25	
9/4/2011	67	80	72	8	10		27	
9/5/2011	66	79	72	8	10		24	
9/6/2011	65	78	72	8	10		22	3.25 min bt
9/7/2011	67	80	72	8	10		21	
9/8/2011	66	79	71	8	10		23	
9/9/2011	66	79	71	8	10		23	
9/10/2011	65	78	72	8	10		21	
9/11/2011	67	80	72	8	10		20	
9/12/2011	66	79	71	8	10		23	
9/13/2011	65	78	72	8	10		24	
9/14/2011	67	80	34	8	10		19	
9/15/2011	66	79	40	8	10		20	
9/16/2011	66	79	40	8	10		22	3.25 min bt
9/17/2011	65	78	40	8	10		21	
9/18/2011	65	78	40	8	10		23	
9/19/2011	66	79	40	8	10		22	
9/20/2011	65	78	40	8	10		22	3.25 min bt
9/21/2011	66	79	40	8	10		21	
9/22/2011	65	78	40	8	10		23	
9/23/2011	64	77	40	8	10		26	
9/24/2011	66	79	40				19	
9/25/2011	65	78	39				18	
9/26/2011	65	78	40				20	
9/27/2011	62						21	
9/28/2011	68							3 min bt chg timer to 12 hrs
9/29/2011	62						30	
9/30/2011	63						28	
10/1/2011					- <b>-</b>			
Total			1607	=	•		692	

Total 1607 692

W386

Zweygardt 02-24

St. Francis

St. Francis

None

Total

October-11

FloBoss

	Casing				I	HRS	Water	REMARKS
DATE	PSI	STATIC N	MCF	SPM	CYCLE	OOWN	BBLS	(Maximum length 110 characters
10/1/2011	67	80	40	8	12		18	
10/2/2011	67	80	39	8	12		16	
10/3/2011	66	79	39	8	12		19	
10/4/2011	65	78	39	8	12		17	
10/5/2011	64	77	40	8	12		18	4.75 min bt
10/6/2011	67	80	41	8	12		19	
10/7/2011	66	79	39	8	12		19	
10/8/2011	65	78	40	8	12		18	
10/9/2011	66	79	39	8	12		17	
10/10/2011	66	79	39	8	12		18	
10/11/2011	65	78	38	8	12		19	
10/12/2011	63	76	40	8	6		10	greased pu off no water
10/13/2011	69	82	42	8	0		0	
10/14/2011	64	77	40	8	0		0	
10/15/2011	65	78	38	8	0		0	
10/16/2011	64	77	36	8	0		0	
10/17/2011	63	76	35	8	6		10	restart pu
10/18/2011	69	82	35	8	12		17	_
10/19/2011	67	80	37	8	12		16	3.5 min bt chg check valve
10/20/2011	64	77	39	8	12		9	•
10/21/2011	64	77	40	8	12		10	good water
10/22/2011	65	78	40	8	12		16	_
10/23/2011	65	78	39	8	12		15	
10/24/2011	65	78	40	8	12		13	gas with water
10/25/2011	65	78	40	8	12		12	_
10/26/2011	64	77	40	8	12		13	
10/27/2011	64	77	40	8	12		17	5 min bt
10/28/2011	64	77	40	8	12		15	
10/29/2011	64	77	40	8	12		18	
10/30/2011	64	77	39	8	12		15	
10/31/2011	64	77	39	8	12		18	

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