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

Type Test	t:		1CT		(	See Instruc	tions on Rev	verse Side	)				
Op	en Flo	w 🎉	ASI		<b>-</b>				4.00				
	liverab				Test Date 6/8/2013					1 No. 15 3-20607 <b>-</b> 00 <b>0</b>	۵		
Company		sou	rces, Inc.				Lease Zweyga	rdt			2-24	Well Nu	mber
County Cheyenr	ne		Locati NE NE		Section 24		TWP 3S		RNG (E	/W)		Acres A 80	ttributed
Field Cherry C	:reek				Reservoir					thering Conn Systems In			
Completic		e				k Total Dept	 th		Packer				
5/4/2005	5				1425'								
Casing S 4 1/2"	ize		Weigh 10.5#		Internal I 4.052	Diameter	Set a 142		120	orations 12'	то 1 <b>236</b> '		
Tubing Si	ize		Weigh	nt	Internal I	Diameter	Set a	t	Perfo	orations	То		
Type Con Single (					Type Flui Dry Ga	d Production	ı			nit or Traveling ing Unit	Plunger? Yes	)/ No	
	_	(Anı	nulus / Tubin	g)	% C	arbon Dioxi	de		% Ņitrog	gen	Gas Gr	avity - G	i <sub>g</sub>
Annulus Vertical D	-	11				Dree	sure Taps				.6	Dun\ (Di	over) Size
1236'	eptn(F	1)				Flan	•				2"	auri) (Pi	over) Size
Pressure	Buildu	p:	Shut in 6-7	2	20 13 at 9	.15	(AM)(PM)	Taken 6-	8	20	13 <sub>at</sub> 10:00	(	AM) PM)
Well on L	ine:	-	Started 6-8	2	13 at 1	0:00	(AM)(PM)	Taken 6-	9	20	13 at 10:45	(	AM) (PM)
						OBSERVE	D SURFACE	DATA			Duration of Shut-	24	Hours
Static /	Orifi	ce	Circle one: Meter	Pressure	Flowing	Well Head	Casi	•	,	Tubing	Duration		d Produced
Dynamic Property	Dynamic Size		Prover Presso	Differential in Inches H <sub>2</sub> 0	Temperature t	Temperature t	Wellhead I (P <sub>w</sub> ) or (P	) or (P <sub>c</sub> ) (P <sub>w</sub> )		ead Pressure or (P <sub>t</sub> ) or (P <sub>c</sub> )	(Hours)	1 *	Barrels)
Shut-In			paig (i iii)	Inches 11 <sub>2</sub> 0			psig 112	psia 126.4	psig	psia			
Flow							54	68.4			24	<u> </u>	
					1	FLOW STR	EAM ATTRI	BUTES	l				
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one:  Meter or rover Pressure psia  Press Extension P <sub>m</sub> x h		Fact	Gravity - Factor F <sub>g</sub>		Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G <sub>m</sub>
										29			
	•				(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS	-	(P <sub>a</sub> )	<sup>2</sup> = 0.20	07
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =		P <sub>d</sub> =		% (P	<sub>c</sub> - 14.4) +	14.4 = _	<u>:</u> _	(P <sub>d</sub> ):	2 =	
(P <sub>c</sub> ) <sup>2</sup> - (F or (P <sub>c</sub> ) <sup>2</sup> - (F		(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2  1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w$	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Slop Ass	ssure Curve e = "n" or signed ard Slope	n x	LOG	Antilog	Deli Equals	en Flow verability R x Antilog Mcfd)
				- "				_					
Open Flor				Matal @ 14	RE pain		Dolivarahi	:::::::::::::::::::::::::::::::::::::::	<u> </u>		Mord @ 14 SE poi		
Open Flor			l andharitan a	Mcfd @ 14			Deliverabi				Mcfd @ 14.65 psi		ladas of
		-	•	n behalf of the aid report is tru		t. Executed	this the 21	Takateretiin.	day of _N	lovember	ort and that he ha	s knowi	eage or
					KA	INSAS CORP	ORATION CO	_		EN WIL	1 Mai	191	110
			Witness (i	f any)						EN MU	Company	<u> مرامه</u>	7
			For Comm	ission		CONSE	RVATION DIV				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 Zweygardt 2-24
gas well on the grounds that said well:
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:
RECEIVED KANSAS CORPORATION COMMISMENTURE:  DEC 2 6 2013  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.

W386

Zweygardt 02-24

St. Francis

St. Francis

None

June-13

FloBoss

Total

FloBoss	Casing		•			HRS	Water	REMARKS
DATE	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
6/1/2013	49	62	29	8	4		9	
6/2/2013	53	66	30	8	4		10	
6/3/2013	51	64	31	8	4		10	
6/4/2013	50	63	31	8	4		11	
6/5/2013	54	67	31	8	4		10	3 min bt
6/6/2013	62	75	31	8	4		9	
6/7/2013	58	71	32	8	2		5	si for state test - cp 60
6/8/2013	53	66	0	8	2	24	5	reopened - cp 112
6/9/2013	58	71	37	8	4		11	
6/10/2013	88	101	37	8	4	2	9	
6/11/2013	76	89	31	8	2	1	5	pu off hfp
6/12/2013	76	89	31	8	0		0	
6/13/2013	58	71	34	8	2		5	restart pu
6/14/2013	58	71	31	8	4		10	
6/15/2013	63	76	31	8	4		11	
6/16/2013	65	78	31	8	4		12	
6/17/2013	59	72	31	8	2		5	pu off
6/18/2013	54	67	31	8	0		0	•
6/19/2013	50	63	29	8	2		5	restart pu
6/20/2013	56	69	29	8	4		11	•
6/21/2013	63	76	31	8	4		10	3 min bt greased
6/22/2013	79	92	29	8	4		13	-
6/23/2013	81	94	26	8	2		5	pu off hfp
6/24/2013	78	91	28	8	0		0	-
6/25/2013	83	96	27	8	0		0	
6/26/2013	79	92	27	8	0		0	
6/27/2013	84	97	28	8	4		5	restart pu
6/28/2013	54	67	29	8	4		12	-
6/29/2013	54	67	29	8	4		10	
6/30/2013	54	67	30	8	4		11	
7/1/2013								

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DEC 2 6 2013

W386

Zweygardt 02-24

St. Francis

St. Francis

None

July-13

FloBoss

								T
	Casing					RS	Water	REMARKS
DATE	PSI	STATIC M	ICF	SPM	CYCLID	OWN	BBLS	(Maximum length 110 characters)
7/1/2013	56	69	29	8	4		10	
7/2/2013	58	71	31	8	4		7	
7/3/2013	55	68	31	8	4		9	
7/4/2013	59	72	30	8	4		8	
7/5/2013	59	72	30	8	4		11	treated well
7/6/2013	60	73	30	8	4		8	
7/7/2013	69	82	30	8	4		9	
7/8/2013	68	81	29	8	4		10	
7/9/2013	66	79	29	8	4		10	3 min bt
7/10/2013	63	76	32	8	4		9	
7/11/2013	66	79	32	8	4		11	
7/12/2013	72	85	28	8	2		5	shut pumping unit off hfp
7/13/2013	79	92	28	8	0	2.5	0	
7/14/2013	78	91	32	8	0		0	
7/15/2013	58	71	33	8	2		6	started pu
7/16/2013	55	68	30	8	4		11	
7/17/2013	52	65	30	8	4		10	3 min bt greased
7/18/2013	81	94	28	8	2		6	pu off hfp
7/19/2013	73	86	26	8	0		0	
7/20/2013	75	88	26	8	0		0	
7/21/2013	75	88	26	8	0		0	
7/22/2013	71	84	26	8	0		0	
7/23/2013	69	82	26	8	2		6	restart pu
7/24/2013	76	89	25	8	4		10	
7/25/2013	79	92	24	8	2		6	pu off hfp
7/26/2013	68	81	27	8	2		6	restart pu
7/27/2013	57	70	27	8	4		10	
7/28/2013	60	73	28	8	4		9	
7/29/2013	58	71	28	8	4		10	
7/30/2013	57	70	29	8	2	3.5	6	pu off hfp
7/31/2013	111	124	15	8	0	5.5	0	<u> </u>

Total 875 203

RECEIVED KANSAS CORPORATION COMMISSION

DEC 2 6 2013

W386 Zweygardt 02-24 St. Francis

St. Francis

None

August-13

FloBoss

	Casing					HRS	Water	REMARKS
DATE	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters
8/1/2013	79	92	26	8	_	_		
8/2/2013	78	91	30	8				
8/3/2013	74	87	30	8				
8/4/2013	75	88	28	8				
8/5/2013	66	79	24	8				
8/6/2013	56	69	24	8				
8/7/2013	51	64	24	8	1		5	restart pu
8/8/2013	56	69	24	8	2		10	
8/9/2013	59	72	26	8	2		10	
8/10/2013	57	70	26	8	1		9	
8/11/2013	55	68	27	8			8	
8/12/2013	55	68	27	8	2		10	
8/13/2013	55	68	27	8	2		7	
8/14/2013	56	69	28	8	2		5	3 min bt greased
8/15/2013	56	69	28	8	2	0.5	6	
8/16/2013	66	79	27	8	2		7	
8/17/2013	66	79	29	8	2		9	•
8/18/2013	67	80	28	8	2		10	
8/19/2013	68	81	28	8	2	1.5	4	
8/20/2013	90	103	28	8	0	1	0	
8/21/2013	86	99	24	8	0		0	
8/22/2013	90	103	27	8	0	5	0	
8/23/2013	74	87	27	8	0		0	
8/24/2013	83	96	31	8	0	1	0	
8/25/2013	88	101	21	8	0	1	0	
8/26/2013	57	70	27	8	0		0	
8/27/2013	53	66	25	8	1		3	restart pu, didn't wait for water
8/28/2013	52	65	25	8	2		6	-
8/29/2013	91	104	25	8	1	1	3	pu off hfp
8/30/2013	86	99	20	8	0		0	•
8/31/2013	87	100	20	8	0		0	

Total 811 112

RECEIVED KANSAS CORPORATION COMMISSION

DEC 2 6 2013