KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:	-		(See Instruc	tions on Re	verse Side)				
Op	en Flow	MSI		Test Date				۸D	No. 15			
De	liverabilty	1		7/9/201					3-21265-00 0	O		
Company		ources, Inc.		<u> </u>		Lease Zweyga	ırdt			33-1	Well N	umber
County Location Cheyenne NWSE				Section 19				RNG (E	_	Acres 80	Attributed	
Field Cherry C	 Creek				Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.			
Completion 9/28/201				Plug Back Total Depth 1507'				Packer S	Set at			
Casing S 4 1/2"	ize	Weig 10.5		1nternal (6.366	Diameter		Set at 1 546'		Perforations 1322')¹ 	
Tubing Si	ize	Wei	ght	Internal I	Diameter	Set a	at	Perfo	orations	То		
Type Con Single (Type Flui Dry Ga	d Production	n		Pump Ui flowing	nit or Traveling	Plunger? Yes	s (No	· ·
Producing		Annulus / Tubi	ng)	% C	arbon Dioxi	de	_	% Nitrog	jen	Gas (aravity -	G _g
Vertical D	Pepth(H)				Pres Flan	sure Taps ge				(Mete	r Run) (F	Prover) Size
Pressure	Buildup:	Shut in 7-	9	15 at 6	15 at 6:00 (AM) (PM) Taken 7-				20	15 at 6:15		(AM(PM)
Well on L	.ine:	Started 7-	10	20 <u>15</u> at 6	:15	(AM) (PM)	Taken 7-	11	20	15 at 6:40		(AM)(PM)
					OBSERVE	D SURFAC	E DATA	1		Duration of Shu	_{it-in} _24	Hours
Static / Dynamic Property	Orifice Size (inches	Meter Differen Prover Pressure in		Flowing Temperature t	Temperature Temperature		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c)			id Produced (Barrels)
Shut-In		psig (Pm) Inches H ₂ 0	_		173	187.4	psig_	psi <u>a</u>	<u> </u>		
Flow						54	68.4			24		
г					FLOW STE	EAM ATTR	IBUTES			 		, -
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension	ension Factor		Temperature		viation Metered Flow factor R F _{pv} (Mcfd)		GOI (Cubic I Barre	Feet/	Flowing Fluid Gravity G _m
							_	_	36	_		
-	'			•	OW) (DELIV		-				a) ² = 0.3	207
(P _c) ² =		: (P _w) ²	Choose formula 1 or	P _d =		1	o _c - 14.4) +	14.4 = _	 :		/ _d) ² =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		$(P_c)^2 - (P_w)^2$	1. P _c ² -P _e ² 2. P _c ² -P _d ²	LOG of formula 1, or 2. and divide	P _c ² - P _w ²	Backpressure Curv Slope = "n" or Assigned Standard Slope		n x	LOG	Antilog	De	pen Flow liverability s R x Antilog (Mcfd)
			divided by: P _c ² - P _v	,,		- Ottalia			_			
												_
Open Flo	w		Mcfd @ 14	.65 psia		Deliverab	oility			Mcfd @ 14.65 p	sia	
	-	•	on behalf of the	, ,		•			ne above repo December	rt and that he i		viedge of 20 15 .
ine facts s	iated the	rein, and that	said report is tru	e and correc	ı. ⊨xecuted	inis the <u>''</u>		uay of		11 11	1.	
	<u> </u>	Witness	s (if any)	KC	C MIC	HITA -			Cer Mi	U TV	Wi	lung
		For Car	nmission	AP	R 07 2	016			Chec	cked by	<u> </u>	

RECEIVED

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to requ	ıest
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 reco	ords
of equipment installation and/or upon type of completion or upon use being made of the gas well herein nam	ed.
I hereby request a one-year exemption from open flow testing for the Zweygardt 33-19	
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 Comm	nission
staff as necessary to corroborate this claim for exemption from testing.	
Date: 12/18/15	
Jate: 12/10/15	
KCC WICHITA Signature: Janual Montay)
~ ~ VOIL /	_
	_ -
RECEIVED	

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.

W2749 Zwa fardi 35-19 4

St. Francis

St. Francis

Flow

July-15

FloBoss

FloBoss									
	Tubing	Casing					HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
7/1/2015		51	64	36				0	
7/2/2015		51	64	36				0	
7/3/2015		50	63	36				0	
7/4/2015		50	63	36				0	
7/5/2015		50	63	36				0	
7/6/2015		50	63	37				2	
7/7/2015		49	62	36				0	
7/8/2015		49	62	36			1	6	
7/9/2015		71	84	23			2	.4	
7/10/2015		173	186	1			1	4	
7/11/2015		99	112	54				0	
7/12/2015		75	88	42				0	
7/13/2015		59	72	39				0	
7/14/2015		51	64	38				0	
7/15/2015		52	65	38				0	
7/16/2015		50	63	38		0		0	
7/17/2015		50	63	38				0	
7/18/2015		49	62	37				0	
7/19/2015		49	62	37				0	
7/20/2015		48		37				0	
7/21/2015		52	65	37				2	
7/22/2015		49						0	
7/23/2015		49	62					0	
7/24/2015		48	61	37				0	
7/25/2015		48	61	37				0	
7/26/2015		48		37				0	
7/27/2015		48		36				0	
7/28/2015		48		36				0	
7/29/2015		48		36				0	
7/30/2015		48		3€				0	
7/31/2015		48	61	36	i			0	

Total 1113 0

> KCC WICHITA APR 07 2016 RECEIVED

W2749 Zweygardt56-19

St. Francis

St. Francis

Flow

August-15

FloBoss

FloBoss								
	Tubing	Casing				HRS	Water	REMARKS
DATE	PSI	PSI ST	ATIC MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
8/1/2015		47	60	22			0	
8/2/2015		47	60	22			0	
8/3/2015		48	61	22			0	
8/4/2015		47	60	22		ļ	0	
8/5/2015		47	60	22		İ	0	
8/6/2015		47	60	22		I	0	
8/7/2015		47	60	22		I	0	
8/8/2015		48	61	22			0	
8/9/2015		49	62	21			0	
8/10/2015		51	64	21			0	
8/11/2015		53	66	36			0	
8/12/2015		53	66	36			0	
8/13/2015		53	66	37			0	
8/14/2015		53	66	37			0	
8/15/2015		54	67	37			0	
8/16/2015		55	68	37			0	
8/17/2015		55	68	37			0	
8/18/2015		54	67	40			0	
8/19/2015		54	67	40			0	
8/20/2015		54	67	40			0	
8/21/2015		54	67	40			0	
8/22/2015		54	67	40			0	
8/23/2015		54	67	40			0	
8/24/2015		53	66	36			0	
8/25/2015		54	67	36			0	
8/26/2015		54	67	36			0	
8/27/2015		54	67	36			0	
8/28/2015		54	67	36			0	
8/29/2015		54	67	36			0	
8/30/2015		54	67	36			4	
8/31/2015		54	67	36			0	

Total 1003 0

> KCC WICHITA APR 07 2016 RECEIVED

W2749

Zweygardt33-19

St. Francis

St. Francis

Flow

September-15

FloBoss

FloBoss							
	Tubing	Casing			HRS	Water	REMARKS
DATE	PSI	PSI		MCF SPM	CYCLE DOW	N BBLS	(Maximum length 110 characters)
9/1/2015		50	63	39		0	
9/2/2015		49	62	37		0	
9/3/2015		<i>5</i> 2	65	37		0	
9/4/2015		52	65	37		0	
9/5/2015		61	74	37		0	
9/6/2015		61	74	37		0	
9/7/2015		58	71	37		0	
9/8/2015		58	71	37		0	
9/9/2015		51	64	39		0	
9/10/2015		51	64	39		0	
9/11/2015		51	64	39		0	
9/12/2015		51	64	39		0	
9/13/2015		51	64	39		0	
9/14/2015		51	64	39		0	
9/15/2015		51	64	39		0	
9/16/2015		51	64	39		0	
9/17/2015		51	64	39		0	
9/18/2015		51	64	39		0	
9/19/2015		51	64	39		0	
9/20/2015		51	64	39		0	
9/21/2015		51	64	39		0	
9/22/2015		51	64	39		0	
9/23/2015		51	64	39		0	
9/24/2015		51	64	39		0	
9/25/2015		51	64	39		0	
9/26/2015		51	64	39		0	
9/27/2015		51	64	39		0	
9/28/2015		51	64	39		0	
9/29/2015		51	64	39		0	
9/30/2015		51	64	39		0	
10/1/2015			13			0	

Total 1156 0

KCC WICHITA APR 0.7 2016 RECEIVED