KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:	NAT		(See Instruct	tions on Re	verse Side	9)					
∐ Op	Open Flow Test Date			ı:	API No. 15								
De	liverabilty			7/9/2019					-21254-00 0	0			
Company	od Reso	urces, Inc.				Lease Zweyga	rdt			12-19	Well Nu	mber	
County Location Section Cheyenne SWNW 19						TWP RNG (E/W) 3S 40W				Acres Attributed 80			
Field Cherry C	reek			Reservoir					hering Conne Systems Inc				
Completic 9/23/201	n Date			Plug Bac	k Total Dept	th	Packer Set at						
Casing Si 4 1/2"		Weight 10.5#		Internal E 6.366	Diameter	Set a		Perfo	rations 1'	To 1334'	то 1334'		
Tubing Si NONE		Weight		Internal C	Diameter		Set at		rations	То			
Type Com Single (Type Flui	d Production	n	Pump Un flowing			Plunger? Yes	No	-	
Producing	Thru (A	nnulus / Tubing)		arbon Dioxi	de		% Nitrog		Gas Gr	avity - C	<u> </u>	
Annulus Vertical D					Prop	sure Taps					Run\ /Pr	over) Size	
1550'	——————————————————————————————————————				Flan	ge				2"			
Pressure	Buildup:				15 at 5:20 (AMX(PM)) Ta						(AM(PM)	
Well on Li	ine: 	Started 7-10	J2	0 15 at 5		(AM) (PM)	Taken	11	20	15 _{at} 5:45	(AM)(PM)	
		_			OBSERVE	D SURFAC	E DATA			Duration of Shut-	in_24	Hours	
Static / Dynamic	ynamic Size Prover Pressure in		Differential	Flowing Well Head Temperature Temperature		Casing Wellhead Pressure (P_w) or (P_1) or (P_0)		Tubing Wellhead Pressure (P _w) or (P _c)		Duration (Hours)		I Produced Barrels)	
Property Shut-In	(Inches)	psig (Pm)	Inches H ₂ 0	t	<u> </u>	psig 135	psia 149.4	psig	psia	_			
Flow						51	65.4		 -	24	 		
		· -			FLOW STR	EAM ATTR	IBUTES				- <u>-</u> -		
/E \ /E \ Prover Pressure		Press Extension	Grav Fact	tor	Temperature Fa		viation Metered Flow actor R F _{pv} (Mcfd)		v GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m		
_					_				9		_		
_		<u>\</u>		(OPEN FL	OW) (DELIV	ERABILITY) CALCUL	ATIONS		(P _a)	²= 0.2	 07	
(P _c) ² =	 -:	(P _w) ² =		P _d =		% (F	² _c - 14.4) <u>+</u>	14.4 =	<u> </u>	(P _d)	² =		
(P _c) ² - (F or (P _c) ² - (F	P _a) ²	(P _c) ² - (P _w) ²	1. P _c ² - P _a ² 2. P _c ² - P _d ²	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Slo As	ssure Curve pe = "n" - or signed ard Slope		Log	Antilog	Deli Equals	en Flow verability R x Antilog Mcfd)	
-			divided by: $P_c^2 - P_w^2$	by:	<u></u>	Jiano	John	_		1			
Open Flor	N		Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd @ 14.65 ps	ia		
	-					·-				ort and that he ha	as know	edge of	
the facts st	tated ther	ein, and that sa	id report is true						. 4	n1	,2 	20 <u>15 </u>	
		Witness (if	any)	K(C MIC	CHITA		Za	MAUL	Company Company	ull	ny_	
		For Comm	ission	Δ	PR 0-7	2016			Che	cked by			

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exempt status under Rule K.A.R. 82-3-30 and that the foregoing pressure information correct to the best of my knowledge and of equipment installation and/or upon types.	ander the laws of the state of Kansas that I am authorized to request 04 on behalf of the operator Rosewood Resources, Inc. ation and statements contained on this application form are true and belief based upon available production summaries and lease records be of completion or upon use being made of the gas well herein named. Sign from open flow testing for the Zweygardt 12-19
(Check one) is a coalbed methane is cycled on plunger is a source of natural is on vacuum at the p √ is not capable of proc	lift due to water I gas for injection into an oil reservoir undergoing ER Present time; KCC approval Docket No ducing at a daily rate in excess of 250 mcf/D of my ability any and all supporting documents deemed by Commission
Date: 12/18/15	
KCC WICHITA APR 0.7 2016 RECEIVED	Signature: <u>Janual Mauling</u> Title: <u>Production Assistant</u>

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.

W2733 Zwaygardul 2-19. M

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		54	67		9		-	0	
7/2/2015		54	67		9			0	
7/3/2015		<i>5</i> 3	66		9			0	
7/4/2015		54	67		9			0	
7/5/2015		54	67		9			0	
7/6/2015		53	66		9			2	
7/7/2015		53	66		9			0	
7/8/2015		53	66		9		1	6	
7/9/2015		135	148		0		2	4	
7/10/2015		173	186		1		1	4	
7/11/2015		119	132		18			0	
7/12/2015		80	93		18			0	
7/13/2015		63	76		11			0	
7/14/2015		55	68		11			0	
7/15/2015		55	68		11			0	
7/16/2015		54	67		10			0	
7/17/2015		54	67		10			0	
7/18/2015		53	66		10			0	
7/19/2015		52	: 65		10			0	
7/20/2015		52	: 65		10			0	
7/21/2015		56	69		10			2	
7/22/2015		52	65		10			0	
7/23/2015		52	9 65		10			0	
7/24/2015		52	. 65		10			0	
7/25/2015		52	65		10			0	
7/26/2015		52	. 65		10			0	
7/27/2015		51	64		9			0	
7/28/2015		51	. 64		9			0	
7/29/2015		51	64		9			0	
7/30/2015		51	64		9			0	
7/31/2015		51	64	,	9		_	0	

297 Total

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W2733

St. Francis

St. Francis

Flow

August-15

FloBoss

FloBoss		~ .	_					7771171
	Tubing	Casing		 		HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
8/1/2015		52		9			0	
8/2/2015		52		9			0	
8/3/2015		53	66	9			0	
8/4/2015		5 l		9			0	
8/5/2015		51	64	9			0	
8/6/2015		51	64	9			0	
8/7/2015		51		9			0	
8/8/2015		52	65	9			0	
8/9/2015		53		9			0	
8/10/2015		55		9			0	
8/11/2015		56		9			0	
8/12/2015		5€		9			0	
8/13/2015		57		9			0	
8/14/2015		57	70	9			0	
8/15/2015		57		9			0	
8/16/2015		58	3 71	9			0	
8/17/2015		58	3 71	9			0	
8/18/2015		57	7 70	9			0	
8/19/2015		57	7 70	9			0	
8/20/2015		57	7 70	9			0	
8/21/2015		57	7 70	9			0	
8/22/2015		57	7 70	9			0	
8/23/2015		57	7 70	9			0	
8/24/2015		56	69	9			0	
8/25/2015		63	76	9			0	
8/26/2015		63	76	9			0	
8/27/2015		63		9			0	
8/28/2015		63	3 76	9			0	
8/29/2015		63		9			0	
8/30/2015		63	3 76	9			4	
8/31/2015		63	3 76	9			0	

Total 279 0

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Zwaygardh 12-19

St. Francis

St. Francis

Flow

September-15

FloRoss

<u>FloBoss</u>								
	Tubing	Casing				HRS	Water	REMARKS
DATE	PSI		STATIC		PM CYCLE	DOWN	BBLS	(Maximum length 110 characters)
9/1/2015		53	66	9		•	0	
9/2/2015		53	66	9			0	
9/3/2015		55	68	9			0	
9/4/2015		55	68	9			0	
9/5/2015		63	76	9			0	
9/6/2015		64	77	9			0	
9/7/2015		61	74	9			0	
9/8/2015		61	74	9			0	
9/9/2015		54	67	9			0	
9/10/2015		54	67	9		1	0	
9/11/2015		54	67	9			0	
9/12/2015		54	67	9			0	
9/13/2015		54	67	9			0	
9/14/2015		54	67	9			0	
9/15/2015		54	67	9			0	
9/16/2015		54	67	9			0	
9/17/2015		54	67	9			0	
9/18/2015		54	67	9			0	
9/19/2015		54	67	9			0	
9/20/2015		54	67	9			0	
9/21/2015		54	67	9			0	
9/22/2015		54	67	9			0	
9/23/2015		54	67	9			0	
9/24/2015		54	67	9			0	
9/25/2015		54	67	9			0	
9/26/2015		54	67	9			0	
9/27/2015		54	67	9			0	
9/28/2015		54	67	9			0	
9/29/2015		54	67	9			0	
9/30/2015		54	67	9			0	
10/1/2015			13				0	

Total 270 0

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