KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:	4	-XT		(See Instruc	tions on Rev	erse Side)					
= :	en Flow	-	N3I-		Test Date	Test Date: API No. 15								
De	liverabil	ty			7/9/201					-21268-00 0	<u> </u>			
Company Rosewo		our	ces, Inc.				Lease Zimbelm	ian			23-24	Well Nur	nber	
County Location Cheyenne NESW					Section 24					W)		Acres Attributed 80		
Field Ficherry Creek							_		Gas Gathering Connection Branch Systems Inc.					
Completion Date F						k Total Dep	th		Packer S	et at				
Casing Size Weight II					Internal E 6.366	Diameter	Set a 1499		Perfor	rations 1'	то 1334'			
Tubing Si	ize		Weigh		Internal I	Diameter	Set a	rations	То					
Type Con Single (Type Flui Dry Ga	d Production	n		Pump Un	it or Traveling	Plunger? Yes	No		
	•		ulus / Tubing	<u>,</u>	<u>-</u>	arbon Dioxi	 ide		% Nitrog		Gas Gr	avity - G	g	
Annulus											.6			
Vertical D	Pepth(H)					Pres Flan	sure Taps				(Meter I	Run) (Pro	over) Size	
Pressure	Buildun		7-9		, 15 _{at} 6			Taken 7-	10		15 at 6:35		AM((PM))	
Well on L	•		Started 7-1								15 at 6:50	•	AM)(PM)	
		_			_	OBSERVE	D SURFACE	DATA	<u>-</u>		Duration of Shut-	in 24	Hours	
Static /	Static / Orifice Circle one: Pressure				Flowing	Well Head	, 	Casing Tubing						
Dynamic Property	namic Size Prover Pressure		Differential in Inches H _o 0	Temperature t	Temperature t	mperature (P_w) or (P_t) or (P_c)			Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia			Produced arrels)		
Shut-In						_	172	186.4	paig	psia				
Flow							46	60.4			24			
						FLOW STE	REAM ATTRI	BUTES						
Plate Coeffied (F _b) (F Mofd	ient p)	1	Circle one: Meter or rer Pressure psia	Press Extension ✓ P _m ×ħ	Grav Fac F	tor	Flowing Temperature Factor F _{rt}	Fa	iation ctor	Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
										2				
45.00					•	, ,	ERABILITY)					² = 0.20)7	
(P _c) ² =		<u>.</u>	(P _w)² ≃	Choose formula 1 or 2	P _d =		T	_c - 14.4) +	7	 -	(P _d)	T		
(P _c) ² - (I or (P _c) ² - (I		(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	Slop Ass	sure Curve e = "n" or igned ard Slope	l n x l	.og	Antilog	Deliv Equals	en Flow verability R x Antilog Mcfd)	
-	\neg		+	divided by: $P_c^2 - P_w$	2 by:		Stande	iid diopo	 - -					
Open Flor				Mcfd @ 14			Deliverabi				Mcfd @ 14.65 ps			
	_		-	n behalf of the aid report is true						e above repo ecember	ort and that he ha	, 2	o <u>15</u> .	
											mail	in	v	
			Witness (i	f any)	K		ICHITA				Company			
			For Comm	ission		APR 0	7 2016	_		Che	cked by			

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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 23-24 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:
APR 0 7 2016 RECEIVED 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.

W2747 Zmbelman 23-24 (1

St. Francis

St. Francis

Flow

July-15

FloBoss

DATE	Tubing PS1	Casing PSI	STATIC	MCF	SPM	CYCLE	HRS DOWN	Water BBLS	REMARKS (Maximum length 110 characters)
	P51				_	CYCLE			(Maximum length 110 characters)
7/1/2015		48			2			0	
7/2/2015		48	-		2			0	
7/3/201 <i>5</i>		48			2			0	
7/4/2015		48			2	0			
7/5/2015		48 47			2	0			
	7/6/2015				2			2	
7/7/2015		47			2	0			
7/8/2015		47			2	16			
7/9/2015		47	60		0	24			
7/10/2015		172	185		0		1	14	
7/11/2015		104	117		6			0	
7/12/2015		74	. 77	:	2.4			0	
7/13/2015		56	69		2			0	
7/14/2015	7/14/2015		61		2	0			
7/15/2015	7/15/2015		62		2	0			
7/16/2015		48	61		2	0			
7/17/2015	7/17/2015				2			0	
7/18/2015		47	60	60 2 0			0		
7/19/2015		46	59		2			0	
7/20/2015		46	59		2			0	
7/21/2015		46	59	•	2			2	
7/22/2015		51	64		2			0	
7/23/2015		46	59	1	2			0	
7/24/2015		46			2			0	
7/25/2015		46	59		2			0	
7/26/2015		46			2			0	
7/27/2015		46			2			0	
7/28/2015		45			2			0	
7/29/2015		45			2				
7/30/2015		46			2	0 0			
7/31/2015		46			2			0	

0 62.4 Total

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W2747 Zunbelman 23/24

St. Francis

St. Francis

August-15

Total

	Tubing	Casing				HRS	Water	REMARKS
DATE	PSI		TATIC MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
8/1/2015		47	60	2		(0	
8/2/2015		48	61	2			0	
8/3/2015		46	59	2		(0	
8/4/2015		46	59	2			0	
8/5/2015		46	59	2		į	0	
8/6/2015		46	59	2		(0	
8/7/2015		46	59	2		(0	
8/8/2015		47	60	2		(0	
8/9/2015		48	61	2		(0	
8/10/2015		50	63	2		!	0	
8/11/2015		51	64	2			0	
8/12/2015		51	64	2			0	
8/13/2015		51	64	2			0	
8/14/2015		51	64	2			0	
8/15/2015		52	65	2			0	
8/16/2015		53	66	2			0	
8/17/2015		53	66	2			0	
8/18/2015		52	65	2			0	
8/19/2015		52	65	2			0	
8/20/2015		52	65	2			0	
8/21/2015		52	65	2			0	
8/22/2015		52	65	2			0	
8/23/2015		52	65	2			0	
8/24/2015		51	64	2			0	
8/25/2015		55	68	2			0	
8/26/2015		55	68	2			0	
8/27/2015		55	68	2			0	
8/28/2015		55	68	2			0	
8/29/2015		55	68	2			0	
8/30/2015		55	68	2			4	
8/31/2015		55	68	2			0	

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0

W2747

Zimbelman 28-24

St. Francis

St. Francis

Flow

Total

September-15

FloBoss

DATE	Tubing	Casing	OT 4 TIO	. COE	ODL C	ava -	HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
9/1/2015			13					0	
9/2/2015		47			2			0	
9/3/2015		48			2			0	
9/4/2015		50			2				
9/5/2015		59			2				
9/6/2015		59			2			0	
9/7/2015		56			2			0	
9/8/2015		56	69)	2			0	
9/9/2015		49	62	!	2			0	
9/10/2015		49			2			0	
9/11/2015		49			2			0	
9/12/2015		49	62	!	2			0	
9/13/2015		49	62	!	2			0	
9/14/2015		49	62	<u> </u>	2			0	
9/15/2015		49	62	2	2			0	
9/16/2015		49	62	<u>!</u>	2			0	
9/17/2015		49	62	!	2				
9/18/2015		49	62	l ¢	2			0	
9/19/2015		49	62	!	2			0	
9/20/2015		49	62	}	2			0	
9/21/2015		49	62	<u> </u>	2		1	0	
9/22/2015		49	62	!	2			0	
9/23/2015		49			2			0	
9/24/2015		49	62	!	2			0	
9/25/2015		49	62		2			0	
9/26/2015		49			2			0	
9/27/2015		49	62		2			0	
9/28/2015		49	62		2			0	
9/29/2015		49			2	0			
9/30/2015		49	62		2			0	
10/1/2015			13					0	

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