KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t;		_		(See Instruc	tions on Re	everse Side	9)								
□ Ор	en Flow	BSI	-														
	liverabilt				Test Date 7/9/201			API No. 15 15-023-20591 - 0000									
Company		ources					Lease Dunn					1-13	Vell Nur	nber			
County Cheyenr	ne		ocation.		Section 13		TWP 3S		RNG (E 41W	/W)			Acres At	tributed			
Field St. Franc	cis			_	Reservoi Niobrara					thering Conn Systems In							
Completion 9/10/200					Plug Bac 1477'	k Total Dep	th		Packer :	Set at		•					
Casing Size Weight 4 1/2" 10.5#					Internal [4.052	Diameter	Set 148		Perfo	orations O'		то 1336'					
Tubing Si	Tubing Size Weight					Diameter	Set	Set at Perforat				То					
Type Con		(Describe) Intional)			Type Flui	d Productio	n			nit or Traveling ing Unit	Plunger?	Yes	/ No				
Producing	Thru (Annulus /	Tubing)			Carbon Dioxi	ide		% Nitrog	<u> </u>	Gas Gravity - G						
Annulus Vertical D				_		Bros	sure Taps					.6	Run) (Pro	ver) Size			
1336'						Flan	ige					2"					
Pressure	Buildup:	Shut in	7-9	2			(PM)	Taken7-	10		15 at 1		<u> </u>	(M)(PM)			
Well on L	ine:	Started	7-10	2	0 15 at 9	:05	(PM)	Taken <u>7-</u>	.11	20	15 at 1	9:50	@	(M)(PM)			
				<u></u>	 _	OBSERVE	D SURFAC				Duration	of Shut-i	n 24	Hours			
Static / Dynamic Property	Dynamic Size Prover Pressure		Pressure Differential in Inches H ₂ 0	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)		Duration (Hours)		Liquid Produced (Barrels)				
Shut-in		Foig	(· ···)	110103 1150			psig 88	102.4	psig_	psia		_					
Flow			•				44	58.4			24		0				
<u></u>						FLOW STE	REAM ATTI	RIBUTES		·							
Plate Coeffiecient (F _b) (F _p) Mofd		Circle one: Meter or Prover Pressure psia		Press Extension	ision Factor		Flowing Temperature Factor F _{rt}	Fa	iation etor _{pv}	Metered Flow R (Mcfd)		GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G _m			
										50							
					(OPEN FL	OW) (DELIV	ERABILIT'	Y) CALCUL	ATIONS			-	= 0.20	7			
<u>(P_c)²</u> =		: (F		:	P _d =		<u>% (</u>	(P _c - 14.4) +	14.4 =	 :		(P _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 _a ² 2. P _c ² -P _d ²	LOG of formula 1, or 2. and divide	formula 1, or 2.		Backpressure Curve Slope ≈ "n" or Assigned		LOG	Antil	log	Deliv Equals	en Flow rerability R x Antilog			
. e, (a'		divi	ided by: P _c ² -P _w		P _c ² - P _w		dard Slope	_			- <u> </u>	(1	/lcfd)			
					<u> -</u>							-					
Open Flor	w			Mcfd @ 14.	65 psia		Delivera	bility	•		Mcfd @ 1	4.65 psi	a				
The u	undersig	ned author	rity, on t	oehalf of the	Company,	states that h	ne is duly a			he above repo	rt and the	at he ha	s knowle	edge of			
the facts st	tated the	erein, and t	hat said	report is true	and correc	t. Executed	I this the $_1$	18	day of _	ecember			. 2	0 15			
		3.57	toons ##			K(cc Wi	CHIT/	M	null	M Company	Wi	tuy	//			
			tness (if ar														
		Fo	r Commiss	ion		F	APR 07	ZU10		Che	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
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: _12/18/15
KCC WICH! Fignature:

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.

W346

St. Francis

St. Francis

None

July-15 FloBoss

	Tubing	Casing						HRS	Wate	er	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	C	YCLE	DOWN	BBL	S	(Maximum length 110 characters)
7/1/2015		46	5 59)	50	4	10.5		0	17	
7/2/2015		46	5 59)	47	4	10.5		0	17	,
7/3/2015		46	5 59)	47	4	10.5		0	17	
7/4/2015		46	5 59)	52	4	10.5		0	17	
7/5/2015		46	5 59	•	52	4	10.5		0	17	
7/6/2015		45	5 58	3	52	4	10.5		2	17	ı.
7/7/2015		45	5 58	3	52	4	10.5		0	17	•
7/8/2015		45	5 58	3	48	4	10.5	İ	6	17	turn off p u
7/9/2015		88	3 10:	l	O i	4	10.5	2	4	0	1
7/10/2015		173	3 186	5	0	4	10.5	1	4	0	ı
7/11/2015		100) 11:	3	52	4	10.5		0	0	l
7/12/2015		72	2 8:	5	53	4	10.5		0	0	1
7/13/2015		54	6	7	46	4	10.5		0	0	restarted pu
7/14/2015		46	5 59	•	46	4	10.5		0	17	_
7/15/2015		47	7 60)	49	4	10.5		0	17	•
7/16/2015		46	5 59)	49	4	10.5		0	17	•
7/17/2015		46	5 59)	50	4	10.5		0	17	•
7/18/2015		4:			50	4	10.5		0	17	•
7/19/2015		4:			51	4	10.5		0	17	•
7/20/2015		44			51	4	10.5		0	17	•
7/21/2015		49	9 62	2	45	4	10.5		2	17	7
7/22/2015		43	5 5	8	49	4	10.5		0	17	,
7/23/2015		4:	5 5	3	50	4	10.5		0	17	•
7/24/2015		4.5	5 5	8	50	4	10.5		0	17	•
7/25/2015		4:	5 5	8	50	4	10.5		0	17	•
7/26/2015		4:	5 5	8	50	4	10.5		0	17	,
7/27/2015		44	4 5°	7	49	4	10.5		0	17	,
7/28/2015		4	4 5°	7	50	4	10.5		0	17	,
7/29/2015		4	4 5°	7	49	4	10.5		0	17	1
7/30/2015		4	4 5	7	45	4	10.5		0	17	•
7/31/2015		4			50	4	10.5		0	17	⁷
Total				1	437					408	1

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W346 Dunn 1-6s

St. Francis

St. Francis

None

August-15

Total

	Tubing	Casing						HRS	Wa	ıter	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	C	YCLE	DOWN	BB	LS	(Maximum length 110 characters
8/1/2015	-	4	3 5	6	50	4	10.5		0	16	·
8/2/2015		4	3 5	6	50	4	10.5		0	16	
8/3/2015		4	6 5	9	49	4	10.5		0	16	
8/4/2015		4	6 5	9	45	4	10.5		0	16	
8/5/2015		4	3 5	6	48	4	10.5		0	16	
8/6/2015		4	3 5	6	49	4	10.5		0	16	
8/7/2015		4	3 5	6	50	4	10.5		0	16	
8/8/2015			3 5		50	4	10.5		0	16	
8/9/2015			3 5		50	4	10.5		0	16	
8/10/2015			6 5		48	4	10.5		0	16	
8/11/2015			8 6		45	4	10.5		0	16	
8/12/2015		4	8 6		45	4	10.5		0	16	
8/13/2015				2	50	4	10.5		0	16	
8/14/2015		4	9 6		50	4 ·	10.5		0	16	
8/15/2015		5	0 6		50	4	10.5		0	16	
8/16/2015				4	50	4	10.5		0	16	
8/17/2015				4	50	4	10.5		0	16	
8/18/2015				3	45	4	10.5		0	16	
8/19/2015				2	48	4	10.5		0	16	
8/20/2015				2	48	4	10.5		0	16	
8/21/2015				2	50	4	10.5		0	16	
8/22/2015		4		2	50	4	10.5		0	16	
8/23/2015				2	50	4	10.5		0	16	
8/24/2015				2	50	4	10.5		0	16	
8/25/2015				5	45	4	10.5		0	16	
8/26/2015				5	45	4	10.5		0	16	
8/27/2015				5	45	4	10.5		0	16	
8/28/2015				5	45	4	10.5		0	16	
8/29/2015				5	45	4	10.5		0	16	
8/30/2015				i5	45	4	10.5		4	16	
8/31/2015				5	45	4	10.5			16	

1485

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464

W346

Dum I-(K

St. Francis

St. Francis

None

September-15

FloBoss

Total

FloBoss										
	Tubing	Casing						HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM		CYCLE	DOWN	BBLS	(Maximum length 110 characters)
9/1/2015		4	4 5'	7	45	4	10.5		0 1	6
9/2/2015		4	_	7	49	4			0 1	6
9/3/2015		4			49	4	10.5		0 1	6
9/4/2015		5.	3 60	5	50	4	10.5		0 1	5
9/5/2015		5			50	4	10.5		1 0	6
9/6/2015		5	7 70	0	50	4	10.5		1 0	6
9/7/2015		5			48	4	10.5		0 1	6
9/8/2015		5	4 6'	7	45	4	10.5		0 1	6
9/9/2015		4	7 60	0	46	4	10.5		0 i	6
9/10/2015		4			46	4			0 1	6
9/11/2015		4	7 6	0	46	4	10.5		0 1	6
9/12/2015		4	7 6	0	46	4	10.5		0 1	6
9/13/2015		4	7 60	0	46	4	10.5		0 1	5
9/14/2015		4	7 60)	46	4	10.5		0 1	5
9/15/2015		4	7 60	0	46	4	10.5		0 1	5
9/16/2015		4	7 60	0	46	4	10.5		0 1	6
9/17/2015		4	7 60	0	46	4	10.5		0 1	6
9/18/2015		4	7 60	0	46	4	10.5		0 1	6
9/19/2015		4	7 60	0	46	4	10.5		0 1	6
9/20/2015		4	7 6	0	46	4	10.5		0 1	6
9/21/2015		4	7 6	0	46	4	10.5		0 1	6
9/22/2015		4	7 6	0	46	4	10.5	i	0 1	6
9/23/2015		4	7 60	0	46	4	10.5		0 1	6
9/24/2015		4	7 60	0	46	4	10.5		0 1	6
9/25/2015		4	7 60	0	46	4	10.5		0 1	6
9/26/2015		4	7 60	0	46	4	10.5		0 1	6
9/27/2015		4	7 60	0	46	4	10.5		0 1	6
9/28/2015		4	7 6	0	46	4	10.5		0 1	6
9/29/2015		4	7 6	0	46	4	10.5		0 1	6
9/30/2015		4			46	4	10.5	;	0 1	6
10/1/2015			13			4		;	1	6

1398

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