KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	: en Flow	45	asI_		(See Instruc	tions on Re	verse Side)						
	en Flow liverabil		1		Test Date			API No. 15 15-023-20567 0000							
		· y			7/9/201	5	Lease		15-	023-20567 -	0000	W	ell Number		
Company Rosewoo		our	ces				Miller					1-13			
County Cheyenn	ie		Locatio NESW	n	Section 13		TWP 3S		RNG (E.	W)	Acres Attributed				
Field St. Franc	sis				Reservoir Niobrara					hering Conne Systems Inc					
9-10-2004					Plug Bac 1457'	k Total Dep	th		Packer \$	Set at					
Casing Size Weight 4 1/2" 10.5#					Internal D 4.052	Diameter	Set 150		Perfo 129	rations 2'		то 1330'			
Tubing Si	ze		Weight		Internal E	Diameter	Set	at	Perfo	rations	•	То			
Type Com Single (Type Flui Dry Ga	d Production	n			nit or Traveling	Plunger?	(Yes)/	No		
			ulus / Tubing)			arbon Dioxi	de		% Nitrog		(Sas Grav	ity - G _a		
Annulus												.6			
Vertical D 1330'	eptin(H)					Pres Flan	sure Taps ge				•	Meter Ru 2"	n) (Prover) Size		
Pressure	Buildup	: 5	Shut in7-9	2	0_15 at_8		- -	Taken 7-	10	20	15 at 9	:10	(AM)(PM)		
Well on Line: Started 7-10				2	0 15 at 9	:10	(PM)	AM) (PM) Taken 7-11			15 _{at} 9	:55	(AM)(PM)		
						OBSERVE	D SURFAC	E DATA			Duration o	of Shut-in	24 Hours		
Static / Orifice Meter Dynamic Size Prover Pres		Circle one: Meter Prover Pressur		Flowing Temperature t	Well Head Temperature t	mperature Wellnead P		Weilhe	Tubing ad Pressure r (P ₁) or (P _c)	Durati (Hour		Liquid Produced (Barrels)			
Shut-In			psig (Pm)	Inches H ₂ 0			psig 173	psia 187.4	psig	psia psia					
Flow						_	44	58.4			24		0		
						FLOW STR	REAM ATTE	RIBUTES							
Coefficient Meter or Exte		Press Extension ✓ P _m x h	Grav Fac:	tor	Flowing Temperature Factor F _{ff}	Fa	iation ctor : pv	Metered Flow R (Mcfd)		GOR Cubic Feet Barrel)	Flowing Fluid Gravity G _m				
					_		_			40					
					(OPEN FL	OW) (DELIV	ERABILITY) CALCUL	ATIONS			(₽ ₀)² =	= 0.207		
(P _c)² =		<i>:</i>		<u>:</u> _	P _d =		% _ (P _o - 14.4) +	14.4 =	<u>:</u>	_	(P _d) ² =	<u> </u>		
$ \begin{array}{c cccc} (P_c)^2 - (P_a)^2 & (P_c)^2 - (P_w)^2 & 1. & P_c \\ or & & & & \\ (P_c)^2 - (P_d)^2 & & & & \\ \end{array} $			hoose formula 1 or 2 1. $P_c^2 - P_s^2$ 2. $P_c^2 - P_s^2$ Wided by: $P_c^2 - P_s^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Slo As	essure Curve pe ≈ "n" - or ssigned dard Slope	n x 10G		Antilo	eg	Open Flow Deliverability Equals R x Antilog (Mcfd)			
						<u> </u>			_						
Open Flor	N			Mcfd @ 14.	65 psia		Deliveral	oility	_		Mcfd @ 14	.65 psia			
										ne above repo	rt and tha	t he has			
the facts st	tated th	erei	n, and that sai	d report is true				<u> </u>	day of 上	ecember	11		, 20 <u>15</u> .		
			Witness (if	any)	KC	C WIC	HITA		HA)	MMU For C	Company	pite	ey		
			For Commis	sion	A	PR 07	2016			Chec	ked by				
											•				

RECEIVED

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 Miller 1-13
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
taff as necessary to corroborate this claim for exemption from testing.
Date: 12/18/15
rate
Signature: Janul Morting
KCC VVICTION Production Assistant
APR 07 2016
RECEIVED
A Francisco A series

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.

W357 Miller 01-195

St. Francis

St. Francis

St. Francis

July-15

	Tubing	Casing						HRS	Wat	er	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPI	М	CYCLE	DOWN	BBI	_S	(Maximum length 110 characters)
7/1/2015		4:	5 58	3	40	6.5	16		0	23	
7/2/2015		4:	5 58	3	40	6.5	16	•	0	23	
7/3/2015		4:	5 58	;	40	6.5	16		0	23	
7/4/2015		40	5 59)	40	6.5	16		0	23	
7/5/2015		4:	5 58	}	40	6,5	16	1	0	23	
7/6/2015		4	4 57	,	40	6.5	16	İ	2	23	
7/7/2015		4	4 57	,	39	6.5	16	İ	0	23	
7/8/2015		4	4 57	7	40	6.5	16	1	6	23	turn off p u
7/9/2015		88	3 101		2	6.5	16	1	24	0	·
7/10/2015		17:	3 186	<u>,</u>	0	6.5	16	. 1	14	0	
7/11/2015		100			37	6.5			0	0	
7/12/2015		7	1 84	ļ	37	6.5	16	•	0	0	
7/13/2015		5:	3 66	,	38	6.5	16	i	0	0	restarted pu
7/14/2015		4	5 59)	38	6.5	16	i	0	23	•
7/15/2015		46	5 59)	40	6.5	16	j	0	23	
7/16/2015		4.	5 58	3	40	6.5	16)	0	23	
7/17/2015		4.	5 58	}	40	6.5	16	j	0	23	
7/18/2015		4	4 57	7	40	6.5	16	i	0	23	
7/19/2015		4	4 57	7	40	6.5	16	;	0	23	
7/20/2015		4	4 57	7	40	6.5	16	j	0	23	
7/21/2015		4	8 61	l	40	6.5	16	•	2	23	
7/22/2015		4			39	6.5	16	;	0	23	
7/23/2015		4.			39	6.5		i	0	23	
7/24/2015		4	4 57	7	40	6.5	16	i	0	23	
7/25/2015		4.			40	6,5		i	0	23	
7/26/2015		4	4 57	7	40	6.5		,	0	23	
7/27/2015		4			40	6.5			0	23	
7/28/2015		4			40	6.5			0	23	
7/29/2015		4	4 57	7	40	6.5			0	23	
7/30/2015		4			40	6.5		;	0	23	
7/31/2015		4			40	6.5	16	i	0	23	
Total				11	49					598	

KCC WICHITA APR 07 2016 RECEIVED

W357

St. Francis

St. Francis

St. Francis

August-15

	Tubing	Casing						HRS	Water		REMARKS
DATE	PSI	PSI	STATIC	MCF	SI	PM	CYCLE	DOWN	BBLS		(Maximum length 110 characters
8/1/2015			13 5		41	6.5			0	23	(, , , , , , , , , , , , , , , , , , ,
8/2/2015			43 5		41	6.5			0	23	
8/3/2015			16 5		41	6.5			0	23	
8/4/2015			16 5		41	6.5			0	23	
8/5/2015			43 5		41	6.5			0	23	
8/6/2015			13 5		41	6.5			0	23	
8/7/2015			43 5		41	6.5			0	23	
8/8/2015			43 5		41	6.5			0	23	
8/9/2015			43 5		41	6.5			0	23	
8/10/2015			46 5		41	6.5			0	23	
8/11/2015			48 6		41	6.5)	0	23	
8/12/2015			48 6	1	41	6.5	16	<u>, </u>	0	23	
8/13/2015			49 6	2	41	6.5	16	i	0	23	
8/14/2015		,	19 6	2	41	6.5	16	5	0	23	
8/15/2015		,	49 6	2	41	6.5	16	<u>,</u>	0	23	
8/16/2015			50 6		41	6.5			0	23	
8/17/2015			50 6		41	6.5			0	23	
8/18/2015			49 6		41	6.5			0	23	
8/19/2015			49 6	2	41	6.5		ń	0	23	
8/20/2015			49 6		41	6.5			0	23	
8/21/2015			49 6		41	6.5			0	23	
8/22/2015			49 6		41	6.5			0	23	
8/23/2015			49 6		41	6.5			0	23	
8/24/2015			49 6		41	6.5			0	23	
8/25/2015			52 6		41	6.5			0	23	
8/26/2015			52 6		41	6.5		;	0	23	
8/27/2015			52 6		41	6.5		5	0	23	
8/28/2015			52 6	5	41	6.5	16	5	0	23	
8/29/2015			52 6	5	41	6.5	i 16	5	0	23	
8/30/2015			52 6	5	41	6.5	i 16	5	4	23	
8/31/2015				<u>5</u>	41	6.5		<u> </u>		23	
Total				1	1271					713	

KCC WICHITA APR 07 2016 RECEIVED

W357

Miller 01-13 de 2

St. Francis

St. Francis

St. Francis

September-15

FloBoss

	Tubing	Casing						HRS	V	Vater	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM		CYCLE	DOWN	E	BLS	(Maximum length 110 characters
9/1/2015		44	5	7	38	6.5	16		0	23	
9/2/2015		44	5	7	41	6.5	16		0	23	
9/3/2015		47	' 60)	41	6.5	16		0	23	
9/4/2015		56	69)	41	6.5	16		0	23	
9/5/2015		56	69)	41	6.5	16		0	23	
9/6/2015		54	67	7	41	6.5	16		0	23	
9/7/2015		54	67	7	41	6.5	16		0	23	
9/8/2015		54	67	7	41	6.5	16		0	23	
9/9/2015		46	59)	39	6.5	16		0	23	
9/10/2015		46	5 59)	39	6.5	16		0	23	
9/11/2015		46	59)	39	6.5	16		0	23	
9/12/2015		46	59)	39	6.5	16		0	23	
9/13/2015		46	59)	39	6.5	16		0	23	
9/14/2015		46	59)	39	6.5	16		0	23	
9/15/2015		46	59)	39	6.5	16		0	23	
9/16/2015		46	59)	39	6.5	16		0	23	
9/17/2015		46	59)	39	6.5	16		0	23	
9/18/2015		46	59)	39	6.5	16		0	23	
9/19/2015		46	59)	39	6.5	16		0	23	
9/20/2015		46	59)	39	6.5	16		0	23	
9/21/2015		46	59)	39	6.5	16		0	23	
9/22/2015		46	59)	39	6.5	16		0	23	
9/23/2015		46	59)	39	6.5	16		0	23	
9/24/2015		46	59)	39	6.5	16		0	23	
9/25/2015		46	59)	39	6.5	16		0	23	
9/26/2015		46	59)	39	6.5	16		0	23	
9/27/2015		46	59)	39	6.5	16		0	23	
9/28/2015		46	59)	39	6.5	16		0	23	
9/29/2015		46	59)	39	6.5	16		0	23	
9/30/2015		46	59)	39	6.5	16		0	23	
10/1/2015			13								

Total 1183 690

KCC WICHITA APR 0.7 2016 RECEIVED