KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type les		NSI		(See msnuc	aons on ne	IVEISE SILE	")				
	en Flow eliverabilty		,	Test Date 6/21/20					No. 15 20659-00 0	00		•
Company		ources, Inc.		-		Lease Miller				24-1	Well N	umber
County Cheyens	ne	Loca SESW		Section 13		TWP 3S	,			Acres Attributed 80		
Field Cherry C	Creek			Reservoi Niobrara		r			ering Conn Systems In			
Completion 3/11/200				Plug Bac 1347'	k Total Dep	th		Packer Se	et at			
Casing S 4 1/2"	Size	Weig 10.5		Internal I 4.052	Diameter	Set 135		Perfora		To 1270	то 1270'	
Tubing Si	lize	Weig	ht	Internal Diameter Set						То		
Type Con		Describe)		Type Flui Dry Ga	d Productio	n		Pump Uni Pumpir	t or Traveling	Plunger? Ye	s)/ No	
	g Thru (A	nnulus / Tubir	ng)	<u>-</u>	Carbon Dioxi	ide		% Nitroge		Gas (Gravity -	G _g
Vertical D					Pres Flan	sure Taps ge			_		r Run) (f	Prover) Size
Pressure	Buildup:	Shut in 6-2	20 2	0_13 at_8		(AM)(PM)	Taken 6-	21	20	13 _{at} 8:50		(AM)(PM)
Well on L	ine:	Started 6-2	21 20	20 13 at 8:50 (AM)(PM) Taken 6-2					22 20 13 at 9:35 (MM)(PM)			
					OBSERVE	D SURFAC	E DATA			Duration of Shu	_{ut-in} _24	. Hours
Static / Dynamic Property	Dynamic Size Property (inches) Meter Differential		Differential in	Flowing Temperature t	Well Head Temperature t	Wellhead	Pressure Pt) or (Pc) psia	Wellhea (P _w) or (Tubing Wellhead Pressure (P _w) or (P _t) or (P _e) psig psia		Liqu	id Produced (Barrels)
Shut-In						178	192.4	psig	psia			
Flow			,			54	68.4			24		
	,		T	1	FLOW STR	REAM ATTR	IBUTES					1
Plate Coefficcient (F _b) (F _p) Mofd		Circle one: Meter or Prover Pressure psia	Press Extension P _m xh	Grav Fact F _ç	tor	Flowing Femperature Factor F _{ft}	Fa	ation ctor	Metered Flov R (Mcfd)	v GOI (Cubic I Barre	Feet/	Flowing Fluid Gravity G _m
						•			17			
(P _c) ² =	:	(P _w) ² =	=:	(OPEN FLO	OW) (DELIV) CALCUL P _c - 14.4) +		:		$a_{a}^{2} = 0.5$ $a_{d}^{2} = 0.5$	207
(P _c) ² - (F		(P _o) ² - (P _w) ²	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Slo As	ssure Curve pe ≈ "n" - or signed ard Slope	n x LC	og [Antilog	De	pen Flow liverability s R x Antilog (Mcfd)
Open Flow	w		Mcfd @ 14.6	35 psia		Deliverab	ility			Mcfd @ 14.65 p	sia	
The u	undersigne	ed authority, c	on behalf of the	ang Aores	RECEIVED PORAFION	this the 2°COMMISSION	uthorized to		above repovember	rt and that he i	nas knov	viedge of 20 13 .
		Witness	(if any)		C 2-6 -2			CU	WUL_For C	Sompany CUL	ent	J
		For Comr	mission	-ONSE	RVATION DIV MICHITA, KS	/ISION -			Chec	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 Miller 24-13
gas well on the grounds that said well:
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: 11/21/13
RECEIVED KANSAS CORPORATION COMMISSION Signature: January Mortung
DEC 2 6 2013 Title: Production Assistant
CONSERVATION DIVISION WICHITA, KS

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.

W370 Miller 24-13 St. Francis St. Francis None June-13

Julic-15								
FloBoss								
	Casing				<u></u>	HRS	Water	REMARKS
DATE	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
6/1/2013	43	56	16	6.5	13.5		19)
6/2/2013	48	61	15	6.5	13.5		20)
6/3/2013	46	59	16	6.5	13.5		21	
6/4/2013	44	57	16	6.5	13.5		19)
6/5/2013	50	63	16	6.5	13.5		18	3
6/6/2013	56	69	16	6.5	13.5		18	3 5.25 min bt
6/7/2013	53	66	16	6.5	13.5		19)
6/8/2013	49	62	16	6.5	13.5		20)
6/9/2013	52	65	16	6.5	13.5		17	1
6/10/2013	84	97	16	6.5	13.5	2	19)
6/11/2013	73	86	16	6.5	7	1	9	pu off hfp
6/12/2013	71	84	16	6.5	0		0)
6/13/2013	53	66	16	6.5	7		9	restart pu
6/14/2013	53	66	15	6.5	13.5		19)
6/15/2013	58	71	15	6.5	13.5		18	}
6/16/2013	59	72	15	6.5	13.5		17	,
6/17/2013	54	67	15	6.5	7		9	pu off
6/18/2013	48	61	15	6.5	0		0)
6/19/2013	45	58	15	6.5	0		0	
6/20/2013	52	65	15	6.5	7		9	si for state test - cp 52
6/21/2013	60	73	0	6.5	7	24	9	reopened - cp 178 restart pu
6/22/2013	77	90	24	6.5	13.5			5.25 min bt greased
6/23/2013	78	91	20	6.5	7		9	pu off hfp
6/24/2013	75	88	19	6.5	0		0	
6/25/2013	79	92	19	6.5	0		0	1
6/26/2013	77	90	18	6.5	0		0	1
6/27/2013	65	78	18	6.5	13.5		10	restart pu
6/28/2013	49	62	18	6.5	13.5		15	
6/29/2013	49	62	18	6.5	13.5		18	
6/30/2013	48	61	18	6.5	13.5		17	
7/1/2013	_							

Total 484 376

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CGNSERVATION DIVISION WICHITA, KS

W370 Miller 24-13 St. Francis St. Francis None July-13 FloBoss

Total

FloBoss								<u> </u>
	Casing					HRS	Water	REMARKS
DATE	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
7/1/2013	51	64	18	6.5	13.5		18	
7/2/2013	53	66	17	6.5	13.5		17	
7/3/2013	52	65	17	6.5	13.5		19	5 min bt
7/4/2013	54	67	17	6.5	13.5		16	
7/5/2013	54	67	17	6.5	13.5		18	
7/6/2013	54	67	17	6.5	13.5		19	
7/7/2013	66	79	17	6.5	13.5		16	
7/8/2013	64	77	17	6.5	13.5		15	
7/9/2013	61	74	17	6.5	13.5		14	
7/10/2013	59	72	17				20	
7/11/2013	62	75	17				18	
7/12/2013	69		16					shut pu off hfp and treated well
7/13/2013	71	84	14			2.5		
7/14/2013	75	88	15		0		0	
7/15/2013	54	67	15	6.5	6		9	restart pu
7/16/2013	51	64	15	6.5	13.5		18	
7/17/2013	47	60	15	6.5	13.5		18	
7/18/2013	78	91	15	6.5	6		9	pu off hfp
7/19/2013	70	83	15	6.5	0		0	
7/20/2013	71	84	15	6.5	0		0	
7/21/2013	73	86	15	6.5	0		0	
7/22/2013	68	81	15	6.5			0	
7/23/2013	65	78	15	6.5				restart pu
7/24/2013	73	86	15	6.5				5.5 min bt
7/25/2013	75	88	15	6.5			9	pu off hfp
7/26/2013	63	76	15	6.5				restart pu
7/27/2013	51	64	15	6.5			18	
7/28/2013	53	66	15	6.5			19	
7/29/2013	51	64	15	6.5			18	
7/30/2013	94	107	15	6.5		3.5	9	pu off hfp
7/31/2013	117	130	11	6.5	0	5.5	0	

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CONSERVATION DIVISION WICHITA KS

W370 Miller 24-13 St. Francis St. Francis None August-13

Total

FloBoss			_					
	Casing				I	IRS	Water	REMARKS
DATE	PSI	STATIC M	1CF	SPM	CYCLEI	OOWN	BBLS	(Maximum length 110 characters)
8/1/2013	74	87	14	6.5				
8/2/2013	74	87	14	6.5				
8/3/2013	70	83	15	6.5				
8/4/2013	71	84	15	6.5				
8/5/2013	61	74	15	6.5				
8/6/2013	52	65	15	6.5	7		9	restart pu
8/7/2013	46	59	15	6.5	13.5		18	
8/8/2013	50	63	15	6.5	13.5		19	
8/9/2013	53	66	15	6.5	13.5		19	
8/10/2013	51	74	15	6.5	13.5		20	
8/11/2013	48	61	15	6.5	13.5		19	
8/12/2013	48	61	15	6.5	13.5		19	
8/13/2013	48	61	15	6.5	13.5		20	
8/14/2013	49	62	15	6.5	13.5		17	
8/15/2013	49	62	15	6.5	13.5	0.5	19	5 min bt greased
8/16/2013	60	73	15	6.5	13.5		17	
8/17/2013	61	74	15	6.5	13.5		18	
8/18/2013	61	74	15	6.5	13.5		16	
8/19/2013	63	76	15	6.5	7	1.5	9	
8/20/2013	87	100	15	6.5	0	1	0	
8/21/2013	83	96	15	6.5	0		0	
8/22/2013	86	99	15	6.5	0	5	0	
8/23/2013	68	81	15	6.5	0		0	
8/24/2013	80	93	15	6.5	0	1	0	
8/25/2013	85	98	15	6.5	0	1	0	
8/26/2013	51	64	15	6.5	7		9	started pumping unit
8/27/2013	48	61	15	6.5	13.5		19	- -
8/28/2013	46	59	15	6.5	13.5		18	
8/29/2013	87	100	15	6.5	7		8	pu off hfp
8/30/2013	83	96	15	6.5	0		0	-
8/31/2013	84	97	15	6.5	0		0	

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