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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test		_	100			(See Instru	ctions on Re	everse Sid	e)					
Op	en Flo	w]	AOT			Test Date	a:			AP	l No. 15				
Deliverability						5/8/2013					0				
Company Rosewoo		sou	rces, Inc.					Lease R. Wal	ter			_	21-21	Well Nu	mber
•				Section 21				RNG (E/W) 41W				Acres A	Attributed		
Field F						Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.					
Completic 10/22/20		e				Plug Bac 1518'	Plug Back Total Depth 1518'				Set at				
Casing Si 2 7/8"	ize		Weig 6.5#	ht		Internal I 2.441	Internal Diameter Set at 2.441 1518'			Perforations 1371'			To 1403'		
Tubing Si	ize		Weig	ht		Internal I	Internal Diameter Set at			Perforations			То	То	
Type Con Single (Type Flui	d Producti	on		Pump U	nit or Traveling	Plunge	er? Yes	√N₀)	
	Thru		nulus / Tubir	ıg)		% C	arbon Dio	xide		% Nitrog	% Nitrogen			Gas Gravity - G _g	
Vertical D		1)					Pressure Taps							Run) (P	rover) Size
Pressure	Buildu	p:	Shut in 5-7	7	2	13 at 1	Flange 13 at 10:35 (PM) Taken 5-				-8				
Well on L	ine:	;	Started 5-8	3	2	0 <u>13</u> at 1	13 at 10:50 (AM)(PM) Taken 5						11:35	(AM)(PM)
							OBSERV	ED SURFAC	E DATA			Duratio	on of Shut	in 24	Hours
Static / Dynamic Property	ynamic Size		Circle one: Meter Prover Press psig (Pm)	- 1	Pressure Differential in Inches H ₂ 0	ential Flowing Well Temperature Temperature		t (P_w) or (P_t) or (P_c)		(P _w) or (P _t) or (P _c)		l	Duration Liquid Produc (Hours) (Barrels)		
Shut-In			poig (i iii)		mones Ti ₂ 0			147	161.4	psig	psia				
Flow								81	95.4			24		0	
							FLOW ST	REAM ATT	RIBUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			E. Manaian		rity tor	Flowing Temperature Factor F _{ft}	Fa	viation Metered Flow actor R F _{pv} (Mcfd)		W	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
								17		17					
n \2			-(D.)2			-		VERABILITY	-					² = 0.2	07
P _c) ² =	7	<u>- ·</u>	(P _w) ² :		ose formula 1 or 2	P _d =			P _c - 14.4) +		 :_		(P _d)		
$(P_c)^2 - (P_a)^2$ $(P_o)^2 - (P_w)^2$ 1. $P_c^2 - P_a^2$ LOG of formula				Backpressure Curve Slope = "n" n x			LOG	۸.	ntilog		en Flow iverability				
or (P _c) ² - (P _d) ²			2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$		1. or 2. and divide by:	1. or 2. and divide p 2 _ p 2		Assigned Standard Slope						R x Antilog (Mcfd)	
								_							
Open Flov	 N				Mcfd @ 14.	65 psia		Deliveral	bility		<u>. </u>	Mcfd @	14.65 ps	ia	
The u	ındersi	gned	authority, o	n b	ehalf of the	Company, s	tates that	he is duly a			he above repo	ort and t	hat he ha	as know	ledge of
ne facts st	ated th	nerei	n, and that s	aid	report is true	and correc	t. Execute	d this the _2	<u>.1 </u>	day of	lovember .		0 4	,;	₂₀ <u>13</u> .
			Witness	if an				-		Da	roul	N	aut	Kébo	WICH
			Witness	ıı anş	"					r	- For	company	•		
			For Com	nissic	ın					-	Che	cked by		DEC	2 6 201

I declare under penalty of perjury under the laws of the state of Kansas that I am exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resour	
and that the foregoing pressure information and statements contained on this application correct to the best of my knowledge and belief based upon available production summated of equipment installation and/or upon type of completion or upon use being made of the I hereby request a one-year exemption from open flow testing for the R. Walter 21 gas well on the grounds that said well:	aries and lease records gas well herein named.
(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 undergoir is on vacuum at the present time; KCC approval Docket No	ng ER
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 staff as necessary to corroborate this claim for exemption from testing.	s deemed by Commission
Date: 11/21/13	
Signature:	Martiny

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.

MCC WICHITA

DEC 2 6 2013

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R Walter 21-21

St. Francis

St. Francis

None

May-13

	Casing			ŀ	IRS	REMARKS
DATE	PSI	STATIC	MCF	I	OWN	(Maximum length 110 characters)
5/1/2013	77			16		
5/2/2013	87	100		15		
5/3/2013	84	97		17		
5/4/2013	79	92		17		
5/5/2013	80	93		17		
5/6/2013	73			16		
5/7/2013	73	86		16		si for state test - cp 73
5/8/2013	46	59		0	24	reopened - cp 147
5/9/2013	106	119		21		
5/10/2013	83			19		
5/11/2013	83			19		
5/12/2013	81			16		
5/13/2013	78			15		
5/14/2013	80	93		17		
5/15/2013	120	133		13	2.5	
5/16/2013	91	104		17		
5/17/2013	46	59		13		
5/18/2013	78	91		17		
5/19/2013	79	92		17	•	
5/20/2013	102	115		17		
5/21/2013	97	110		17		
5/22/2013	81	94		17		
5/23/2013	76	89		16	14	
5/24/2013	154	167		8	10	
5/25/2013	146	159		15	4	
5/26/2013	119	132		21		
5/27/2013	105	118		19		
5/28/2013	101	114		17		
5/29/2013	94	107		17		
5/30/2013	81	94		17		
5/31/2013	82	95		17		

Total 496

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R Walter 21-21

St. Francis

St. Francis

None

June-13

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
6/1/2013	73	86	1'	7	
6/2/2013	81	94	14	4	
6/3/2013	81	94	10	5	
6/4/2013	71	84	10	5 .	
6/5/2013	76	89	10	5	
6/6/2013	80	93	10	5	calibrate meter
6/7/2013	79	92	10	5	
6/8/2013	77	90	10	5	
6/9/2013	77	90	10	5	
6/10/2013	73	86	10		2
6/11/2013	87	100	10	5	1
6/12/2013	93	106	1:	5	
6/13/2013	86	99	10	5	·
6/14/2013	78	91	10	5	
6/15/2013	76	89	10	5	
6/16/2013	79	92	10	5	
6/17/2013	74	87	10	5	
6/18/2013	71	84	16	5	
6/19/2013	70	83	16	5	
6/20/2013	70	83	1:	5	
6/21/2013	81	94	10	5	
6/22/2013	81	94	16	5	
6/23/2013	88	101	16	5	
6/24/2013	89	102	13	3	
6/25/2013	95		13		
6/26/2013	93		13	3	
6/27/2013	85		13		
6/28/2013	74		14		Reset meter, batteries not holding up, need to re
6/29/2013	74		14		
6/30/2013	76	89	14	1	
7/1/2013					

Total 459

W364

R Walter 21-21

St. Francis

St. Francis

None

July-13

	Casing		HRS	REMARKS
DATE	PSI	STATIC MCF	DOWN	(Maximum length 110 characters)
7/1/2013	74	87	16	
7/2/2013	76	89	14	
7/3/2013	75	88	16	
7/4/2013	76	89	16	
7/5/2013	76	89	16	
7/6/2013	71	84	16	
7/7/2013	86	99	16	
7/8/2013	82	95	16	
7/9/2013	78	91	15	
7/10/2013	76	89	15	
7/11/2013 -	82	95	15	
7/12/2013	84	97	15 2.5	;
7/13/2013	90	103	15	
7/14/2013	90	103	15	
7/15/2013	63	96	7	
7/16/2013	75	88	15	
7/17/2013	71	84	15	
7/18/2013	65	78	15	
7/19/2013	92	105	15	
7/20/2013	92	105	15	
7/21/2013	92	105	15	
7/22/2013	85	98	14	
7/23/2013	82	95	15	
7/24/2013	84	97	15	
7/25/2013	92	105	15	
7/26/2013	82	95	16	
7/27/2013	75	88	16	
7/28/2013	75	88	16	
7/29/2013	69	82	16	
7/30/2013	79	92	16 3.5	
7/31/2013	119	_132	13 5.5	<u> </u>

Total 465