Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	:	K	725			(See Instru	uctions on R	leverse Side)					
(ISI			Test Date):			AP	No. 15				
De	liverabil	lty				8/17/20					3-21262-00 0	10			
Company Rosewoo		sour	ces, Inc.					Lease Zweyg	jardt			31-24	Well N	umber	
County Location Cheyenne NWNE				Section 24		TWP 3S			/W)	Acre 80		Attributed			
Field Cherry Creek					Reservoir Niobrara			Gas Gathering Cont Branch Systems Ir			nection nc.		RECEI	VED	
Completion 10/12/20)				Plug Bac 1416'	k Total De	epth	h Packer Set at		Set at	JAL		JAN 0.3	2013
Casing Size Weight 4 1/2" 10.5#				Internal D	Diameter		Set at 1456'		rations 2'	To 1222'	K	CC WIC	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
Tubing Size Weight NONE				Internal E	Diameter		Set at		rations	То			// II I /\		
Type Con Single (•		•			Type Flui Dry Ga	d Product	ion	on Pump Unit or Traveling Plunger? Yes No flowing						
			nulus / Tubi	ing)		· · · · · · · · · · · · · · · · · · ·	arbon Dic	oxide		% Nitrog	Gas Gr	Gas Gravity - G			
Annulus	3								.6						
Vertical D 1470'	epth(H))					Pressure Taps Flange						(Meter Run) (Prover) Size		
Pressure	Buildup): S	Shut in 8-	16	2	0 12 at 5	12 at 5:45 (AM) (PM) Taken 8-17					12 at 6:00		(AM((PM))	
Well on L					0 12 at 6	:00	_ (AM) (PM	M) Taken 8-18 20 1:			12 at 6:25		(AM)(PM)		
			in .				OBSER\	VED SURFA	CE DATA			Duration of Shut-	in _24	Hours	
Static /	Static / Orifice		Pressure Differential	Differential Flowing Well Hea		O Mollhon	asing d Pressure	1	Tubing ead Pressure	Duration	Liqu	Liquid Produced			
				in Inches H ₂ 0	in ,		$(P_w) \text{ or } (P_t) \text{ or } (P_c)$ $psig \qquad psia$		(P _w) o	r (P _t) or (P _c)	(Hours)		(Barrels)		
Shut-In								217	231.4	psig	psia		†		
Flow								73	87.4			24			
<u></u>							FLOW S	TREAM ATT	RIBUTES		 			,	
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one; Meter or Prover Pressure psia			Press Extension ✓ P _m xh	Extension Factor		Flowing Temperature Factor F ₁₁	Fa	Deviation Metered F Factor R F F P M M M M M M M M M M M M M M M M M		w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
											18				
(P _c) ² =		:	(P)²	=	:	(OPEN FLO	OW) (DEL	IVERABILIT	Y) CALCUL (P _c - 14.4) +		:	(P _a) (P _d)	² = 0.2 ² =	207	
(P _c) ² - (F	P _a) ²	(P	c)²- (P _w)²	Cho	ose formula 1 or 2:			Backpi	ressure Curve	·· ······	100	. 0	0	pen Flow liverability	
or (P _c) ² - (F	2,)2			!	2. P _c ²-P _d ² led by: P _c ²-P _w ²	1. or 2. and divide	P _c ² -P _w ²	A	or Assigned Indard Slope	- "^		Antilog	Equal	s R x Antilog (Mcfd)	
Open Flov				<u> </u>	Mcfd @ 14.	65 psia		Delivera	ability			Mcfd @ 14.65 psi	<u> </u> а		
The u	ındersig	gned	authority,	on b			tates that		· ••• · · · · · · · · · · · · · · · · ·	o make th	* 4	ort and that he ha		vledge of	
					report is true						ecember			20 12	
								,		De	null	CRICHE	20		
			Witness	(if an	y)			•	/		For	Company			
			For Con	nmissi	on					·	Che	cked by			

KCC WICHITA
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 Zweygardt 31-24
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: _12/19/12
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.

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JAN 03 2013

KCC WICHITA

W2743 Zweygardt 31-24

St. Francis

St. Francis Flow

August-12

FloBoss								
		Casing				HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE DOWN	BBLS	(Maximum length 110 characters)
8/1/2012		71	84					
8/2/2012		64	77	19				
8/3/2012		65	78	20				
8/4/2012		62	75					
8/5/2012		71	84					
8/6/2012		66	79	19				
8/7/2012		70	83	19				
8/8/2012		67	80	19				
8/9/2012		63	76	19				
8/10/2012		80						
8/11/2012		68				1.5		
8/12/2012		65						
8/13/2012		64						
8/14/2012		66						
8/15/2012		73	86	18				
8/16/2012		64						si for state test cp-69
8/17/2012		217	65			24		reopened cp-217
8/18/2012		73						
8/19/2012		69						
8/20/2012		62						
8/21/2012		66						
8/22/2012		64						
8/23/2012		68						
8/24/2012		69	82					
8/25/2012		69						
8/26/2012		66						
8/27/2012		65						
8/28/2012		66						
8/29/2012		67	80					
8/30/2012		65	78					
8/31/2012		65	78	18				

W2743

Zweygardt 31-24

St. Francis

St. Francis

Flow

September-12

RECEIVED JAN 03 2013 KCC WICHITA

FloBoss					DDI (1 DVC
	Casing			IRS	REMARKS
DATE	PSI	STATIC MCF		OWN	(Maximum length 110 characters)
9/1/2012	66		18		
9/2/2012	68		18		
9/3/2012	63		18		
9/4/2012	63		18	1	
9/5/2012	80		18		
9/6/2012	80		18		
9/7/2012	150		6	19	
9/8/2012	170		0	24	
9/9/2012	178		0	24	
9/10/2012	182		0	24	
9/11/2012	183		0	24	
9/12/2012	184		0	24	
9/13/2012	135		21	10	
9/14/2012	113	126	40		
9/15/2012	102	115	27		
9/16/2012	96	109	24		
9/17/2012	85	98	22		
9/18/2012	69	82	22		
9/19/2012	83	96	20		
9/20/2012	60	73	20		
9/21/2012	60	73	20		
9/22/2012	62	75	19		
9/23/2012	60	73	19		
9/24/2012	64	77	19		
9/25/2012	65	78	19		
9/26/2012	66	79	19		
9/27/2012	73	86	19		
9/28/2012	67	80	18		
9/29/2012	67	80	18		
9/30/2012	66	79	18		
10/1/2012					

Total 498 W2743

Zweygardt 31-24

St. Francis

St. Francis

Flow

October-12

FloBoss

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JAN © 3 2013

KCC WIGHITA

DATE PSI 10/1/2012 65 10/2/2012 66 10/3/2012 66		HRS CF DOWN 18	REMARKS (Maximum length 110 characters)
10/1/2012 65 10/2/2012 66	78		(Maximum length 110 characters)
10/2/2012 66		18	
		10	
10/3/2012 66	79	18	
10/3/2012	79	18	
10/4/2012 63	76	18	
10/5/2012 64	. 77	18	
10/6/2012 63	76	18	
10/7/2012 64	. 77	17	
10/8/2012 63	76	18	
10/9/2012 65	78	18	
10/10/2012 65	78	18	
10/11/2012 66	79	18	
10/12/2012 64	. 77	18	
10/13/2012 66	79	18	
10/14/2012 67	80	17	•
10/15/2012 66	79	17	
10/16/2012 85	98	17 1	
10/17/2012 66	79	17	
10/18/2012 63	76	17	
10/19/2012 64	. 77	17	
10/20/2012 66	79	17	
10/21/2012 63	76	17	
10/22/2012 64	. 77	17	
10/23/2012 65	78	17	
10/24/2012 64	. 77	17	
10/25/2012 59	72	17	
10/26/2012 62	75	17	
10/27/2012 62		17	
10/28/2012 61		17	
10/29/2012 86	99	17 2	
10/30/2012 76		17	
10/31/201259	72	17	