## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:		ASI			(-	See Instru	ctions on Re	everse Side	9)					
Open Flow Deliverabilty		Pace				Test Date: API No. 15								
					7/31/201	13			181	I-20452-01 <b>0</b>	<u> </u>			
Company Rosewoo		urces, Inc.					Lease Yarger					21-11	Well Nui - 	mber 
County Location Sherman NENW			Section 11					W)		Acres Attributed 80				
Field F				Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.						
Completic 11/06/20					Plug Back	Plug Back Total Depth				Packer Set at				
Casing Si 4 1/2"	Casing Size Weight I				Internal Diameter Set at 4.000 3029'				rations 5' & 1215'	то 2940' & 1230'				
Tubing Siz	ze	Weig			Internal D	Internal Diameter Set at				orations	То			
Type Com Single (					Type Fluid	d Productions	on	_	Pump U	nit or Traveling	Plunger	? Yes	No	
	Thru (A	nnulus / Tubi	ng)			% Carbon Dioxide				gen	Gas Gravity - G <sub>g</sub>			
Vertical D			_				ssure Taps	<u> </u>	-				Run) (Pr	over) Size
3084' Pressure	Buildup	Shut in _7-	30		0 13 at 12	Fla: 2:05	nge _ (AM)((PM)	Taken 7	-31	20	13 <sub>at</sub>			AM) (PM))
Well on Li	•	Started 7-					_ (AM)(PM)			20			•	AM) (PM)
						OBSERV	ED SURFAC	E DATA			 Duration	of Shut-	in 24	Hours
Static / Dynamic Property	Orifice Size (inches)	Circle one:  Meter  Prover Pressure  psig (Pm)		Pressure Differential in Inches H <sub>2</sub> 0 Flowing Temperature t		Temperature t (P <sub>w</sub> ) or (I		sing I Pressure P <sub>1</sub> ) or (P <sub>0</sub> )	Pressure Wellhead			uration Liquid Produc lours) (Barrels)		
Shut-In		paig (i iii	,	THORIES TI <sub>2</sub> O			psig 9	23.4	psig	psia			-	
Flow							6	20.4			24		0	
						FLOW ST	REAM ATTE	RIBUTES		,	- 1			
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension	Gravity Factor F <sub>g</sub>		Flowing Temperature Factor F <sub>f1</sub>	F	viation actor F <sub>pv</sub>	Metered Flow R (Mcfd)	w GOR (Cubic Fed Barrel)			Flowing Fluid Gravity G <sub>m</sub>
		·								15	_			
			_,				VERABILITY						<sup>2</sup> = 0.2	07
(P <sub>c</sub> ) <sup>2</sup> =	:	(P <sub>w</sub> )²		<del></del> :	P <sub>d</sub> =		_%(	P <sub>c</sub> - 14.4) -	+ <u>14.4 = _</u>	:		(P <sub>d</sub> )	² =	==
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> 1. P <sub>c</sub> <sup>2</sup> -		ose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$	LOG of formula 1. or 2. and divide   p 2. p 2		Sic As	Backpressure Curve Slope = "n" or Assigned		n x LOG		tilog	Deli Equals	en Flow verability R x Antilog Mcfd)
	-		divid	ded by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub>	by:		Stand	dard Slope	-					
			_											
Open Flov	N			Mcfd @ 14.	65 psia		Delivera	bility			Mcfd @	14.65 ps	ia	
	_	-								he above repo	rt and th	nat he ha		
he facts st	tated the	rein, and that	said	report is true	e and correc	t. Execute	ed this the 2	26	day of _	lovember //		01 -		<u>20</u> <u>13</u> .
_		Witness	(if an					_	Dei	naul For G	Company	VLI	tti	wy
											nton of Eco	K	CC '	WICHI
		For Con	nmissio	on						Che	cked by	• •	~ ~	<del></del>

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	lare under penalty of perjury under the laws of the state of Kansas that I am authorized to request tatus under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
and that correct to	the foregoing pressure information and statements contained on this application form are true and the best of my knowledge and belief based upon available production summaries and lease records nent installation and/or upon type of completion or upon use being made of the gas well herein named. Beby request a one-year exemption from open flow testing for the Yarger 21-11H
gas well o	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  her agree to supply to the best of my ability any and all supporting documents deemed by Commission eccessary to corroborate this claim for exemption from testing.
Date: 11,	/26/13
	Signature: <u>Janual Mattury</u> Title: <u>Production Assistant</u>

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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W2290 Yarger 21-11H North Goodland Goodland None July-13

-	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
7/1/2013	6	19	1	15	0	
7/2/2013	6	19	1	15	0	cal
7/3/2013	6	19	1	15	0	
7/4/2013	6	19	1	15	0	
7/5/2013	6	19	1	15	0	
7/6/2013	6	19	1	15	0	
7/7/2013	6	19	1	14	0	
7/8/2013	6	19	1	14	0	
7/9/2013	6	19	1	14	0	
7/10/2013	6	19	1	14	0	
7/11/2013	6	19	1	14	0	
7/12/2013	6	19	1	14	0	
7/13/2013	6	19	1	14	0	
7/14/2013	6	19	1	14	0	
7/15/2013	6	19	1	14	0	
7/16/2013	6	19	1	14	6.5	
7/17/2013	6	19	1	12	0	
7/18/2013	6	19	1	14	0	
7/19/2013	6	19	1	14	0	
7/20/2013	6	19	1	14	0	
7/21/2013	6	19	1	14	0	
7/22/2013	6	19	1	14	0	
7/23/2013	6	19	1	13	0	
7/24/2013	6	19	1	13	0	
7/25/2013	6	19	1	13	0	
7/26/2013	6	19	1	13	0	
7/27/2013	6	19	1	13	0	
7/28/2013	6	19	1	13	0	
7/29/2013	6	19	1	15	0	
7/30/2013	6	19	1	15	0	shut in
7/31/2013	9	22		0	24	opened up

Total 420

W2290 Yarger 21-11H North Goodland Goodland None August-13

j,

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
8/1/2013		6	19	15	0	
8/2/2013	;	6	19	15	0	
8/3/2013	1	6	19	15	0	
8/4/2013	•	6	19	15	0	
8/5/2013	•	6	19	15	0	
8/6/2013		6	19	15	0	,
8/7/2013	<b>;</b>	6	19	15	0	
8/8/2013	•	6	19	15	0	
8/9/2013	<b>;</b>	6	19	15	0	
8/10/2013	3	6	19	15	0	
8/11/2013	3	6	19	15	0	
8/12/2013	3	6	19	15	0	
8/13/2013	3	6	19	15	0	
8/14/2013	3	6	19	15	0	•
8/15/2013	3	7	20	14	0	showed .451, rplcd bats
8/16/2013	3	6	19	14	0	
8/17/2013	3	6	19	14	2	
8/18/2013	3	6	19	14	0	
8/19/2013	3	6	19	10	0	
8/20/2013	3	6	19	11	0	
8/21/2013	3	6	19	13	1	
8/22/2013	3	6	19	13	0	
8/23/2013	3	6	19	11	2	
8/24/2013	3	6	19	13	0	
8/25/2013	3	6	19	14	0	
8/26/2013			19	14	0	
8/27/2013			19	14	0	
8/28/2013		6	19	15	0	
8/29/2013	3	6	19	13	0	
8/30/2013		6	19	13	0	
8/31/2013	3	6	19	11	0	

Total 431