

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

Open Flow **AST**
 Deliverability

Test Date:
9/30/2011

API No. 15
023-20793-01 -00

Company Rosewood Resources, Inc.		Lease Zweygardt		Well Number 34-19H	
County Cheyenne	Location SWSE	Section 19	TWP 3S	RNG (E/W) 40W	Acres Attributed 80
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 7/30/2007		Plug Back Total Depth 4241'		Packer Set at	
Casing Size 7"	Weight 23#	Internal Diameter 6.366	Set at 1622'	Perforations 1622' MD	To 424' MD Open Hole
Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations Open Hole	To
Type Completion (Describe) Single (Horizontal)		Type Fluid Production Dry Gas		Pump Unit or Traveling Plunger? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 1338'		Pressure Taps Flange		Gas Gravity - G _g .6 (Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut In 9-29 20 11 at 9:50 (AM) (PM)		Taken 9-30 20 11 at 10:05 (AM) (PM)			
Well on Line: Started 9-30 20 11 at 10:05 (AM) (PM)		Taken 10-1 20 11 at 10:50 (AM) (PM)			

OBSERVED SURFACE 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 ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						124	138.4				
Flow						67	81.4			24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _o) (F _p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F _g	Flowing Temperature Factor F _t	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						65		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = _____ : (P_w)² = _____ : P_d = _____ % (P_c - 14.4) + 14.4 = _____ : (P_w)² = 0.207
(P_d)² = _____


(P _c) ² - (P _w) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _w ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²	LOG of formula 1, or 2, and divide by: $\frac{P_c^2 - P_w^2}{P_c^2 - P_w^2}$	Backpressure Curve Slope = "n" Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)

Open Flow Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 28 day of December, 2011.

Witness (if any)

For Commission


For Company
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Checked by

APR 24 2012

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 34-19H 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: 12/28/11

Signature: 
Title: Production Assistant

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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Zweygardt 34-19H

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Flow

September-11

DATE	Tubing Casing		STATIC	MCF	SPM	CYCLE	HRS	DOWN	Water	REMARKS
	PSI	PSI								
9/1/2011		70	79	42	0	0	0	0	0	
9/2/2011		58	82	70	0	0	0	0	0	
9/3/2011		58	81	62	0	0	0	0	0	
9/4/2011		57	80	52	0	0	0	0	0	
9/5/2011		57	79	41	0	0	0	0	0	
9/6/2011		65	79	38	0	0	0	0	0	
9/7/2011		71	79	42	0	0	0	0	0	
9/8/2011		69	82	71	0	0	0	0	0	
9/9/2011		68	81	64	0	0	0	0	0	
9/10/2011		66	80	56	0	0	0	0	0	
9/11/2011		66	79	46	0	0	0	0	0	
9/12/2011		68	82	66	0	0	0	0	0	
9/13/2011		66	80	51	0	0	0	0	0	
9/14/2011		68	79	50	0	0	0	0	0	
9/15/2011		67	81	65	0	0	0	0	0	
9/16/2011		67	80	60	0	0	0	0	0	
9/17/2011		65	80	55	0	0	0	0	0	
9/18/2011		65	78	41	0	0	0	0	0	
9/19/2011		69	78	42	0	0	0	0	0	
9/20/2011		67	81	69	0	0	0	0	0	
9/21/2011		68	80	63	0	0	0	0	0	
9/22/2011		65	79	48	0	0	0	0	0	
9/23/2011		64	78	40	0	0	0	0	0	
9/24/2011		69	78	40	0	0	0	0	0	
9/25/2011		68	81	71	0	0	0	0	0	
9/26/2011		66	80	63	0	0	0	0	0	
9/27/2011		62	79	52	0	0	0	0	0	
9/28/2011		68	77	66	0	0	0	0	0	
9/29/2011		62	76	45	0	0	0	0	0	
9/30/2011		124	74	0	0	0	0	24	0	si for state test
10/1/2011		0	0	0	0	0	0	0	0	

Total

1571

0

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Zweygart 34-19H

St. Francis

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Flow

October-11

DATE	Tubing Casing		STATIC	MCF	SPM	CYCLE DOWN	HRS	Water	REMARKS (Maximum length 110 characters)
	PSI	PSI						BBLs	
10/1/2011		67	82	65	0	0	0	0	
10/2/2011		68	81	64	0	0	0	0	
10/3/2011		67	81	60	0	0	0	0	
10/4/2011		65	80	50	0	0	0	0	
10/5/2011		68	80	49	0	0	0	0	
10/6/2011		66	79	68	0	0	0	0	
10/7/2011		66	80	46	0	0	0	0	tightened packing on equalize valve
10/8/2011		65	79	37	0	0	0	0	
10/9/2011		68	80	56	0	0	0	0	
10/10/2011		67	81	63	0	0	0	0	
10/11/2011		66	85	61	0	0	0	0	
10/12/2011		65	80	66	0	0	0	0	
10/13/2011		63	77	65	0	0	0	0	
10/14/2011		63	78	59	0	0	0	0	
10/15/2011		61	76	44	0	0	0	0	
10/16/2011		66	78	59	0	0	0	0	
10/17/2011		65	79	71	0	0	0	0	
10/18/2011		64	78	69	0	0	0	0	
10/19/2011		69	81	37	0	0	0	0	
10/20/2011		66	81	61	0	0	0	0	
10/21/2011		65	77	33	0	0	0	0	
10/22/2011		68	79	54	0	0	0	0	
10/23/2011		66	80	67	0	0	0	0	
10/24/2011		67	80	64	0	0	0	0	
10/25/2011		66	80	61	0	0	0	0	
10/26/2011		66	79	62	0	0	0	0	
10/27/2011		66	79	65	0	0	0	0	
10/28/2011		67	79	65	0	0	0	0	
10/29/2011		66	79	64	0	0	0	0	
10/30/2011		66	79	63	0	0	0	0	
10/31/2011		66	79	63	0	0	0	0	

Total

1811

0

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Zweygardt 34-19H

St. Francis

St. Francis

Flow

November-11

DATE	Tubing Casing		STATIC	MCF	SPM	CYCLE	HRS	Water	REMARKS (Maximum length 110 characters)
	PSI	PSI					DOWN	BBLs	
11/1/2011		65	78	61	0	0	0	0	
11/2/2011		66	77	43	0	0	0	0	
11/3/2011		65	79	66	0	0	0	0	
11/4/2011		65	78	61	0	0	0	0	
11/5/2011		62	77	46	0	0	0	0	
11/6/2011		67	76	36	0	0	0	0	
11/7/2011		76	79	69	0	0	0	0	
11/8/2011		65	82	59	0	0	0	0	
11/9/2011		65	78	60	0	0	0	0	
11/10/2011		64	77	48	0	0	0	0	
11/11/2011		64	78	61	0	0	0	0	
11/12/2011		61	76	46	0	0	0	0	
11/13/2011		65	76	42	0	0	0	0	
11/14/2011		64	78	63	0	0	0	0	
11/15/2011		60	75	48	0	0	0	0	
11/16/2011		64	75	37	0	0	0	0	
11/17/2011		64	77	64	0	0	0	0	
11/18/2011		64	76	57	0	0	0	0	
11/19/2011		57	76	51	0	0	0	0	
11/20/2011		64	76	59	0	0	0	0	
11/21/2011		62	76	60	0	0	0	0	
11/22/2011		65	75	44	0	0	0	0	
11/23/2011		65	77	65	0	0	0	0	
11/24/2011		66	77	62	0	0	0	0	
11/25/2011		66	76	46	0	0	0	0	
11/26/2011		66	76	50	0	0	0	0	
11/27/2011		64	77	63	0	0	0	0	
11/28/2011		64	77	59	0	0	0	0	
11/29/2011		65	75	41	0	0	0	0	
11/30/2011		64	77	65	0	0	0	0	
12/1/2011		0	0	0	0	0	0	0	

Total

1632

0

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