

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

- Open Flow **ASL**
 Deliverability

Test Date:
6/26/2012

API No. 15
023-20638-0000

Company Rosewood Resources, Inc.		Lease Alvin		Well Number 33-08	
County Cheyenne	Location NESE/4	Section 8	TWP 3S	RNG (E/W) 41W	Acres Attributed 80
Field St. Francis		Reservoir Niobrara		Gas Gathering Connection Branch Systems Inc.	
Completion Date 1-15-2006		Plug Back Total Depth 1614"		Packer Set at	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052	Set at 1430'	Perforations 1430'	To 1460'
Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) Single (Conventional)		Type Fluid Production		Pump Unit or Traveling Plunger? Yes / <input checked="" type="radio"/> No Pumping Unit	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen Gas Gravity - G _g .6	
Vertical Depth(H) 1430'		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 6-26		20 12 at 10:25		(AM) (PM) Taken 6-27	
Well on Line: Started 6-27		20 12 at 10:40		(AM) (PM) Taken 6-28	
		20 12 at 10:40		(AM) (PM) Taken 6-28	
		20 12 at 11:25		(AM) (PM)	

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OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter or Prover Pressure psig (P _m)	Pressure Differential in Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _i) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						167	181.4				
Flow						54	68.4			24	

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (F _v) 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
						9		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

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

(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²	(P _c) 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 by: $\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2}$	Backpressure Curve Slope = "n" ----- or ----- 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 19 day of December, 20 12.

Witness (if any)

Jannell Geew
For Company

For Commission

Checked by

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Form G-2
(Rev. 7/03)

JAN 03 2013

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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 Alvin 33-08 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: Jannell Gowen
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.

W361
 Alvin 33-08
 St. Francis
 St. Francis
 Pumping Unit/elec
 June-12

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DATE	Tubing Casing		STATIC MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI					
6/1/2012		35	48	8			
6/2/2012		35	48	8			
6/3/2012		38	51	8			
6/4/2012		43	56	8			
6/5/2012		36	49	8			
6/6/2012		37	50	8			
6/7/2012		37	50	8			
6/8/2012		37	50	8			
6/9/2012		38	51	8			
6/10/2012		37	50	8			
6/11/2012		37	50	8			
6/12/2012		37	50	8			
6/13/2012		37	50	8			
6/14/2012		38	51	8			
6/15/2012		43	56	8			
6/16/2012		38	51	8			
6/17/2012		38	51	8			
6/18/2012		46	59	8			
6/19/2012		46	59	7			
6/20/2012		50	63	7			
6/21/2012		52	65	7			
6/22/2012		61	74	6			
6/23/2012		58	71	6			
6/24/2012		48	61	7			
6/25/2012		58	71	7			cp 64 si for state test
6/26/2012		167	70	0	24		cp 167 opened
6/27/2012		54	67	10			
6/28/2012		60	73	10			
6/29/2012		59	72	10			
6/30/2012		47	60	10			
7/1/2012							

Total

231

0

W361
 Alvin 33-08
 St. Francis
 St. Francis
 Pumping Unit/elec
 July-12

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DATE	Tubing Casing		STATIC MCF	SPM	HRS CYCLE DOWN	Water BBLs	REMARKS (Maximum length 110 characters)
	PSI	PSI					
7/1/2012		47	60	10			
7/2/2012		41	56	10		3	
7/3/2012		61	74	9			
7/4/2012		36	49	10			
7/5/2012		35	48	9			
7/6/2012		33	46	9		1	
7/7/2012		36	49	9			
7/8/2012		41	54	9			
7/9/2012		41	54	9			
7/10/2012		40	53	9			
7/11/2012		37	50	9			
7/12/2012		37	50	9			
7/13/2012		37	50	9			
7/14/2012		37	50	9			
7/15/2012		38	51	9			
7/16/2012		55	68	9		1.5	
7/17/2012		35	48	9			
7/18/2012		34	47	9			
7/19/2012		43	56	9		0.5	
7/20/2012		45	58	9			
7/21/2012		48	61	9			
7/22/2012		40	53	9			
7/23/2012		38	51	9		0.5	
7/24/2012		44	57	9			
7/25/2012		56	69	8			
7/26/2012		37	50	9			
7/27/2012		70	83	7		5	
7/28/2012		48	61	8			
7/29/2012		41	54	9			
7/30/2012		35	48	9			
7/31/2012		35	48	9			
Total			278			0	

W361
 Alvin 33-08
 St. Francis
 St. Francis
 Pumping Unit/elec
 August-12

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DATE	Tubing Casing		STATIC MCF	SPM	HRS CYCLE DOWN	Water BLS	REMARKS (Maximum length 110 characters)
	PSI	PSI					
8/1/2012		36	49	9			
8/2/2012		39	52	8			
8/3/2012		39	52	9			
8/4/2012		38	51	9			
8/5/2012		38	51	8			
8/6/2012		36	49	9			
8/7/2012		44	57	8			
8/8/2012		41	54	8			
8/9/2012		40	53	9			
8/10/2012		55	68	9			
8/11/2012		42	55	9	1.5		
8/12/2012		37	50	9			
8/13/2012		34	47	9			
8/14/2012		34	47	9			
8/15/2012		35	48	9			
8/16/2012		35	48	8			
8/17/2012		34	47	8			
8/18/2012		37	50	8			
8/19/2012		37	50	8			
8/20/2012		36	49	8			
8/21/2012		35	48	8			
8/22/2012		35	48	8			
8/23/2012		35	48	8			
8/24/2012		39	52	8			
8/25/2012		39	52	8			
8/26/2012		37	50	8			
8/27/2012		37	50	8			
8/28/2012		36	49	8			
8/29/2012		38	51	8			
8/30/2012		38	51	8			
8/31/2012		38	51	8			

Total

259

0