

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow
 Deliverability

Test Date:
9/30/2010

API No. 15
181-20565-00-00

Company: Rosewood Resources, Inc. Lease: Philbrick Well Number: 13-14

County: Sherman Location: NWSW Section: 14 TWP: 9S RNG (E/W): 40W Acres Attributed: 80

Field: Goodland Reservoir: Niobrara Gas Gathering Connection: Branch Systems Inc.

Completion Date: 8/20/2010 Plug Back Total Depth: 1242' Packer Set at:

Casing Size: 4 1/2" Weight: 10.5# Internal Diameter: 4.000 Set at: 1222' Perforations: 1048' To: 1080'

Tubing Size: NONE Weight: Internal Diameter: Set at: Perforations: To:

Type Completion (Describe): Single (VERTICLE) Type Fluid Production: Dry Gas Pump Unit or Traveling Plunger? Yes No

Producing Thru (Annulus / Tubing): Annulus % Carbon Dioxide: % Nitrogen: Gas Gravity - G_g: .6

Vertical Depth(H): 1317' Pressure Taps: Flange (Meter Run) (Prover) Size: 2"

Pressure Buildup: Shut in 20 at (AM) (PM) Taken 20 at (AM) (PM)

Well on Line: Started 9-30 20 10 at 10:40 (AM) (PM) Taken 10-1 20 10 at 11:00 (AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter 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											
Flow						45	59.4			24	0

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
						28		

(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 _a) ² - (P _w) ² or (P _a) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _a ² - P _d ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by: P _c ² - P _w 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 20 day of December, 20 10

Witness (if any)

For Commission

Wayne Proba
For Company

Checked by

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JAN 26 2011

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 Philbrick 13-14 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: 12/20/10

Signature: Wayne Gruba

Title: Assistant Production Foreman

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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KCC WICHITA

W2729
 Philbrick 13-14
 South Goodland
 Goodland
 None
 September-10
 FloBoss

DATE	Casing PSI	STATIC MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
9/1/2010				
9/2/2010				
9/3/2010				
9/4/2010				
9/5/2010				
9/6/2010				
9/7/2010				
9/8/2010				
9/9/2010				
9/10/2010				
9/11/2010				
9/12/2010				
9/13/2010				
9/14/2010				
9/15/2010				
9/16/2010				
9/17/2010				
9/18/2010				
9/19/2010				
9/20/2010				
9/21/2010				
9/22/2010				
9/23/2010				
9/24/2010				
9/25/2010				
9/26/2010				
9/27/2010				
9/28/2010				
9/29/2010				
9/30/2010	40	53	0	on line, flowing 26
10/1/2010				
Total			0	

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 KCC WICHITA

W2729
 Philbrick 13-14
 South Goodland
 Goodland
 None
 October-10
 FloBoss

DATE	Casing		MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC			
10/1/2010	31	44		4	flowing 20, flowed 21 for month
10/2/2010	28	41		22	
10/3/2010	27	40		20	
10/4/2010	26	39		19	
10/5/2010	25	38		18	
10/6/2010	24	37		17	
10/7/2010	23	36		17	
10/8/2010	23	36		17	
10/9/2010	22	35		16	
10/10/2010	22	35		16	
10/11/2010	21	34		16	
10/12/2010	21	34		15	
10/13/2010	20	33		15	
10/14/2010	20	33		15	
10/15/2010	20	33		15	
10/16/2010	20	33		15	
10/17/2010	19	32		14	
10/18/2010	18	31		14	
10/19/2010	19	32		14	
10/20/2010	18	31		14	
10/21/2010	18	31		14	
10/22/2010	18	31		14	
10/23/2010	18	31		14	
10/24/2010	18	31		14	
10/25/2010	18	31		14	
10/26/2010	17	30		13	2
10/27/2010	17	30		13	bp
10/28/2010	17	30		13	
10/29/2010	17	30		13	
10/30/2010	17	30		13	
10/31/2010	17	30		13	

Total 461

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 KCC WICHITA

W440
 Philbrick 13-14
 South Goodland
 Goodland
 None
 November-10
 FloBoss

DATE	Casing		MCF	HRS DOWN	REMARKS (Maximum length 110 characters)
	PSI	STATIC			
11/1/2010	16	29	29	13	
11/2/2010	16	29	29	13	
11/3/2010	16	29	29	13	
11/4/2010	16	29	29	13	
11/5/2010	16	29	29	13	
11/6/2010	16	29	29	13	
11/7/2010	16	29	29	12	
11/8/2010	16	29	29	13	
11/9/2010	16	29	29	13	
11/10/2010	15	28	28	13	
11/11/2010	15	28	28	12	
11/12/2010	15	28	28	12	
11/13/2010	15	28	28	12	
11/14/2010	15	28	28	12	
11/15/2010	15	28	28	12	
11/16/2010	15	28	28	12	
11/17/2010	15	28	28	12	
11/18/2010	15	28	28	11	
11/19/2010	15	28	28	12	
11/20/2010	14	27	27	12	
11/21/2010	16	29	29	10	
11/22/2010	15	28	28	12	
11/23/2010	15	28	28	12	
11/24/2010	15	28	28	12	
11/25/2010	14	27	27	13	
11/26/2010	15	28	28	12	
11/27/2010	14	27	27	11	
11/28/2010	14	27	27	11	
11/29/2010	14	27	27	11	
11/30/2010	14	27	27	11	
12/1/2010					

Total 363

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