

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

24 hrs

Test Date: 8-17-04

API No. 15-181-20358000

Company <u>Rosewood Resources</u>			Lease <u>Richardson</u>			Well Number <u>1-34</u>		
County <u>Sherman</u>	Location <u>SE NE</u>	Section <u>34</u>	TWP <u>8S</u>	RNG (E/W) <u>40 W</u>	Acres Attributed <u>80</u>			
Field <u>Goodland</u>		Reservoir <u>Niobrara</u>		Gas Gathering Connection <u>B.S.I. (WOPL)</u>				
Completion Date <u>8-5-04</u>		Plug Back Total Depth <u>1177</u>			Packer Set at			
Casing Size <u>2 7/8"</u>	Weight <u>6.5 #</u>	Internal Diameter <u>2.441</u>	Set at <u>1287</u>	Perforations <u>1106</u>	To <u>1138</u>			
Tubing Size <u>none</u>	Weight	Internal Diameter	Set at	Perforations	To			
Type Completion (Describe) <u>SINGLE</u>			Type Fluid Production <u>Gas</u>		Pump Unit or Traveling Plunger? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Producing Thru (Annulus / Tubing) <u>Annulus</u>			% Carbon Dioxide <u>0</u>		% Nitrogen <u>0</u>		Gas Gravity - G _g <u>0.64</u>	
Vertical Depth(H) <u>1138</u>			Pressure Taps <u>FLANGE</u>			(Meter Run) (Prover) Size <u>2"</u>		
Pressure Buildup: Shut in <u>8/16</u> 20 <u>04</u> at <u>7</u> (AM) (PM)		Taken <u>8/17</u> 20 <u>04</u> at <u>7</u> (AM) (PM)						
Well on Line: Started _____ 20__ at _____ (AM) (PM)		Taken _____ 20__ at _____ (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 _i) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c)		Duration (Hours)
						psig	psia	psig	psia	
Shut-In						<u>39</u>	<u>53.4</u>			RECEIVED JAN 24 2005 KCC WICHITA
Flow										

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (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 (Mcf/d)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(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" ----- Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcf/d)

Open Flow Mcf/d @ 14.65 psia Deliverability Mcf/d @ 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 14 day of January, 20 05.

Witness (if any)

Stuart Clark

For Company

For Commission

Checked by

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 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 Richardson 1-34 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: 1/14/05

Signature: Dwight Harris
Title: Reeve Engle

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.

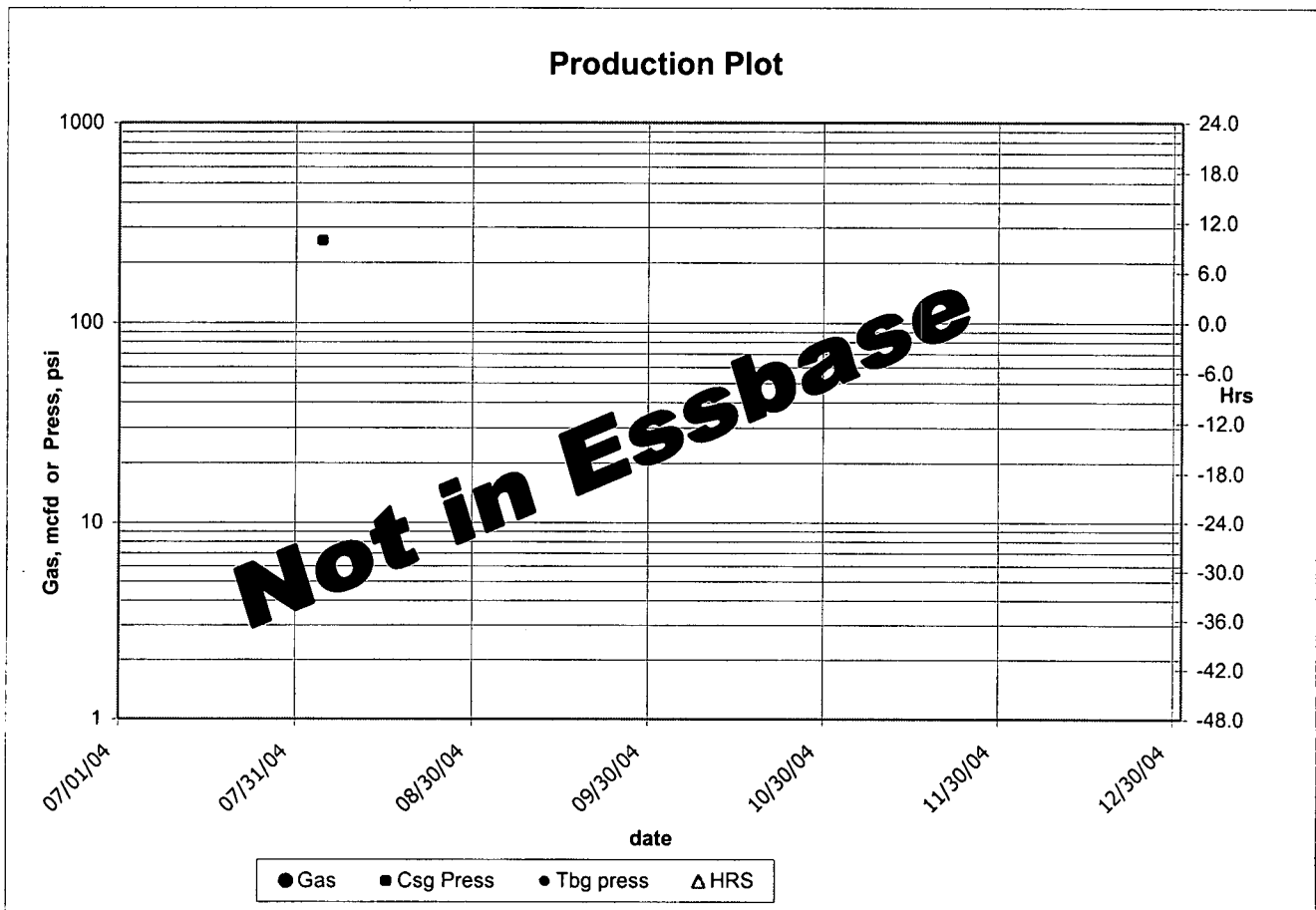
The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.

Actual
Richardson 01-34

	<u>Gas</u>	<u>Csg Press</u>	<u>Tbg Press</u>	<u>Line Press</u>	<u>Hrs</u>	<u>Remarks</u>
2004/01						
2004/02						
2004/03						
2004/04						
2004/05						
2004/06						
2004/07						SPUD & TD
2004/08						Perf, Frac, Flow, SI & WOPL
2004/09						WOPL, SI 1056 Hrs.
2004/10		0.0				WOPL, SI 1800 Hrs.
2004/11						WOPL, SI 2520 Hrs.
2004/12						WOPL, SI 3264 Hrs.
TOTAL					3264	Shutin Hours

As of 01/15/2005 total Shut-in hrs = 3624

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Actual		
Richardson 01-34		not in Essbase
Gas Csg Press Tbg Press Line Press		Hrs Remarks

07/01/2004
 07/02/2004
 07/03/2004
 07/04/2004
 07/05/2004
 07/06/2004
 07/07/2004
 07/08/2004
 07/09/2004
 07/10/2004
 07/11/2004
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 08/10/2004
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 08/12/2004
 08/13/2004
 08/14/2004
 08/15/2004
 08/16/2004
08/17/2004
 08/18/2004
 08/31/2004
 09/30/2004
 10/31/2004
 11/30/2004
 12/31/2004

258.0

39#

SPUD. Set Surf 350 WOC.
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 WOCTDR
 WOCTDR
 WOCTDR
 MIRU CTDR, TD@1287, Log, Set 2-7/8 Csg
 (cont.) at 1287. RR. WOC
 WOCU
 Run GR/CBL & PERF 1106-1138 spf2
 (cont.) 120deg phz 20" pen. & SI for frac
 N2Frac 100k# SICIP 2hrs & Flo to Pit
 FCP 24/64 Chk to pit dry
 FCP 24/64 Chk to pit dry
 FCP 24/64 Chk to pit dry
 FCP 24/64 Chk to pit dry
 FCP 24/64 Chk to pit dry
 FCP 24/64 Chk to pit dry
 FCP 24/64 Chk to pit dry
 SI
 SI
 SI
 SI
 SICIP G-2 & WOPL
 WOPL
 WOPL, SI 336 Hrs.
 WOPL, SI 1056 Hrs.
 WOPL, SI 1800 Hrs.
 WOPL, SI 2520 Hrs.
 WOPL, SI 3264 Hrs.

Not in Essbase

RECEIVED
JAN 24 2005
KCC WICHITA

01/15/2005

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