

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

SCHEDULE 13D

Under the Securities Exchange Act of 1934

**Antero Resources Corporation**

(Name of Issuer)

**Common Stock**

(Title of Class of Securities)

**03674X 106**

(CUSIP Number)

**Paul M. Rady**  
**1615 Wynkoop Street**  
**Denver, Colorado 80202**  
**(303) 357-7310**

(Name, Address and Telephone Number of Person  
Authorized to Receive Notices and Communications)

**November 23, 2015**

(Date of Event Which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition which is the subject of this Schedule 13D, and is filing this schedule because of Rule 13d-1(e), 13d-1(f) or 13d-1(g), check the following box:

**Note:** Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See Rule 13d-7 for other parties to whom copies are to be sent.

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 (the "Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

(Continued on following pages)

**SCHEDULE 13 D**

CUSIP No. 03674X 106

1. Name of Reporting Person  
Paul M. Rady

2. Check the Appropriate Box if a Member of a Group

(a)

(b)

3. SEC Use Only

4. Source of Funds (See Instructions)

5. Check Box if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)

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6. Citizenship or Place of Organization  
United States

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7. Sole Voting Power  
10,160,879

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Number of  
Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person With

8. Shared Voting Power  
8,194,058(1)

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9. Sole Dispositive Power  
10,160,879

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10. Shared Dispositive Power  
8,194,058(1)

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11. Aggregate Amount Beneficially Owned by Each Reporting Person  
18,354,939(1)

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12. Check Box if the Aggregate Amount in Row (11) Excludes Certain Shares

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13. Percent of Class Represented by Amount in Row (11)  
6.6%(1)(2)

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14. Type of Reporting Person  
IN

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(1) Includes 5,682,346 shares of Common Stock held by Salisbury Investment Holdings LLC (“Salisbury”), and 2,511,712 shares of Common Stock held by Mockingbird Investments LLC (“Mockingbird”). The Reporting Person owns a 95% limited liability company interest in Salisbury and his spouse owns the remaining 5%. The Reporting Person owns a 3.68% limited liability company interest in Mockingbird, and a trust under his control owns the remaining 96.32%. The Reporting Person disclaims beneficial ownership of all shares held by Salisbury and Mockingbird except to the extent of his pecuniary interest therein.

(2) Calculations are based upon 277,049,261 shares of Common Stock outstanding as of November 20, 2015.

## Item 1. Security and Issuer

This Schedule 13D relates to the common stock, par value \$0.01 per share (the “*Common Stock*”), of Antero Resources Corporation, a Delaware corporation (the “*Issuer*” or the “*Company*”), which has its principal executive offices at 1615 Wynkoop Street, Denver, Colorado 80202.

## Item 2. Identity and Background

(a) This Schedule 13D is being filed on behalf of Paul M. Rady (the “Reporting Person”).

(b) The principal business address of the Reporting Person is 1615 Wynkoop Street, Denver, Colorado 80202.

(c) The present principal occupation of the Reporting Person is Chairman of the Board of the Directors and Chief Executive Officer of the Issuer. The principal business of the Issuer is the exploitation, development and acquisition of natural gas, natural gas liquids and oil properties located in the Appalachian Basin in West Virginia, Ohio and Pennsylvania. The Reporting Person is also the Chairman of the Board of Directors and Chief Executive Officer of the general partner of the Issuer’s master limited partnership subsidiary, Antero Midstream Partners LP, which owns, operates and develops midstream energy assets to service the Issuer’s rapidly increasing production.

(d) In the past five years, the Reporting Person has not been convicted in a criminal proceeding (excluding traffic violations or similar misdemeanors).

(e) In the past five years, the Reporting Person has not been a party to a civil proceeding of a judicial or administrative body of competent jurisdiction that has resulted in a judgment, decree or final order enjoining future violations of, or prohibiting or mandating activities subject to, federal or state securities laws or finding any violations with respect to such laws.

(f) The Reporting Person is a citizen of the United States.

### Item 3. Source and Amount of Funds or Other Consideration

The Reporting Person holds a direct membership interest in Antero Investment LLC, a Delaware limited liability company (“Antero Investment”), and a direct membership interest in Salisbury, Mockingbird and Antero Resources Employee Holdings LLC, a Delaware limited liability company, all of which hold direct membership interests in Antero Investment. The Common Stock reported on the cover page of this Schedule 13D was initially acquired by Antero Investment in connection with the Issuer’s corporate reorganization and initial public offering (the “Offering”). Pursuant to the limited liability company agreement of Antero Investment, all of the shares of Common Stock held by Antero Investment were distributed to the members of Antero Investment, including the Reporting Person, on a pro rata basis on November 23, 2015, with no consideration being paid in connection therewith (the “Distribution”).

### Item 4. Purpose of Transaction

The information contained in Item 3 above is incorporated herein by reference.

The Reporting Person acquired the Common Stock for investment purposes in connection with the Distribution. The Reporting Person intends to participate in and influence the affairs of the Issuer through his position as a board member and executive officer of the Issuer, as well as through the voting of his shares of Common Stock.

(a) The Reporting Person at any time and from time to time may acquire additional shares of Common Stock or dispose of any or all of the shares of Common Shares that he owns depending upon an ongoing evaluation of the investment in the Common Stock, prevailing market conditions, other investment opportunities, other investment considerations and/or other factors.

(b) — (j) Except as disclosed herein, the Reporting Person has no plans or proposals which relate to, or could result in, any of the matters referred to in paragraphs (b) through (j) inclusive of the instructions to Item 4 of Schedule 13D. The Reporting Person may, at any time and from time to time, review or reconsider his position and/or change his purpose and/or formulate plans or proposals with respect thereto.

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### Item 5. Interest in Securities of the Issuer

(a) — (b) The aggregate number and percentage of shares of Common Stock beneficially owned by the Reporting Person (on the basis of a total of 277,049,261 shares issued and outstanding as of November 20, 2015) are as follows:

Amount beneficially owned: 18,354,939 Percentage: 6.6%

Number of shares to which the Reporting Person has:

i. Sole power to vote or to direct the vote:	10,160,879
ii. Shared power to vote or to direct the vote:	8,194,058
iii. Sole power to dispose or to direct the disposition of:	10,160,879
iv. Shared power to dispose or to direct the disposition of:	8,194,058

The number of shares to which the Reporting Person has shared voting and dispositive power includes 5,682,346 shares of Common Stock held by Salisbury, and 2,511,712 shares of Common Stock held by Mockingbird. The Reporting Person owns a 95% limited liability company interest in Salisbury and his spouse owns the remaining 5%. The Reporting Person owns a 3.68% limited liability company interest in Mockingbird, and a trust under his control owns the remaining 96.32%. The Reporting Person disclaims beneficial ownership of all shares held by Salisbury and Mockingbird except to the extent of his pecuniary interest therein.

(c) The information contained in Item 3 above is incorporated herein by reference. Except as described therein, the Reporting Person has not effected any transactions in the Common Stock during the past 60 days.

(d) The Reporting Person has the right to receive the proceeds from the sale of the Common Stock reported on the cover page of this Schedule 13D and in this Item 5. Except for the foregoing, no other person is known by the Reporting Person to have the right to receive or the power to direct the receipt of the proceeds from the sale of the Common Stock beneficially owned by the Reporting Person.

(e) Not applicable.

## **Item 6. Contracts, Arrangements, Understandings or Relationships with Respect to Securities of the Issuer**

The information provided or incorporated by reference in Item 3 and Item 4 is hereby incorporated by reference herein.

### ***Registration Rights Agreement***

In connection with the closing of the Offering, on October 16, 2013, the Issuer entered into a registration rights agreement (the “*Registration Rights Agreement*”) with the owners of the membership interests of Antero Investment, including the Reporting Person, certain other members of the Issuer’s management and investment funds affiliated with or managed by Warburg Pincus LLC, Yorktown Partners LLC and Trilantic Capital Partners (collectively, the “*Sponsors*”). Pursuant to the Registration Rights Agreement, the Issuer has agreed to register the sale of shares of its Common Stock under certain circumstances.

The Sponsors and certain other investors (collectively, the “*Investor Members*”) have the right to require the Issuer by written notice to register the sale of a number of their shares of Common Stock in an underwritten offering. The Issuer is required to provide notice of the request within 10 days following the receipt of any such demand request to all additional holders of Common Stock party to the Registration Rights Agreement, who may, in certain circumstances, participate in the registration. The Investor Members have the right to cause up to an aggregate of two such demand registrations (and up to four additional demand registrations that constitute “shelf registrations” as such term is defined in the Registration Rights Agreement). In no event shall more than one demand registration occur during any six-month period or 90 days after the date of a final prospectus the Issuer files. Further, the Issuer is not obligated to effect any demand registration in which the anticipated aggregate offering price included in such offering is less than \$50,000,000. Any such demand registration may be for a shelf registration statement. The Issuer will be required to maintain the effectiveness of any such registration statement

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until the earlier of 180 days (or two years if a “shelf registration” is requested) after the effective date and the consummation of the distribution by the participating holders.

If, at any time, the Issuer proposes to register an offering of Common Stock (subject to certain exceptions) for its own account, then it must give at least fifteen days’ notice to all holders of registrable securities to allow them to include a specified number of their shares in that registration statement.

These registration rights are subject to certain conditions and limitations, including the right of the underwriters to limit the number of shares to be included in a registration and the Issuer’s right to delay or withdraw a registration statement under certain circumstances. The Issuer will generally pay all registration expenses in connection with its obligations under the Registration Rights Agreement, regardless of whether a registration statement is filed or becomes effective.

The obligations to register shares under the Registration Rights Agreement will terminate on the earlier of (i) ten years following the closing of the Offering and (ii) when no Registrable Common Stock remains outstanding. Registrable Common Stock means all Common Stock other than shares (i) sold pursuant to an effective registration statement under the Securities Act of 1933, as amended (the “*Securities Act*”), (ii) sold in a transaction exempt from registration under the Securities Act (including transactions pursuant to Rule 144(A)), (iii) that have ceased to be outstanding, (iv) sold in a private transaction in which the transferor’s rights under the Registration Rights Agreement are not assigned to the transferee of the Common Stock or (v) that have become eligible for resale pursuant to Rule 144(b) (or any similar rule then in effect under the Securities Act).

References to, and descriptions of, the Registration Rights Agreement as set forth in this Schedule 13D are qualified in their entirety by reference to the Registration Rights Agreement, dated as of October 16, 2013, by and among Antero Resources Corporation and the owners of the membership interests in Antero Investment LLC, filed as Exhibit 10.1 to the Issuer’s Current Report on Form 8-K, filed with the Commission on October 17, 2013 (Commission File No. 001-36120), which is incorporated by reference herein in its entirety.

## **Item 7. Material to be Filed as Exhibits**

Exhibit A Registration Rights Agreement, dated as of October 16, 2013, by and among Antero Resources Corporation and the owners of the membership interests in Antero Investment LLC (incorporated by reference to Exhibit 10.1 to Current Report on Form 8-K (Commission File No. 001-36120) filed on October 17, 2013).

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## **Signature**

After reasonable inquiry and to the best of his knowledge and belief, the undersigned certifies that the information set forth in this statement is true, complete and correct.

Date: November 23, 2015

**Paul M. Rady**

/s/ Alwyn A. Schopp

Name: Alwyn A. Schopp

Title: Attorney in Fact\*

\* The Power of Attorney given by Mr. Rady was previously filed with the U.S. Securities and Exchange Commission on October 9, 2013 as an exhibit to the Form 3 filed by Mr. Rady with respect to the Issuer and is hereby incorporated by reference.