

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

SCHEDULE 13D

Under the Securities Exchange Act of 1934
(Amendment No. 2)

Antero Midstream Partners LP

(Name of Issuer)

Common Units Representing Limited Partner Interests

(Title of Class of Securities)

03673L 103

(CUSIP Number)

Glen C. Warren, Jr.
1615 Wynkoop Street
Denver, Colorado 80202
(303) 357-7310

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

September 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. 03673L 103

1 Name of Reporting Person
Antero Resources Corporation

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

6 Citizenship or Place of Organization
Delaware

7 Sole Voting Power*
40,929,378 Common Units

Number of Shares Beneficially Owned by Each Reporting Person With

8 Shared Voting Power
0 Common Units

9 Sole Dispositive Power*
40,929,378 Common Units

10 Shared Dispositive Power
0 Common Units

11 Aggregate Amount Beneficially Owned by Each Reporting Person*
40,929,378 Common Units

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

13 Percent of Class Represented by Amount in Row (11)
41.0% **

14 Type of Reporting Person
CO

* Antero Resources Corporation may also be deemed to beneficially own 75,940,957 subordinated units representing limited partner interests in Antero Midstream Partners LP, which may be converted into common units on a one-for-one basis at the times set forth in, and subject to the terms and conditions of, the Agreement of Limited Partnership of Antero Midstream Partners LP.

** Calculation of percentage based on a total of 99,851,432 common units outstanding as of September 23, 2015.

Explanatory Note: This Amendment No. 2 (this “*Amendment*”) amends and supplements the Statement on Schedule 13D filed on November 19, 2014 with the Securities and Exchange Commission (the “*Commission*”) relating to the common units (“*Common Units*”) representing limited partner interests in Antero Midstream Partners LP (the “*Issuer*” or “*Partnership*”), a Delaware limited partnership (such Schedule 13D, as amended and supplemented by Amendment No. 1, filed on September 18, 2015, the “*Original Schedule 13D*”). The Original Schedule 13D is hereby amended and supplemented by Antero Resources Corporation, a Delaware corporation (the “*Reporting Person*”), as set forth below in this Amendment (as so amended and supplemented, the “*Schedule 13D*”). Unless set forth below, all previous Items of the Original Schedule 13D are unchanged. Capitalized terms used herein which are not defined herein have the meanings set forth in the Original Schedule 13D.

Item 3. Source and Amount of Funds or Other Consideration

Item 3 of the Original Schedule 13D is supplemented as follows:

On September 23, 2015, the Partnership completed the previously announced transaction by which (i) the Partnership acquired all of

the outstanding limited liability company interests of Antero Water LLC, a wholly-owned subsidiary of the Reporting Person that owns and operates the Reporting Person's fresh water distribution assets, and (ii) Antero Treatment LLC ("*Antero Treatment*"), a wholly-owned subsidiary of the Partnership, acquired all of the assets, contracts, rights, permits and properties owned or leased by the Reporting Person and used primarily in connection with the construction, ownership, operation, use or maintenance of the Reporting Person's advanced wastewater treatment complex to be constructed in Doddridge County, West Virginia (collectively, (i) and (ii) are referred to herein as the "*Contributed Assets*"), pursuant to a Contribution, Conveyance and Assumption Agreement, dated as of September 17, 2015 (the "*Contribution Agreement*"), by and among the Reporting Person, the Partnership and Antero Treatment. In consideration for the acquisition of the Contributed Assets, the Partnership agreed to pay the Reporting Person aggregate consideration of \$1.05 billion, consisting of (i) a cash distribution equal to \$552.45 million, less any indebtedness assumed by the Partnership in connection with the closing of the Transaction (as defined below), and (ii) 23,886,421 Common Units issued to Antero. In addition, the Partnership has agreed to pay the Reporting Person (a) \$125 million in cash if the Partnership's delivered fresh water volumes average 161,000 barrels per day or more between January 1, 2017 and December 31, 2019 and (b) an additional \$125 million in cash if the Partnership's delivered fresh water volumes average 200,183 barrels per day or more between January 1, 2018 and December 31, 2020, all in accordance with the terms of the Contribution Agreement. The transactions contemplated by the Contribution Agreement are referred to herein as the "*Transaction*." Upon completion of the Partnership's private placement of 12,898,000 Common Units, which closed concurrently with the Transaction (the "*Private Placement*"), an amount of cash equal to the net proceeds to the Partnership was paid to the Reporting Person and the number of Common Units issued to the Reporting Person was reduced by a number equivalent to the number of Common Units issued in the Private Placement. Upon completion of the Transaction and the Private Placement, and subject to certain adjustments, the total consideration paid by the Partnership to the Reporting Person was approximately \$794 million, less approximately \$171 million of indebtedness assumed by the Partnership, and 10,988,421 Common Units, plus the potential earn-out payments described above.

Item 4. Purpose of Transaction

This Item 4 shall be deemed to amend and restate Item 4 to the Original Schedule 13D in its entirety:

The response in Item 3 is incorporated herein by reference.

The following describes plans or proposals that the Reporting Person may have with respect to the matters set forth in Item 4(a)-(j) of Schedule 13D:

(a) Upon the termination of the subordination period as set forth in the Agreement of Limited Partnership of the Partnership, dated November 10, 2014, the Subordinated Units are convertible into Common Units on a one-for-one basis.

(b) The information set forth in Item 4(a) is incorporated by reference into this Item 4(b).

(c) None.

3

(d) None.

(e) The information set forth in Item 4(a) is incorporated by reference into this Item 4(e).

(f) None.

(g) None.

(h) None.

(i) None.

(j) Except as described in this Item 4, the Reporting Person does not have, as of the date of this Schedule 13D, any other plans or proposals that relate to or would result in any of the actions or events specified in clauses (a) through (i) of Item 4 of Schedule 13D. The Reporting Person may change its plans or proposals in the future. In determining from time to time whether to sell the Common Units reported as beneficially owned in this Schedule 13D (and in what amounts) or to retain such securities, the Reporting Person will take into consideration such factors as it deems relevant, including the business and prospects of the Partnership, anticipated future developments concerning the Partnership, existing and anticipated market conditions from time to time, general economic conditions, regulatory matters and other opportunities available to the Reporting Person. The Reporting Person reserves the right to acquire additional securities of the Partnership in the open market, in privately negotiated transactions (which may be with the Partnership or with third parties) or otherwise, to dispose of all or a portion of their holdings of securities of the Partnership or to change its intention with respect to any or all of the matters referred to in this Item 4.

Item 5. Interest in Securities of the Issuer

This Item 5 shall be deemed to amend and restate Item 5 to the Original Schedule 13D in its entirety:

(a) — (b) The aggregate number and percentage of Common Units beneficially owned by the Reporting Person (on the basis of a total of 99,851,432 Common Units issued and outstanding as of September 23, 2015) are as follows:

Amount beneficially owned: 40,929,378

Percentage: 41.0%

Number of shares to which the Reporting Person has:	
i. Sole power to vote or to direct the vote:	40,929,378
ii. Shared power to vote or to direct the vote:	0
iii. Sole power to dispose or to direct the disposition of:	40,929,378
iv. Shared power to dispose or to direct the disposition of:	0

The Reporting Person also beneficially owns 75,940,957 subordinated units of the Partnership, representing 100% of the Partnership's subordinated units. As described in Item 6 of the Original Schedule 13D, under certain circumstances, the subordinated units held by the Reporting Person are convertible into Common Units on a one-for-one basis.

In addition, as of the date of this report, certain of the directors and executive officers of the Reporting Person (the *Covered Individuals*) beneficially own the number and percentage of Common Units set forth in the following table:

<u>Name</u>	<u>Common Units Beneficially Owned</u>	<u>Percentage of Class Beneficially Owned</u>
Robert J. Clark	12,500	*
Richard W. Connor	9,000	*
Benjamin A. Hardesty	—	—
Peter R. Kagan	4,000	*
W. Howard Keenan, Jr.	4,000	*
James R. Levy	—	—
Christopher R. Manning	14,000	*
Paul M. Rady	252,000	*

4

<u>Name</u>	<u>Common Units Beneficially Owned</u>	<u>Percentage of Class Beneficially Owned</u>
Glen C. Warren, Jr.	168,000	*
Kevin J. Kilstrom	48,000	*
Ward D. McNeilly	48,000	*
Alvyn A. Schopp	54,000	*

* Less than 1% of the class beneficially owned.

(c) Neither the Reporting Person nor, to the Reporting Person's knowledge, any of the Covered Individuals, has effected any transactions in the Common Units during the past 60 days.

(d) The Reporting Person has the right to receive distributions from, and the proceeds from the sale of, the Common Units reported on the cover page of this Schedule 13D and in this Item 5. Except for the foregoing and the cash distribution described in Item 6 of the Original Schedule 13D, no other person is known by the Reporting Person to have the right to receive or the power to direct the receipt of distributions from, or the proceeds from the sale of, the Common Units beneficially owned by the Reporting Person.

(e) Not applicable.

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

Item 6 of the Original Schedule 13D is supplemented as follows:

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

5

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: September 24, 2015

ANTERO RESOURCES CORPORATION

/s/ Alvyn A. Schopp

Name: Alvyn A. Schopp
Title: Chief Administration Officer, Regional Vice President and Treasurer

