

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

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of
the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): January 28, 2026

ANTERO RESOURCES CORPORATION
(Exact Name of Registrant as Specified in its Charter)

Delaware
(State or Other Jurisdiction
of Incorporation)

001-36120
(Commission File Number)

80-0162034
(IRS Employer
Identification Number)

1615 Wynkoop Street
Denver, Colorado 80202
(Address of Principal Executive Offices) (Zip Code)

Registrant's Telephone Number, including area code (303) 357-7310

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading symbol(s)	Name of each exchange on which registered
Common Stock, par value \$0.01 Per Share	AR	New York Stock Exchange

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Item 1.01 Entry into a Material Definitive Agreement.

On January 28, 2026, Antero Resources Corporation (the “Company”) completed its previously announced underwritten public offering (the “Offering”) of \$750,000,000 aggregate principal amount of its 5.400% Senior Notes due 2036 (the “Notes”). The Offering of the Notes was registered under the Securities Act of 1933 pursuant to an automatic shelf registration statement on Form S-3 (Registration No. 333-292670) of the Company, filed with the U.S. Securities and Exchange Commission (the “Commission”) on January 12, 2026 (the “Registration Statement”), and made pursuant to the prospectus, dated January 12, 2026, as supplemented by the prospectus supplement, dated January 13, 2026, filed with the Commission.

The Company issued the Notes pursuant to an indenture, dated January 28, 2026 (the “Base Indenture”), between the Company and Computershare Trust Company, N.A., as trustee (the “Trustee”), as supplemented with respect to the Notes by a first supplemental indenture, dated January 28, 2026 (the “First Supplemental Indenture”), between the Company and the Trustee.

The Notes will bear interest at a rate of 5.400% per year. Interest on the Notes is payable on February 1 and August 1 of each year, commencing August 1, 2026. Interest on the Notes will be payable to the holders of record of the Notes at the close of business on the immediately preceding January 15 and July 15, respectively (whether or not a business day). The Notes are senior unsecured obligations of the Company and will rank equally in right of payment with all of the Company’s existing and future senior unsecured indebtedness from time to time outstanding. The Notes will not be guaranteed by any of the Company’s subsidiaries and will therefore be structurally subordinated to all existing and future indebtedness of the Company’s subsidiaries. The Base Indenture contains covenants that limit the ability of the Company and its consolidated subsidiaries to, among other things, incur liens and the ability of the Company to merge, consolidate or transfer substantially all of its assets. The Notes will be redeemable prior to maturity, in whole or in part, under the terms and conditions set forth in the First Supplemental Indenture.

The Company intends to use the net proceeds from the Offering and borrowings under a term loan facility (the “Term Loan A”) that the Company expects to enter into at the closing of its acquisition of HG Energy II Production Holdings, LLC from HG Energy II LLC (the “HG Acquisition”), to fund the HG Acquisition and related fees and expenses. The Company expects to fund the remainder of the HG Acquisition and related fees and expenses with the net proceeds of the Company’s and certain of its wholly-owned subsidiaries’ sale of substantially all of their Utica Shale oil and gas assets (the “Utica Disposition”), or, in the event the HG Acquisition closes prior to the closing of the Utica Disposition, with borrowings under the Company’s existing revolving credit facility and cash on hand, and the Company would then use the net proceeds of the Utica Disposition for general corporate purposes, including the repayment of indebtedness. The HG Acquisition is expected to close in the first half of 2026 and the Utica Disposition is expected to close in the first quarter of 2026, each subject to the satisfaction of certain customary closing conditions.

If (i) the closing of the HG Acquisition has not occurred on or prior to the later of (x) June 2, 2026 and (y) such date to which the outside date under the Membership Interest Purchase Agreement, dated December 5, 2025, by and among by and among the Company, Antero Midstream Partners, HG Energy II LLC, HG Energy II Production Holdings LLC and HG Energy II Midstream Holdings LLC (the “Purchase Agreement”) as in effect on the closing date of this Offering may be extended in accordance with the terms thereof (such later date, the “Special Mandatory Redemption Outside Date”), (ii) prior to the Special Mandatory Redemption Outside Date, the Purchase Agreement is terminated according to its terms without the closing of the HG Acquisition or (iii) the Company determines based on its reasonable judgment that the HG Acquisition will not close prior to the Special Mandatory Redemption Outside Date or at all, the Company will be required to redeem all of the outstanding Notes at a redemption price equal to 101% of the principal amount of the Notes, plus accrued and unpaid interest, if any, to but excluding the special mandatory redemption date.

The descriptions of the Base Indenture, the First Supplemental Indenture and the Notes are qualified in their entirety by reference to the Base Indenture, the First Supplemental Indenture and the specimen global certificates evidencing the Notes, copies of which are filed as exhibits 4.1, 4.2 and 4.3 to this Form 8-K and are incorporated herein by reference. A legal opinion related to the offering of the Notes is filed herewith as Exhibit 5.1 and incorporated into the Registration Statement.

Item 2.03 Creation of a Direct Financial Obligation or an Obligation under an Off-Balance Sheet Arrangement of a Registrant.

The information contained in Item 1.01 is incorporated by reference into this Item 2.03.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits.

EXHIBIT	DESCRIPTION
<u>4.1</u>	<u>Base Indenture, dated January 28, 2026, by and between Antero Resources Corporation and Computershare Trust Company, N.A., as trustee.</u>
<u>4.2</u>	<u>First Supplemental Indenture, dated January 28, 2026, by and between Antero Resources Corporation and Computershare Trust Company, N.A., as trustee.</u>
<u>4.3</u>	<u>Form of 5.400% Senior Note due 2036 (included in Exhibit 4.2).</u>
<u>5.1</u>	<u>Opinion of Vinson & Elkins, L.L.P.</u>
<u>23.1</u>	<u>Consent of Vinson & Elkins, L.L.P. (included in Exhibit 5.1).</u>
104	Cover Page Interactive Data File (embedded within the Inline XBRL document).

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

ANTERO RESOURCES CORPORATION

By: /s/ Brendan E. Krueger
Brendan E. Krueger
Chief Financial Officer and Senior Vice President – Finance and Treasurer

Dated: January 28, 2026

ANTERO RESOURCES CORPORATION
TO
COMPUTERSHARE TRUST COMPANY, N.A., TRUSTEE
INDENTURE
DATED AS OF JANUARY 28, 2026
DEBT SECURITIES
ANTERO RESOURCES CORPORATION

**RECONCILIATION AND TIE BETWEEN
TRUST INDENTURE ACT OF 1939 AND INDENTURE**

**TRUST INDENTURE
ACT SECTION**

INDENTURE SECTION

310 (a)(1)	608
(a)(2)	608
(a)(3)	Not Applicable
(a)(4)	Not Applicable
(a)(5)	608
(b)	608
610	
(c)	Not Applicable
311 (a)	612
(b)	612
(c)	Not Applicable
312 (a)	701
702(a)	
(b)	702(b)
(c)	702(b)
313 (a)	703
(b)(1)	Not Applicable
(b)(2)	703
(c)	703(b)
(d)	703(c)
314 (a)	704
(b)	Not Applicable
(c)(1)	102
(c)(2)	102
(c)(3)	Not Applicable
(d)	Not Applicable
(e)	102
(f)	Not Applicable
315 (a)	601(a)
(b)	602
(c)	601(b)
(d)	601(c)
(d)(1)	601(c)(1)
(d)(2)	601(c)(2)
(d)(3)	601(c)(3)
(e)	514
316 (a)	101
(a)(1)(A)	512
(a)(1)(B)	513
(a)(2)	Not Applicable
(b)	508
(c)	104(f)
317 (a)(1)	503
(a)(2)	504
(b)	1003
318 (a)	107

Note: This reconciliation and tie shall not, for any purpose, be deemed to be a part of the Indenture.

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Note: This table of contents shall not, for any purpose, be deemed to be a part of the Indenture.

INDENTURE, dated as of January 28, 2026, between Antero Resources Corporation, a corporation duly organized and existing under the laws of the State of Delaware (herein called the “**Company**”), having its principal office at 1615 Wynkoop Street, Denver, Colorado 80202, and Computershare Trust Company, N.A., as trustee (herein called the “**Trustee**”).

Recitals of the Company

The Company has duly authorized the execution and delivery of this Indenture to provide for the issuance from time to time of its unsecured debentures, notes or other evidences of indebtedness (herein called the “**Securities**”), to be issued in one or more series as in this Indenture provided.

All things necessary to make the Securities, when executed by the Company and authenticated and delivered hereunder and duly issued by the Company, the valid obligations of the Company, and to make this Indenture a valid agreement of the Company, in accordance with their and its terms, have been done.

Now, Therefore, This Indenture Witnesseth:

For and in consideration of the premises and the purchase of the Securities by the Holders thereof, it is mutually covenanted and agreed, for the equal and proportionate benefit of all Holders of the Securities or of one or more series thereof, as follows:

ARTICLE ONE

Definitions and Other Provisions of General Application

Section 101. Definitions.

For all purposes of this Indenture, except as otherwise expressly provided or unless the context otherwise requires:

- (1) the terms defined in this Article have the meanings assigned to them in this Article and include the plural as well as the singular;
- (2) all other terms used herein which are defined in the Trust Indenture Act, either directly or by reference therein, have the meanings assigned to them therein;
- (3) all accounting terms not otherwise defined herein have the meanings assigned to them in accordance with generally accepted accounting principles, and, except as otherwise herein expressly provided, the term “generally accepted accounting principles,” with respect to any computation required or permitted hereunder, shall mean United States generally accepted accounting principles in effect at the date of such computation;
- (4) the word “majority” shall mean 50.01% or more; and
- (5) the words “herein,” “hereof” and “hereunder” and other words of similar import refer to this Indenture as a whole and not to any particular Article, Section or other subdivision.

Certain terms, used principally in Article Six, are defined in that Article.

“**Act**” when used with respect to any Holder has the meaning specified in Section 104.

“**Affiliate**” of any specified Person means any other Person directly or indirectly controlling or controlled by or under direct or indirect common control with such specified Person. For the purposes of this definition, “control,” when used with respect to any specified Person, means the power to direct the management and policies of such Person, directly or indirectly, whether through the ownership of voting securities, by contract or otherwise; and the terms “controlling” and “controlled” have meanings correlative to the foregoing.

“**Board of Directors**” means either the board of directors (or any similar governing body) of the Company or any duly authorized committee of that board.

“**Board Resolution**” means a resolution duly adopted by the Board of Directors.

“**Business Day**,” except as otherwise specified as contemplated by Section 301, when used with respect to any Place of Payment or any other particular location referred to in this Indenture or in the Securities, means each Monday, Tuesday, Wednesday, Thursday and Friday which is not a day on which banking institutions in that Place of Payment or other location are authorized or obligated by law or executive order to close.

“**Business Entity**” means a corporation, association, business trust, partnership, limited liability company or other business entity.

“**Capital Stock**” means (a) in the case of a corporation, common stock, preferred stock and any other capital stock, (b) in the case of a partnership, partnership interests (whether general or limited), (c) in the case of a limited liability company, limited liability company interests, and (d) in the case of any other Business Entity, any other interest or participation that confers on a Person the right to receive a share of the profits and losses of, or distribution of assets of, such Business Entity, but excluding from all of the foregoing any debt securities convertible into Capital Stock, whether or not such debt securities include any right of participation with Capital Stock.

“**Commission**” means the Securities and Exchange Commission, as from time to time constituted, created under the Securities Exchange Act of 1934, as amended, or, if at any time after the execution of this instrument such Commission is not existing and performing the duties now assigned to it under the Trust Indenture Act, then the body performing such duties at such time.

“**Company**” means the Person named as the “Company” in the first paragraph of this instrument until a successor Business Entity shall have become such pursuant to the applicable provisions of this Indenture, and thereafter “Company” shall mean such successor Business Entity.

“**Company Request**” and “**Company Order**” mean, respectively, a written request or order delivered to the Trustee and signed in the name of the Company by the Chief Executive Officer, the President, the Chief Financial Officer, any Vice President, the Treasurer or the Secretary of the Company or, with respect to Sections 303, 304, 305 and 603, any other employee of the Company named in an Officer’s Certificate delivered to the Trustee.

“Consolidated Net Tangible Assets” means the total of the Net Tangible Assets of the Company and its Consolidated Subsidiaries, included in their financial statements prepared on a consolidated basis in accordance with generally accepted accounting principles, after eliminating all intercompany items.

“Consolidated Subsidiary” means any Subsidiary included in the financial statements of the Company and its Subsidiaries prepared on a consolidated basis in accordance with generally accepted accounting principles.

“Corporate Trust Office” means the office maintained by the Trustee at which, at any particular time, its corporate trust business principally is administered, which initially shall be 1505 Energy Park Drive, St. Paul, MN 55108.

“Current Liabilities” means all Indebtedness that may properly be classified as a current liability in accordance with generally accepted accounting principles.

“Defaulted Interest” has the meaning specified in Section 307.

“Depository” means, with respect to the Securities of any series issuable or issued in whole or in part in global form, the Person specified as contemplated by Section 301 as the Depository with respect to such series of Securities, until a successor shall have become such pursuant to the applicable provisions of this Indenture, and thereafter “Depository” shall mean or include such successor.

“Dollar” or **“\$”** means a dollar or other equivalent unit in such coin or currency of the United States of America as at the time shall be legal tender for the payment of public and private debts.

“Event of Default” has the meaning specified in Section 501.

“Holder,” when used with respect to any Security, means the Person in whose name the Security is registered in the Security Register.

“Indebtedness” means, with respect to any Person, at any time, and in each case only to the extent such obligations are presented as liabilities on the face of the balance sheet of such Person in accordance with generally accepted accounting principles, (a) all obligations of such Person for borrowed money and all obligations of such Person evidenced by bonds, debentures, notes or similar instruments, (b) obligations under finance leases (the amount of such obligations being the capitalized amount of such leases, determined in accordance with generally accepted accounting principles as in effect as of the date of such determination), and (c) guarantees by such Person of any Indebtedness of others of the type described in the foregoing clauses (a) and (b).

“Indenture” means this instrument, as originally executed or as it may from time to time be supplemented or amended by one or more indentures supplemental hereto entered into pursuant to the applicable provisions hereof, and shall include the terms (but not defined terms established in an Officer’s Certificate) of one or more particular series of Securities established as contemplated by Section 301.

“**interest**,” when used with respect to an Original Issue Discount Security which by its terms bears interest only after Maturity, means interest payable after Maturity.

“**Interest Payment Date**,” when used with respect to any Security, means the Stated Maturity of an installment of interest on such Security.

“**Lien**” means and includes any mortgage, pledge, lien, security interest, conditional sale or other title retention agreement or other similar encumbrance to secure Indebtedness for borrowed money, but excluding (i) any security interest which a lessor may be deemed to have under a lease and (ii) any lien which may be deemed to exist under a Production Payment or under any subordination arrangement.

“**Maturity**,” when used with respect to any Security, means the date on which the principal of such Security or an installment of principal or, in the case of an Original Issue Discount Security, the principal amount payable upon a declaration of acceleration pursuant to Section 502, becomes due and payable, as therein or herein provided, whether at the Stated Maturity or by declaration of acceleration, call for redemption or otherwise.

“**Net Tangible Assets**” of any specified Person means the total of all assets properly appearing on a balance sheet of such Person prepared in accordance with generally accepted accounting principles, after deducting from such total, without duplication of deductions, (a) all Current Liabilities of such Person; and (b) that portion of the book amount of all such assets which would be treated as intangibles under generally accepted accounting principles, including, without limitation, all such items as goodwill, trademarks, trade names, brands, copyrights, patents, licenses and rights with respect to the foregoing and unamortized debt discount and expense.

“**Officer’s Certificate**” means a certificate signed by the Chief Executive Officer, the President, the Chief Financial Officer, any Vice President, the Treasurer or the Secretary of the Company, and delivered to the Trustee, that meets the requirements of Section 102.

“**Opinion of Counsel**” means a written opinion of counsel, who may be an employee of or counsel for the Company, that meets the requirements of Section 102, which opinion is reasonably satisfactory in form and substance to the Trustee.

“**Original Issue Discount Security**” means any Security which provides for an amount less than the principal amount thereof to be due and payable upon a declaration of acceleration of the Maturity thereof pursuant to Section 502.

“**Outstanding**,” when used with respect to the Securities, means, as of the date of determination, all Securities theretofore authenticated and delivered under this Indenture, except:

(i) Securities theretofore cancelled by the Trustee or delivered to the Trustee for cancellation;

(ii) Securities for whose payment or redemption money in the necessary amount has been theretofore deposited with the Trustee or any Paying Agent (other than the Company) in trust or set aside and segregated in trust by the Company (if the Company shall act as its own Paying Agent) for the Holders of such Securities; *provided* that, if such Securities are to be redeemed, notice of such redemption has been duly given pursuant to this Indenture or provision therefor satisfactory to the Trustee has been made; and

(iii) Securities which have been paid pursuant to Section 306 or in exchange for or in lieu of which other Securities have been authenticated and delivered pursuant to this Indenture, other than any such Securities in respect of which there shall have been presented to the Trustee proof satisfactory to the Company and the Trustee that such Securities are held by a bona fide purchaser in whose hands such Securities are valid obligations of the Company; *provided, however*, that in determining whether the Holders of the requisite principal amount of the Outstanding Securities have given any request, demand, authorization, direction, notice, consent or waiver hereunder: (A) the principal amount of an Original Issue Discount Security that shall be deemed to be Outstanding shall be the amount of the principal thereof that would be due and payable, as of the date of such determination, upon acceleration of the Maturity thereof pursuant to Section 502; (B) the principal amount of a Security of any series denominated in a foreign currency or currencies shall be the Dollar equivalent, determined on the basis of the applicable currency exchange rate or rates as in effect on the date of earliest original issuance of any Security of such series (or, if all of the Securities of such series do not have the same terms, as in effect on the date of original issuance of such Security), of the principal amount of such Security (or, in the case of an Original Issue Discount Security, the Dollar equivalent, determined on the basis of the currency exchange rate or rates in effect on the earliest date of original issuance of any Security of such series (or, if all of the Securities of such series do not have the same terms, as in effect on the date of original issuance of such Security), of the amount determined as provided in (A) above); and (C) Securities owned by the Company or any other obligor upon the Securities or any Affiliate of the Company or of such other obligor shall be disregarded and deemed not to be Outstanding, except that, in determining whether the Trustee shall be protected in relying upon any such request, demand, authorization, direction, notice, consent or waiver, only Securities which a Responsible Officer of the Trustee actually knows to be so owned shall be so disregarded. Securities so owned which have been pledged in good faith may be regarded as Outstanding if the pledgee establishes to the satisfaction of the Trustee the pledgee's right so to act with respect to such Securities and that the pledgee is not the Company or any other obligor upon the Securities or any Affiliate of the Company or of such other obligor.

"Paying Agent" means any Person authorized by the Company to pay the principal of or interest on any Securities on behalf of the Company. Subject to the provisions of Sections 402 and 1003, the Company may act as Paying Agent with respect to Securities of any series issued hereunder.

"Periodic Offering" means an offering of Securities of a series from time to time, the specific terms of which Securities, including, without limitation, the rate or rates of interest, if any, thereon, the Stated Maturity or Maturities thereof, the original issue date or dates thereof, the redemption provisions, if any, and any other terms specified as contemplated by Section 301 with respect thereto, are to be determined by the Company, or one or more of the Company's agents designated in an Officer's Certificate, upon the issuance of such Securities.

“**Person**” means any individual, corporation, partnership, limited liability company, joint venture, association, joint-stock company, trust, unincorporated organization or government or any agency or political subdivision thereof.

“**Place of Payment**,” when used with respect to the Securities of any series, means the place or places where, subject to the provisions of Section 1002, the principal of and any interest on the Securities of that series are payable, as specified as contemplated by Section 301.

“**Predecessor Security**” of any particular Security means every previous Security evidencing all or a portion of the same debt as that evidenced by such particular Security; and, for the purposes of this definition, any Security authenticated and delivered under Section 306 in exchange for or in lieu of a mutilated, destroyed, lost or stolen Security shall be deemed to evidence the same debt as the mutilated, destroyed, lost or stolen Security.

“**principal**” of a debt security, except as otherwise specifically provided in this Indenture, means the outstanding principal of the security plus the premium, if any, on the security.

“**Principal Domestic Property**” means any developed oil or gas producing property which is owned or leased by the Company or any Consolidated Subsidiary and (a) which is located in the continental United States and (b) the gross book value of which on the date of determination exceeds 3% of Consolidated Net Tangible Assets; *provided, however*, that any such property declared by the Board of Directors by Board Resolution not to be of material importance to the business of the Company and its Consolidated Subsidiaries taken as a whole will not be a Principal Domestic Property.

“**Production Payment**” means any economic interest in oil, gas or mineral reserves which (i) entitles the holder thereof to a specified share of future production from such reserves, free of the costs and expenses of such production, and (ii) terminates when a specified quantity of such share of future production from such reserves has been delivered or a specified sum has been realized from the sale of such share of future production from such reserves.

“**Redemption Date**,” when used with respect to any Security to be redeemed, means the date fixed for such redemption by or pursuant to this Indenture.

“**Redemption Price**,” when used with respect to any Security to be redeemed, means the price at which it is to be redeemed pursuant to this Indenture, as calculated by the Company.

“**Regular Record Date**” for the interest payable on any Interest Payment Date on the Securities of any series means the date specified for that purpose as contemplated by Section 301.

“**Responsible Officer**” when used with respect to the Trustee, means any officer in the corporate trust department of the Trustee or any other officer of the Trustee customarily performing functions similar to those performed by any such officer and also means, with respect to a particular corporate trust matter, any other officer to whom such matter is referred because of his or her knowledge of and familiarity with the particular subject and who, in each case, has direct responsibility for the administration of this Indenture.

“**Secured Debt**” means any Indebtedness of the Company or any Consolidated Subsidiary for borrowed money, secured by a Lien on any Principal Domestic Property or on any shares of Capital Stock of, or on any Indebtedness of, any Consolidated Subsidiary that owns any Principal Domestic Property.

“**Securities**” has the meaning stated in the first recital of this Indenture and more particularly means any Securities established pursuant to Section 201 which are authenticated and delivered under this Indenture, and registered in the Security Register.

“**Security Register**” and “**Security Registrar**” have the respective meanings specified in Section 305.

“**Special Record Date**” for the payment of any Defaulted Interest on the Securities of any issue means a date fixed by the Company pursuant to Section 307.

“**Stated Maturity**,” when used with respect to any Security or any installment of principal thereof or interest thereon, means the date specified in such Security as the fixed date on which the principal of such Security or such installment of principal or interest is due and payable.

“**Subsidiary**” means a Business Entity more than 50% of the outstanding Voting Stock of which is owned, directly or indirectly, by the Company or by one or more other Subsidiaries, or by the Company and one or more other Subsidiaries.

“**Trustee**” means the Person named as the “Trustee” in the first paragraph of this instrument until a successor Trustee shall have become such pursuant to the applicable provisions of this Indenture, and thereafter “Trustee” shall mean such successor Trustee.

“**Trust Indenture Act**” means the Trust Indenture Act of 1939, as amended and in force at the date as of which this instrument is qualified thereunder, except as provided in Section 905.

“**United States**” means the United States of America, its territories, its possessions (including the Commonwealth of Puerto Rico) and other areas subject to its jurisdiction.

“**Vice President**,” when used with respect to the Company or the Trustee, means any vice president, whether or not designated by a number or a word or words added before or after the title “vice president.”

“**Voting Stock**” means, with respect to any Business Entity, any class or series of Capital Stock of such Business Entity the holders of which are ordinarily, in the absence of contingencies, entitled to vote for the election of, or to appoint or to approve the appointment of, the directors, trustees or managing members of, or other persons holding similar positions with, such Business Entity.

Section 102. Compliance Certificates and Opinions.

Upon any application or request by the Company to the Trustee to take any action under any provision of this Indenture, the Company shall, if there are any conditions precedent provided for in this Indenture relating to the proposed action, furnish to the Trustee an Officer’s Certificate stating that all such conditions precedent have been complied with and an Opinion of Counsel stating that in the opinion of such counsel all such conditions precedent have been complied with.

Every certificate or opinion with respect to compliance with a condition or covenant provided for in this Indenture (excluding the Trustee's certificate of disposition pursuant to Section 309) shall include:

- (1) a statement that each individual signing such certificate or opinion has read such covenant or condition and the definitions herein relating thereto;
- (2) a brief statement as to the nature and scope of the examination or investigation upon which the statements or opinions contained in such certificate or opinion are based;
- (3) a statement that, in the opinion of each such individual, he or she has made such examination or investigation as is necessary to enable him or her to express an informed opinion as to whether or not such covenant or condition has been complied with; and
- (4) a statement as to whether, in the opinion of each such individual, such condition or covenant has been complied with.

Section 103. Form of Documents Delivered to Trustee.

In any case where several matters are required to be certified by, or covered by an opinion of, any specified Person, it is not necessary that all such matters be certified by, or covered by the opinion of, only one such Person, or that they be so certified or covered by only one document, but one such Person may certify or give an opinion with respect to some matters and one or more other such Persons as to other matters, and any such Person may certify or give an opinion as to such matters in one or several documents.

Any certificate or opinion of an officer of the Company may be based, insofar as it relates to legal matters, upon a certificate or opinion of, or representations by, counsel, unless such officer knows, or in the exercise of reasonable care should know, that the certificate or opinion or representations with respect to the matters upon which his or her certificate or opinion is based are erroneous. Any such certificate or Opinion of Counsel may be based, insofar as it relates to factual matters, upon a certificate or opinion of, or representations by, an officer or officers of the Company stating that the information with respect to such factual matters is in the possession of the Company, unless such counsel knows, or in the exercise of reasonable care should know, that the certificate or opinion or representations with respect to such matters are erroneous.

Where any Person is required to make, give or execute two or more applications, requests, consents, certificates, statements, opinions or other instruments under this Indenture, they may, but need not, be consolidated and form one instrument.

Section 104. Acts of Holders.

(a) Any request, demand, authorization, direction, notice, consent, waiver or other action provided by this Indenture to be given or taken by Holders may be embodied in and evidenced by one or more instruments of substantially similar tenor signed by such Holders in person or by an agent duly appointed in writing. Except as herein otherwise expressly provided, such action shall become effective when such instrument or instruments or record or both are delivered to the Trustee and, where it is hereby expressly required, to the Company. Such instrument or instruments and any such record (and the action embodied therein and evidenced thereby) are herein sometimes referred to as the "Act" of the Holders signing such instrument or instruments and so voting at any such meeting. Proof of execution of any such instrument or of a writing appointing any such agent, or of the holding by any Person of a Security, shall be sufficient for any purpose of this Indenture and (subject to Section 601) conclusive in favor of the Trustee and the Company, if made in the manner provided in this Section. The record of any meeting of Holders of Securities shall be proved in the manner provided in Section 1306.

(b) The fact and date of the execution by any Person of any such instrument or writing, or the authority of the Person executing the same, may be proved in any reasonable manner which the Trustee deems sufficient.

(c) The principal amount and serial numbers of Securities held by any Person, and the date of holding the same, shall be proved by the Security Register.

(d) Any request, demand, authorization, direction, notice, consent, waiver or other Act of the Holder of any Security shall bind every future Holder of the same Security and the Holder of every Security issued upon the registration of transfer thereof or in exchange therefor or in lieu thereof in respect of anything done, omitted or suffered to be done by the Trustee or the Company in reliance thereon, whether or not notation of such action is made upon such Security.

(e) If the Company shall solicit from the Holders any request, demand, authorization, direction, notice, consent, waiver or other Act, the Company may, at its option, by or pursuant to an Officer's Certificate delivered to the Trustee, fix in advance a record date for the determination of Holders entitled to give such request, demand, authorization, direction, notice, consent, waiver or other Act, but the Company shall have no obligation to do so. Any such record date, if so fixed, may vary from that specified in Section 316(c) of the Trust Indenture Act. If such a record date is fixed, such request, demand, authorization, direction, notice, consent, waiver or other Act may be given before or after such record date, but only the Holders of record at the close of business on such record date shall be deemed to be Holders for the purposes of determining whether Holders of the requisite percentage of Outstanding Securities or Outstanding Securities of a series, as the case may be, have authorized or agreed or consented to such request, demand, authorization, direction, notice, consent, waiver or other Act, and for that purpose the Outstanding Securities or Outstanding Securities of the series, as the case may be, shall be computed as of such record date.

Section 105. Notices, Etc., to Trustee and Company.

Any request, demand, authorization, direction, notice, consent, waiver or Act of Holders or other document provided or permitted by this Indenture to be made upon, given or furnished to, or filed with,

(1) the Trustee by any Holder or by the Company shall be sufficient for every purpose hereunder if mailed by regular mail, sent by overnight courier, delivered, e-mailed or faxed to the Trustee at its Corporate Trust Office specified in the definition of such term appearing in Section 101, Attention: CCT Administrator for Antero Resources Corp., (877) 407-4679, or such other address, fax number or e-mail address as may be provided by the Trustee from time to time by notice to the Company and the Holders, or

(2) the Company by the Trustee or by any Holder shall be sufficient for every purpose hereunder (unless otherwise herein expressly provided) if mailed by regular mail, sent by overnight courier, delivered or e-mailed to it at the address of its principal office specified in the first paragraph of this instrument, e-mail: generalcounsel@anteroresources.com, spearce@anteroresources.com, and at any other address or e-mail address previously furnished by the Company by notice to the Trustee for itself and for the benefit of the Holders.

All notices and communications (other than those sent to Holders) shall be deemed to have been duly given: (i) at the time delivered by hand, if personally delivered; (ii) when return receipt is delivered, if delivered by electronic mail; (iii) five Business Days after being deposited in the mail, postage prepaid; and (iv) the next Business Day after timely delivery to the courier, if sent by overnight air courier guaranteeing next day delivery; provided that any notice or communication delivered to the Trustee shall be deemed effective upon actual receipt thereof.

The Trustee agrees to accept and act upon instructions or directions pursuant to this Indenture sent by e-mail, pdf, facsimile transmission or other similar electronic methods; *provided, however*, that the Trustee shall have received an Officer's Certificate (which need not comply with Section 102) listing the names and titles of the persons designated to give such instructions or directions and containing specimen signatures of such designated persons, which certificate shall be amended and replaced whenever a person is to be added or deleted from the listing. If the Company elects to give the Trustee e-mail or facsimile instructions (or instructions by a similar electronic method) and the Trustee acts upon such instructions, the Trustee's understanding of such instructions shall be deemed controlling. The Trustee shall not be liable for any losses, costs or expenses arising directly or indirectly from the Trustee's reliance upon and compliance with such instructions that the Trustee believes to be genuine and to have been sent by one of the persons named on the then most recent certificate referred to above notwithstanding that such instructions conflict or are inconsistent with a subsequent written instruction. The Company agrees to assume all risks arising out of the use of such electronic methods to submit the instructions and directions to the Trustee, including without limitation the risk of the Trustee acting on unauthorized instructions, and the risk of interception and misuse of electronic communications by third parties.

Section 106. Notice to Holders; Waiver.

Except as otherwise expressly provided herein, when this Indenture provides for notice to Holders of Securities, such notice shall be sufficiently given to Holders of Securities, if in writing and mailed, first-class postage prepaid, or sent by overnight courier, to each Holder of a Security entitled to receive such notice, at his, her or its address as it appears in the Security Register, not later than the latest date, and not earlier than the earliest date, prescribed for the giving of such notice.

If the Company delivers a notice or communication to Holders, it shall deliver a copy to the Trustee at the same time.

Where this Indenture provides for notice in any manner, such notice may be waived in writing by the Person entitled to receive such notice, either before or after the event, and such waiver shall be the equivalent of such notice. Waivers of notice by Holders shall be filed with the Trustee, but such filing shall not be a condition precedent to the validity of any action taken in reliance upon such waiver.

Notwithstanding any other provision of this Indenture or any Security of any series other than a provision that expressly states that this paragraph is not applicable to the Securities of such series, when this Indenture or any Security provides for notice of any event (including any notice of redemption) to a Holder of Securities in global form (whether by mail or otherwise), such notice shall be sufficiently given if given to the Depositary for such Security (or its designee) pursuant to the customary procedures of such Depositary.

In case, by reason of the suspension of regular mail service, or by reason of any other cause, it shall be impracticable to give such notice to Holders of Securities by mail or overnight courier, then such notification as shall be made with the approval of the Trustee shall constitute a sufficient notification for every purpose hereunder. In any case when notice to Holders of Securities is given by mail or overnight courier, neither the failure to mail such notice or send such notice by overnight courier, nor any defect in any notice so mailed or sent by overnight courier, to any particular Holder of a Security shall affect the sufficiency of such notice with respect to other Holders of Securities, and any notice that is given in the manner herein provided shall be deemed to have been duly given for purposes of this Indenture.

Section 107. Conflict with Trust Indenture Act.

If any provision hereof limits, qualifies or conflicts with the duties imposed by operation of Trust Indenture Act Section 318(c), the imposed duties shall control.

Section 108. Effect of Headings and Table of Contents.

The Article and Section headings herein and the Table of Contents are for convenience only and shall not affect the construction hereof.

Section 109. Successors and Assigns.

All covenants and agreements in this Indenture by the Company shall bind its successors and assigns, whether so expressed or not.

Section 110. Separability Clause.

In case any provision in this Indenture or in the Securities shall be invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired thereby.

Section 111. Benefits of Indenture.

Except as provided in the last paragraph of Section 401, nothing in this Indenture or in the Securities, express or implied, shall give to any Person, other than the parties hereto and their successors hereunder and the Holders of Securities, any benefits or any legal or equitable right, remedy or claim under this Indenture.

Section 112. Governing Law; Jurisdiction.

THIS INDENTURE AND THE SECURITIES SHALL BE DEEMED TO BE CONTRACTS MADE UNDER THE LAW OF THE STATE OF NEW YORK, AND FOR ALL PURPOSES SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAW OF THE STATE OF NEW YORK. THE COMPANY, THE TRUSTEE AND, TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, THE HOLDERS (BY THEIR ACCEPTANCE OF THE SECURITIES) HEREBY, (I) SUBMIT TO THE NON-EXCLUSIVE JURISDICTION OF THE FEDERAL AND NEW YORK STATE COURTS LOCATED IN THE BOROUGH OF MANHATTAN IN THE CITY OF NEW YORK IN CONNECTION WITH ANY SUIT, ACTION OR PROCEEDING RELATED TO THIS INDENTURE OR THE SECURITIES, (II) IRREVOCABLY WAIVES ANY DEFENSE OF LACK OF PERSONAL JURISDICTION IN SUCH SUITS AND (III) IRREVOCABLY WAIVES TO THE FULLEST EXTENT IT MAY EFFECTIVELY DO SO UNDER APPLICABLE LAW, ANY OBJECTION WHICH IT MAY NOW OR HEREAFTER HAVE TO THE LAYING OF VENUE OF ANY SUCH SUIT, ACTION OR PROCEEDING BROUGHT IN THE FEDERAL AND NEW YORK STATE COURTS LOCATED IN THE BOROUGH OF MANHATTAN IN THE CITY OF NEW YORK AND THAT SUCH SUIT, ACTION OR PROCEEDING HAS BEEN BROUGHT IN AN INCONVENIENT FORUM.

Section 113. Legal Holidays.

In any case in which any Interest Payment Date, Redemption Date or Stated Maturity of any Security or, in the case of any Security which is subject to redemption or repurchase by the Company at the option of the Holder, the date fixed for such redemption or repayment, shall not be a Business Day at any Place of Payment, then, except as may otherwise be provided with respect to the Securities of any series pursuant to Section 301, payment of interest or principal need not be made at such Place of Payment on such date, but may be made on the next succeeding Business Day at such Place of Payment, with the same force and effect as if made on the Interest Payment Date or Redemption Date or at the Stated Maturity or the date fixed for such redemption or repurchase, and no interest shall accrue for the period from and after such Interest Payment Date, Redemption Date or Stated Maturity or date for such redemption or repurchase, as the case may be.

Section 114. Language of Notices, Etc.

Any request, demand, authorization, direction, notice, consent or waiver required or permitted under this Indenture shall be in the English language, except that any published notice may be in an official language of the country of publication.

Section 115. Waiver of Jury Trial.

EACH OF THE COMPANY, THE TRUSTEE AND, TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, THE HOLDERS (BY THEIR ACCEPTANCE OF THE SECURITIES) HEREBY IRREVOCABLY WAIVES, TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, ANY AND ALL RIGHT TO TRIAL BY JURY IN ANY LEGAL PROCEEDING ARISING OUT OF OR RELATING TO THIS INDENTURE, THE SECURITIES OR THE TRANSACTION CONTEMPLATED HEREBY.

Section 116. Force Majeure.

In no event shall the Trustee be responsible or liable for any failure or delay in the performance of its obligations hereunder arising out of or caused by, directly or indirectly, forces beyond its control, including, without limitation, (i) any act or provision of any present or future law or regulation or governmental authority, (ii) any act of God, (iii) natural disaster, (iv) war, (v) terrorism, (vi) civil unrest, (vii) accidents, (viii) labor dispute, (ix) disease, (x) epidemic or pandemic, (xi) quarantine, (xii) national emergency, (xiii) loss or malfunction of utility or computer software or hardware, (xiv) communications system failure, (xv) malware or ransomware, (xvi) unavailability of the Federal Reserve Bank wire or telex system or other wire or other funds transfer systems, or (xvii) unavailability of any securities clearing system; it being understood that the Trustee shall use reasonable efforts which are consistent with accepted practices in the banking industry to resume performance as soon as practicable under the circumstances.

Section 117. Patriot Act.

The parties hereto acknowledge that in accordance with Section 326 of the U.S.A. Patriot Act, the Trustee, like all financial institutions and in order to help fight the funding of terrorism and money laundering, is required to obtain, verify, and record information that identifies each person or legal entity that establishes a relationship or opens an account with the Trustee. The parties to this Indenture agree that they will provide the Trustee with such information as it may request in order for the Trustee to satisfy the requirements of the U.S.A. Patriot Act.

ARTICLE TWO

Security Form

Section 201. Forms Generally.

The Securities of each series shall be in such form (including global form) as shall be established by delivery to the Trustee of an Officer's Certificate or in one or more indentures supplemental hereto, in each case with such appropriate insertions, omissions, substitutions and other variations as are required or permitted by this Indenture or by the terms of the Securities of such series established pursuant to Section 301, and may have such letters, numbers or other marks of identification and such legends or endorsements placed thereon as may be required to comply with the rules of any securities exchange or as may, consistently herewith, be determined by the officers executing such Securities, as evidenced by their execution of the Securities. If the forms of the Securities of any series are established by an Officer's Certificate, such Officer's Certificate shall be delivered to the Trustee at or prior to the delivery of the Company Order contemplated by Section 303 for the authentication and delivery of such Securities.

The definitive Securities shall be printed, lithographed or engraved or produced by any combination of these methods or may be produced in any other manner, *provided, that* such method is permitted by the rules of any securities exchange on which such Securities may be listed, all as determined by the officers executing such Securities, as evidenced by their execution of such Securities.

Section 202. Form of Trustee's Certificate of Authentication.

The Trustee's certificate of authentication shall be in substantially the following form:

This is one of the Securities of the series designated therein referred to in the within-mentioned Indenture.

Dated: _____

Computershare Trust Company, N.A., as Trustee

By: _____
Authorized Signatory

Section 203. Securities in Global Form.

If Securities of a series are issuable in temporary or definitive global form, as specified as contemplated by Section 301, then, notwithstanding Clause (10) of Section 301 and the provisions of Section 302, any such Security shall represent such of the Outstanding Securities of such series as shall be specified therein and may provide that it shall represent the aggregate amount of Outstanding Securities from time to time endorsed on a schedule attached thereto and that the aggregate amount of Outstanding Securities represented thereby may from time to time be reduced or increased to reflect exchanges, redemptions and cancellations by endorsements to such schedule. Any endorsement of a Security in global form to reflect the amount, or any increase or decrease in the amount, of Outstanding Securities represented thereby shall be made by the Trustee in such manner, and upon instructions given by such Person or Persons, as shall be specified therein or in the Company Order to be delivered to the Trustee pursuant to Section 303 or Section 304. Subject to the provisions of Section 303 and, if applicable, Section 304, the Trustee shall deliver and redeliver any Security in global form in the manner, and upon instructions given by the Person or Persons, specified therein or in the applicable Company Order. If a Company Order pursuant to Section 303 or Section 304 has been, or simultaneously is, delivered, any instructions by the Company with respect to endorsement, or delivery or redelivery, of a Security in global form shall be in writing.

The provisions of the last sentence of Section 303 shall apply to any Security represented by a Security in global form, if such Security was never issued and sold by the Company, and the Company delivers to the Trustee the Security in global form, together with written instructions with regard to the reduction in the principal amount of Securities represented thereby and the written statement contemplated by the last sentence of Section 303.

ARTICLE THREE

The Securities

Section 301. Title and Terms.

The aggregate principal amount of Securities which may be authenticated and delivered under this Indenture shall be unlimited.

The Securities may be issued in one or more series. There shall be established in one or more Board Resolutions or pursuant to authority granted by one or more Board Resolutions and, subject to Section 303 in the case of Periodic Offerings, set forth, or determined in the manner provided, in an Officer's Certificate, or established in one or more indentures supplemental hereto:

(1) the title of the Securities of the series (which shall distinguish the Securities of the series from all other series of Securities);

(2) any limit upon the aggregate principal amount of the Securities of the series which may be authenticated and delivered under this Indenture (except for Securities authenticated and delivered upon registration of transfer of, or in exchange for, or in lieu of, other Securities of the series pursuant to Section 304, 305, 306, 906 or 1107 and, if the Securities of such series are subject to redemption or repurchase by the Company at the option of the Holders thereof, except for Securities of such series authenticated and delivered upon any such repurchase or redemption of any such Security in part, and except for any Securities which, pursuant to Section 303, are deemed never to have been authenticated and delivered hereunder), it being understood and agreed that, unless otherwise expressly provided pursuant to this Section 301 with respect to the Securities of the series, the series may be re-opened from time to time for the issuance of additional Securities of the series subject to such terms and conditions of any such re-opening as may be established pursuant to this Section 301;

(3) whether any Securities of the series may be represented initially by a Security in temporary or definitive global form and, if so, the initial Depositary with respect to any such temporary or definitive global Security, and, if other than as provided in Section 304 or Section 305, as applicable, whether, and the circumstances under which, beneficial owners of interests in any such temporary or definitive global Security may exchange such interests for Securities of such series of like tenor of any authorized form and denomination;

(4) the Person to whom any interest on any Security of the series shall be payable, if other than the Person in whose name that Security (or one or more Predecessor Securities) is registered at the close of business on the Regular Record Date for such interest, and any additional or different terms with respect to the payment of interest on temporary or definitive global Securities;

(5) the date or dates on which the principal of the Securities of the series is payable or the method of determination thereof;

(6) the rate or rates (which may be fixed or variable) at which the Securities of the series shall bear interest, if any, or the method of calculating such rate or rates, the date or dates from which any such interest shall accrue, the Interest Payment Dates on which any such interest shall be payable and the Regular Record Date for any interest payable on any Securities on any Interest Payment Date;

(7) the place or places where, subject to the provisions of Section 1002, the principal of and any interest on Securities of the series shall be payable, any Securities of the series may be surrendered for registration of transfer, Securities of the series may be surrendered for exchange and notices and demands to or upon the Company in respect of the Securities of the series and this Indenture may be served;

(8) the period or periods within which, the price or prices at which and the terms and conditions upon which, Securities of the series may be redeemed, in whole or in part, at the option of the Company;

(9) the obligation, if any, of the Company to redeem or purchase Securities of the series pursuant to any sinking fund or analogous provisions or at the option of a Holder thereof, the conditions, if any, giving rise to such obligation, and the period or periods within which, the price or prices at which and the terms and conditions upon which, Securities of the series shall be redeemed or purchased, in whole or in part, pursuant to such obligation, and any provisions for the remarketing of such Securities;

(10) the denominations in which any Securities of the series shall be issuable, if other than denominations of minimum \$2,000 and any integral multiple of \$1,000 in excess thereof;

(11) the currency or currencies, including composite currencies or currency units, in which Securities of the series may be denominated or in which payment of the principal of and any interest on the Securities of the series shall be payable, if other than the currency of the United States of America, and if so, whether the Securities of the series may be satisfied and discharged other than as provided in Article Four;

(12) if the amounts of payments of principal of and any interest on the Securities of the series are to be determined with reference to an index, formula or other method, or based on a coin or currency other than that in which the Securities are stated to be payable, the manner in which such amounts shall be determined and the calculation agent, if any, with respect thereto;

(13) if other than the principal amount thereof, the portion of the principal amount of any Securities of the series which shall be payable upon declaration of acceleration of the Maturity thereof pursuant to Section 502;

(14) if other than as defined in Section 101, the meaning of "Business Day" when used with respect to any Securities of the series;

(15) if the Securities of the series may be issued or delivered (whether upon original issuance or upon exchange of a temporary Security of such series or otherwise), or any installment of principal or interest is payable, only upon receipt of certain certificates or other documents or satisfaction of other conditions in addition to those specified in this Indenture, the forms and terms of such certificates, documents or conditions;

(16) any addition to, or modification or deletion of, any Event of Default, covenant of the Company or other term or provision specified in this Indenture with respect to Securities of the series, including the modification of the satisfaction and discharge provisions set forth in Article IV of this Indenture and the addition of any provisions relating to covenant defeasance and/or legal defeasance;

(17) whether the Securities of such series are subject to subordination and the terms of such subordination; and

(18) any other terms of the series, whether or not consistent with the other provisions of this Indenture, which other terms may, subject, in the case of an existing outstanding series of Securities, to Article IX, amend, supplement or replace any of the terms of this Indenture insofar as it concerns the Securities of the series.

All Securities of any one series shall be substantially identical, except as to denomination and except as may otherwise be provided in or pursuant to an Officer's Certificate pursuant to this Section 301 or in any indenture supplemental hereto. All Securities of any one series need not be issued at the same time and, unless otherwise provided, a series may be reopened for issuances of additional Securities of such series.

If any of the terms of the series are established by action taken pursuant to a Board Resolution, a copy of any appropriate record of such action shall be certified by the Secretary or an Assistant Secretary of the Company and delivered to the Trustee at or prior to the delivery of the Officer's Certificate or supplemental indenture setting forth or establishing the terms of the series. With respect to Securities of a series subject to a Periodic Offering, such Board Resolution or the Officer's Certificate or supplemental indenture setting forth or establishing the terms of such series may provide general terms for Securities of such series and provide either that the specific terms of particular Securities of such series shall be specified in a Company Order or that such terms shall be determined by the Company, or one or more of the Company's agents designated in an Officer's Certificate, in accordance with the Company Order as contemplated by the proviso of the third paragraph of Section 303.

Section 302. Denominations.

Unless otherwise provided as contemplated by Section 301 with respect to any series of Securities, any Securities of a series shall be issuable in denominations of \$2,000 and any integral multiple of \$1,000 in excess thereof.

Section 303. Execution, Authentication, Delivery and Dating.

The Securities shall be executed on behalf of the Company by its Chief Executive Officer, the President, the Chief Financial Officer, any Vice President, the Treasurer or the Secretary. The signature of any of these officers on the Securities may be manual or facsimile. Securities may, but need not, bear the Company's corporate seal or a facsimile thereof.

Securities bearing the manual or facsimile signatures of individuals who were at any time the proper officers of the Company shall bind the Company, notwithstanding that such individuals, or any of them, have ceased to hold such offices prior to the authentication and delivery of such Securities, or did not hold such offices at the date of such Securities.

At any time and from time to time after the execution and delivery of this Indenture, the Company may deliver Securities of any series executed by the Company to the Trustee for authentication, together with a Company Order for the authentication and delivery of such Securities; and the Trustee, in accordance with such Company Order, shall authenticate and deliver such Securities; *provided, however*, that, with respect to Securities of a series subject to a Periodic Offering, (a) such Company Order may be delivered by the Company to the Trustee prior to the delivery to the Trustee of such Securities for authentication and delivery, (b) the Trustee shall authenticate and deliver Securities of such series for original issue from time to time, in an aggregate principal amount not exceeding the aggregate principal amount established for such series, pursuant to a Company Order or pursuant to such procedures acceptable to the Trustee as may be specified from time to time by a Company Order, (c) the rate or rates of interest, if any, the Stated Maturity or Maturities, the original issue date or dates, the redemption or repurchase provisions, if any, and any other terms of Securities of such series shall be determined by a Company Order or pursuant to such procedures and (d) if provided for in such procedures, such Company Order may authorize authentication and delivery pursuant to electronic instructions from the Company, or the Company's duly authorized agent or agents designated in an Officer's Certificate.

In authenticating Securities, the form or terms of which have been established in or pursuant to one or more Officer's Certificates as permitted by Sections 201 and 301, and accepting the additional responsibilities under this Indenture in relation to such Securities, the Trustee shall receive upon request, and (subject to Section 601) shall be fully protected in relying upon, an Opinion of Counsel stating that the form and terms of such Securities have been duly authorized by the Company and established in conformity with the provisions of this Indenture; *provided, however*, that, with respect to Securities of a series subject to a Periodic Offering, the Trustee shall receive such Opinion of Counsel only once, at or prior to the time of the first authentication of Securities of such series, and that the Opinion of Counsel above may state:

(y) that the forms of such Securities have been, and the terms of such Securities (when established in accordance with such procedures as may be specified from time to time in a Company Order, all as contemplated by and in accordance with a Board Resolution or an Officer's Certificate pursuant to Section 301, as the case may be) will have been, duly authorized by the Company and established in conformity with the provisions of this Indenture; and

(z) that such Securities when (1) executed by the Company, (2) completed, authenticated and delivered by the Trustee in accordance with this Indenture and (3) issued by the Company in the manner and subject to any conditions specified in such Opinion of Counsel, will constitute valid and legally binding obligations of the Company, enforceable in accordance with their terms, subject to customary exceptions.

With respect to Securities of a series subject to a Periodic Offering, the Trustee may conclusively rely, as to the authorization by the Company of any of such Securities, the form and terms thereof and the legality, validity, binding effect and enforceability thereof, upon the Opinion of Counsel and other documents delivered pursuant to Sections 201 and 301 and this Section, as applicable, at or prior to the time of the first authentication of Securities of such series, unless and until it has received written notification that such opinion or other documents have been superseded or revoked. In connection with the authentication and delivery of Securities of a series subject to a Periodic Offering, the Trustee shall be entitled to assume that the Company's instructions to authenticate and deliver such Securities do not violate any rules, regulations or orders of any governmental agency or commission having jurisdiction over the Company.

Notwithstanding the provisions of Section 301 and of the preceding three paragraphs, if all Securities of a series are subject to a Periodic Offering, it shall not be necessary to deliver the Officer's Certificate otherwise required pursuant to Section 301 at or prior to the time of authentication of each Security of such series if such Officer's Certificate is delivered at or prior to the authentication upon original issuance of the first Security of such series to be issued.

Each Security shall be dated the date of its authentication. The Trustee may appoint an authenticating agent acceptable to the Company to authenticate Securities. Unless otherwise provided in the appointment, an authenticating agent may authenticate Securities whenever the Trustee may do so. Each reference in this Indenture to authentication by the Trustee includes authentication by such agent.

No Security shall be entitled to any benefit under this Indenture or be valid or obligatory for any purpose, unless there appears on such Security a certificate of authentication substantially in the form provided for herein, executed by the Trustee by the manual signature of one of its authorized signatories, and such certificate upon any Security shall be conclusive evidence, and the only evidence, that such Security has been duly authenticated and delivered hereunder. Notwithstanding the foregoing, if any Security shall have been duly authenticated and delivered hereunder but never issued and sold by the Company, and the Company shall deliver such Security to the Trustee for cancellation as provided in Section 309, together with a written statement stating that such Security has never been issued and sold by the Company, for all purposes of this Indenture such Security shall be deemed never to have been authenticated and delivered hereunder and shall never be entitled to the benefits of this Indenture.

Section 304. Temporary Securities.

Pending the preparation of definitive Securities of any series, the Company may execute, and upon a Company Order the Trustee shall authenticate and deliver, temporary Securities that are printed, lithographed, typewritten, photocopied or otherwise produced, in any authorized denomination, substantially of the tenor of the definitive Securities in lieu of which they are issued, in registered form, and with such appropriate insertions, omissions, substitutions and other variations as the officers executing such Securities may determine, as evidenced by their execution of such Securities. Such temporary Securities may be in global form.

Except in the case of Securities represented by a temporary global Security, if temporary Securities for some or all of the Securities of any series are issued, the Company will cause definitive Securities representing such Securities to be prepared without unreasonable delay. After the preparation of such definitive Securities, the temporary Securities shall be exchangeable for such definitive Securities of like tenor upon surrender of such temporary Securities at any office or agency of the Company designated pursuant to Section 1002 in a Place of Payment for such series for the purpose of exchanges of Securities of such series, without charge to the Holder. Upon surrender for cancellation of any one or more temporary Securities of any series, the Company shall execute, and the Trustee shall authenticate and deliver in exchange therefor, a like principal amount of definitive Securities of the same series and of like tenor of authorized denominations. Until so exchanged, the temporary Securities shall in all respects be entitled to the same benefits under this Indenture as definitive Securities.

Until exchanged in full as hereinabove provided, the temporary Securities of any series shall in all respects be entitled to the same benefits under this Indenture as definitive Securities of the same series and of like tenor authenticated and delivered hereunder.

Section 305. Registration, Registration of Transfer and Exchange.

(1) The Company shall cause to be kept, at one of its offices or agencies maintained pursuant to Section 1002, a register for the Securities accessible to the Trustee (the register maintained in such office or agency designated pursuant to Section 1002 being herein sometimes collectively referred to as the “**Security Register**”), in which, subject to such reasonable regulations as it may prescribe, the Company shall provide for the registration of Securities and of transfers of Securities. The Trustee is hereby appointed “Security Registrar” for the purpose of registering Securities and transfers of Securities as herein provided.

(2) Upon surrender for registration of transfer of any Security at an office or agency of the Company designated pursuant to Section 1002 for such purpose in a Place of Payment, the Company shall execute, and the Trustee or a duly appointed co-authenticating agent shall authenticate and deliver, in the name of the designated transferee or transferees, one or more new Securities of the same series and of any authorized denominations, of a like aggregate principal amount and tenor.

(3) Notwithstanding any other provisions (other than the provisions set forth in paragraphs (7) and (8)) of this Section, a Security in global form representing all or a portion of the Securities of a series may not be transferred, except as a whole by the Depositary for such series to a nominee of such Depositary, or by a nominee of such Depositary to such Depositary or another nominee of such Depositary, or by such Depositary or any such nominee to a successor Depositary for such series or a nominee of such successor Depositary.

(4) At the option of the Holder, Securities of any series may be exchanged for other Securities of the same series of any authorized denominations and of a like aggregate principal amount, terms and tenor, upon surrender of the Securities to be exchanged at any such office or agency. Whenever any Securities are so surrendered for exchange, the Company shall execute, and the Trustee shall authenticate and deliver, the Securities which the Holder making the exchange is entitled to receive.

(5) Whenever any Securities are so surrendered for exchange, the Company shall execute, and the Trustee or a duly appointed authenticating agent shall authenticate and deliver, the Securities which the Holder making the exchange is entitled to receive.

(6) If at any time the Depositary for the Securities of a series notifies the Company that it is unwilling or unable to continue as Depositary for the Securities of such series, or if such Depositary shall cease to be eligible to act as such in respect of the Securities of such series, the Company shall appoint a successor Depositary with respect to the Securities of such series. If a successor Depositary for the Securities of such series is not appointed by the Company within 90 days after the Company receives such notice, the Company will execute, and the Trustee, upon receipt of a Company Order for the authentication and delivery of definitive Securities of such series, will authenticate and deliver, Securities of such series in definitive form in authorized denominations, in an aggregate principal amount equal to the principal amount of, and having the same tenor and terms as, the Security or Securities in global form representing such series, in exchange for such Security or Securities in global form in accordance with the instructions, if any, of the Depositary.

(7) The Company may at any time and in its sole discretion determine that some or all of the Securities of any series issued in the form of one or more global Securities shall, in whole or in part, no longer be represented by such global Security or Securities. In such event, or if an Event of Default with respect to the Securities of such series shall have occurred and shall be continuing, the Company will execute, and the Trustee, upon receipt of a Company Order for the authentication and delivery of definitive Securities of such series, will authenticate and deliver such Securities of such series in definitive form in authorized denominations, and in an aggregate principal amount equal to the principal amount of, and having the same tenor and terms as, the Security or Securities in global form representing such series, in exchange for such Security or Securities in global form (or portion thereof) in accordance with the instructions, if any, of the Depositary.

(8) Notwithstanding the foregoing, except as otherwise specified in the preceding two paragraphs or as contemplated by Section 301, any definitive global Security shall be exchangeable only as provided in this paragraph. If the beneficial owners of interests in a definitive global Security are entitled to exchange such interests for definitive Securities of such series and of like principal amount and tenor but of another authorized form and denomination, as specified as contemplated by Section 301, then, without unnecessary delay, but in any event not later than the earliest date on which such interests may be so exchanged, the Company shall deliver to the Trustee definitive Securities, in aggregate principal amount equal to the principal amount of such definitive global Security, executed by the Company. On or after the earliest date on which such interests may be so exchanged, such definitive global Security shall be surrendered by the Depositary with respect thereto to the Trustee, as the Company's agent for such purpose, to be exchanged, in whole or from time to time in part, for definitive Securities without charge, and the Trustee shall authenticate and deliver, in exchange for each portion of such definitive global Security, an equal aggregate principal amount of definitive Securities of the same series of authorized denominations and of like tenor as the portion of such definitive global Security to be exchanged; *provided, however*, that notwithstanding the last paragraph of this Section 305, no such exchanges may occur during a period beginning at the opening of business 15 days before any selection of Securities of that series to be redeemed and ending on the relevant Redemption Date. If a Security is issued in exchange for any portion of a definitive global Security after the close of business at the office or agency where such exchange occurs on (i) any Regular Record Date and before the opening of business at such office or agency on the relevant Interest Payment Date, or (ii) any Special Record Date and the opening of business at such office or agency on the related proposed date for payment of Defaulted Interest, interest or Defaulted Interest, as the case may be, will not be payable on such Interest Payment Date or proposed date for payment, as the case may be, in respect of such Security, but will be payable on such Interest Payment Date or proposed date for payment, as the case may be, only to the Person to whom interest in respect of such portion of such definitive global Security is payable in accordance with the provisions of this Indenture.

(9) Upon the exchange of a Security in global form for Securities in definitive form, such Security in global form shall be cancelled by the Trustee. All cancelled Securities held by the Trustee shall be disposed of by the Trustee in accordance with its customary practice and a certificate of such disposition delivered to the Company upon the Company's written request, unless the Company directs that such cancelled Securities be returned to it. Securities issued in exchange for a Security in global form pursuant to this Section 305 shall be registered in such names and in such authorized denominations as the Depository for such Security in global form, pursuant to instructions from its direct or indirect participants or otherwise, shall instruct the Trustee. The Trustee shall deliver such Securities to the persons in whose names such Securities are so registered.

(10) All Securities issued upon any registration of transfer or exchange of Securities shall be the valid obligations of the Company, evidencing the same debt, and entitled to the same benefits under this Indenture, as the Securities surrendered upon such registration of transfer or exchange.

(11) Every Security presented or surrendered for registration of transfer or for exchange shall (if so required by the Company or the Trustee) be duly endorsed, or be accompanied by a written instrument of transfer, in form satisfactory to the Company and the Security Registrar, duly executed, by the Holder thereof or his, her or its attorney duly authorized in writing.

(12) No service charge shall be made for any registration of transfer or exchange of Securities, but the Company may require payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in connection with any registration of transfer or exchange of Securities, other than exchanges pursuant to Section 304, 906 or 1107 not involving any transfer, other than exchanges upon the Company's repurchase or redemption of any Securities in part at the option of the Holders thereof not involving any transfer, and other than exchanges of global Securities (or portions thereof) for Securities in definitive form in accordance with Section 305.

The Company shall not be required (i) to issue, register the transfer of or exchange Securities of any series during a period beginning at the opening of business 15 days before any selection of Securities of that series to be redeemed and ending (except as otherwise provided in the proviso of the third sentence of paragraph (9) of this Section 305) at the close of business on the day of the mailing or other delivery of the relevant notice of redemption or (ii) to register the transfer of or exchange any Security so selected for redemption, in whole or in part, except the unredeemed portion of any Security being redeemed in part.

Section 306. Mutilated, Destroyed, Lost and Stolen Securities.

If any mutilated Security is surrendered to the Trustee, the Company shall execute, and the Trustee shall authenticate and deliver in exchange therefor, a new Security of the same series of like tenor and principal amount and bearing a number not contemporaneously outstanding.

If there shall be delivered to the Company and the Trustee (i) evidence to their satisfaction of the destruction, loss or theft of any Security and (ii) such security or indemnity as may be required by them to save each of them and any agent of either of them harmless, then, in the absence of notice to the Company or the Trustee that such Security has been acquired by a bona fide purchaser, the Company shall execute, and upon its request the Trustee shall authenticate and deliver, in lieu of any such destroyed, lost or stolen Security a new Security of the same series and of like tenor and principal amount and bearing a number not contemporaneously outstanding.

In case any such mutilated, destroyed, lost or stolen Security has become or is about to become due and payable, the Company in its discretion may, instead of issuing a new Security, pay such Security.

Upon the issuance of any new Security under this Section, the Company may require the payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in relation thereto and any other expenses (including the fees and expenses of the Trustee) connected therewith.

Every new Security of any series issued pursuant to this Section in lieu of any destroyed, lost or stolen Security shall constitute an original additional contractual obligation of the Company, whether or not the destroyed, lost or stolen Security shall be at any time enforceable by anyone, and any such new Security shall be entitled to all the benefits of this Indenture equally and proportionately with any and all other Securities of that issue duly issued hereunder.

The provisions of this Section are exclusive and shall preclude (to the extent lawful) all other rights and remedies with respect to the replacement or payment of mutilated, destroyed, lost or stolen Securities.

Section 307. Payment of Interest; Interest Rights Preserved.

Unless otherwise provided as contemplated by Section 301 with respect to any series of Securities, interest on any Security which is payable, and is punctually paid or duly provided for, on any Interest Payment Date shall be paid to the Person in whose name that Security (or one or more Predecessor Securities) is registered at the close of business on the Regular Record Date for such interest.

Any interest on any Security of any series which is payable, but is not punctually paid or duly provided for, on any Interest Payment Date (herein called “**Defaulted Interest**”) shall, unless it is paid within the applicable grace period for such payment, forthwith cease to be payable to the Holder on the relevant Regular Record Date by virtue of having been such Holder, and such Defaulted Interest may be paid by the Company, at its election in each case, as provided in Clause (1) or (2) below:

(1) The Company may elect to make payment of any Defaulted Interest to the Persons in whose names the Securities of such series (or their respective Predecessor Securities) are registered at the close of business on a Special Record Date for the payment of such Defaulted Interest, which shall be fixed in the following manner. The Company shall notify the Trustee in writing of the amount of Defaulted Interest proposed to be paid on each Security and the date of the proposed payment, and at the same time the Company shall deposit with the Trustee an amount of money equal to the aggregate amount proposed to be paid in respect of such Defaulted Interest or shall make arrangements satisfactory to the Trustee for such deposit prior to the date of the proposed payment, such money when deposited to be held in trust for the benefit of the Persons entitled to such Defaulted Interest as in this Clause provided. Thereupon the Company shall fix a Special Record Date for the payment of such Defaulted Interest, which shall be not more than 15 days and not less than 10 days prior to the date of the proposed payment and not less than 10 days after the receipt by the Trustee of the notice of the proposed payment. The Company shall promptly notify the Trustee of such Special Record Date and the Trustee, in the name and at the expense of the Company, shall cause notice of the proposed payment of such Defaulted Interest and the Special Record Date therefor to be mailed, first-class postage prepaid, to each Holder of Securities, at his, her or its address as it appears in the Security Register, not less than 10 days prior to such Special Record Date. Notice of the proposed payment of such Defaulted Interest and the Special Record Date therefor having been so mailed, such Defaulted Interest shall be paid to the Persons in whose names the Securities (or their respective Predecessor Securities) are registered at the close of business on such Special Record Date and shall no longer be payable pursuant to the following Clause (2). The Trustee will not at any time be under any duty or responsibility to any Holder of Securities to determine Defaulted Interest, or with respect to the nature, extent, or calculation of the amount of Defaulted Interest owed, or with respect to the method employed in such calculation of Defaulted Interest.

(2) The Company may make payment of any Defaulted Interest on the Securities in any other lawful manner not inconsistent with the requirements of any securities exchange on which such Securities may be listed, and upon such notice as may be required by such exchange, if, after notice given by the Company to the Trustee of the proposed payment pursuant to this Clause, such manner of payment shall be deemed practicable by the Trustee.

Subject to the foregoing provisions of this Section and Section 305, each Security delivered under this Indenture upon registration of transfer of, or in exchange for or in lieu of, any other Security shall carry the rights to interest accrued and unpaid, and interest to accrue, which were carried by such other Security.

Section 308. Persons Deemed Owners.

Prior to due presentment of a Security for registration of transfer, the Company, the Trustee and any agent of the Company or the Trustee may treat the Person in whose name such Security is registered as the owner of such Security for the purpose of receiving payment of principal of and (except as otherwise specified as contemplated by Section 301 and subject to Section 305 and Section 307) interest on such Security and for all other purposes whatsoever, whether or not such Security be overdue, and neither the Company, the Trustee nor any agent of the Company or the Trustee shall be affected by notice to the contrary.

None of the Company, the Trustee, any Paying Agent or the Security Registrar will have any responsibility or liability for any aspect of the records relating to, or payments made on account of, beneficial ownership interests of a Security in global form or for maintaining, supervising or reviewing any records relating to such beneficial ownership interests.

Section 309. Cancellation.

All Securities surrendered for payment, redemption, registration of transfer or exchange or for credit against any sinking fund payment shall, if surrendered to any Person other than the Trustee, be delivered to the Trustee. All Securities so delivered shall be promptly cancelled by the Trustee. The Company may at any time deliver to the Trustee for cancellation any Securities previously authenticated and delivered hereunder which the Company may have acquired in any manner whatsoever (including Securities received by the Company in exchange or payment for other securities of the Company), and may deliver to the Trustee (or to any other Person for delivery to the Trustee) for cancellation any Securities previously authenticated hereunder which the Company has not issued and sold, and all Securities so delivered shall be promptly cancelled by the Trustee. No Securities shall be authenticated in lieu of or in exchange for any Securities cancelled as provided in this Section, except as expressly permitted in the form of Securities for any particular series or as permitted pursuant to the terms of this Indenture. All cancelled Securities held by the Trustee may be disposed of in accordance with its customary procedures (subject to the record retention requirement of the Exchange Act) and, upon receipt of a Company Order, the Trustee shall deliver a certification of their disposition to the Company.

Section 310. Computation of Interest.

Except as otherwise specified as contemplated by Section 301 for Securities of any series, (i) interest on any Securities which bear interest at a fixed rate shall be computed on the basis of a 360-day year of twelve 30-day months and (ii) interest on any Securities which bear interest at a variable rate shall be computed on the basis of the actual number of days in an interest period divided by 360.

Section 311. CUSIP Numbers.

The Company in issuing Securities of any series may use CUSIP, ISIN or other similar numbers if then generally in use, and thereafter with respect to such series, the Trustee may use such numbers in any notice of redemption, repurchase or exchange, as a convenience to Holders, with respect to such series; *provided* that any such notice may state that no representation is made as to the correctness of such numbers either as printed on the Securities of such series or as contained in any notice of a redemption, repurchase or exchange and that reliance may be placed only on the other identification numbers printed on the Securities of such series, and any such redemption, repurchase or exchange shall not be affected by any defect in or omission of such numbers. The Company shall promptly notify the Trustee of any change in CUSIP, ISIN or other similar numbers.

ARTICLE FOUR

Satisfaction and Discharge

Section 401. Satisfaction and Discharge of Indenture.

Except as otherwise specified as contemplated by Section 301, this Indenture, upon a Company Request, shall cease to be of further effect as to all Outstanding Securities or all Outstanding Securities of any series, as the case may be (except as to (i) remaining rights of registration of transfer, substitution and exchange of Securities or Securities of such series, as the case may be, (ii) rights hereunder of Holders to receive payment, from amounts deposited with the Trustee as described herein, of principal of and interest on all Outstanding Securities or all Outstanding Securities of such series, as the case may be, at the Stated Maturity thereof or, if any such Securities have been or, pursuant to Clause (1)(B)(ii) of this Section 401, are to be called for redemption, at the applicable Redemption Date thereof and any other rights of the Holders of all Outstanding Securities or all Outstanding Securities of such series, as the case may be, as beneficiaries hereof with respect to the amounts deposited with the Trustee under this Section 401 and (iii) the rights and the obligations of the Company or the Trustee under Sections 304, 305, 306, 1002 and 1003 and the immunities of the Trustee hereunder and the obligations of the Company to the Trustee under Section 607, all of which shall survive), and the Company shall be deemed to have paid and discharged its entire indebtedness on all the Outstanding Securities or all Outstanding Securities of such series, as the case may be, and the Trustee, at the expense of the Company, shall execute proper instruments acknowledging satisfaction and discharge of the Company's obligations under this Indenture, when:

(2) either:

(A) all Outstanding Securities or all Outstanding Securities of such series, as the case may be, theretofore authenticated and delivered (other than, (i) Securities or Securities of such series, as the case may be, which have been destroyed, lost or stolen and which have been replaced or paid as provided in Section 306, (ii) Securities of such series called for redemption and maturing after the relevant Redemption Date, whose surrender has been waived as provided in Section 1106, and (iii) Securities or Securities of such series, as the case may be, for whose payment money has theretofore been deposited in trust or segregated and held in trust by the Company and thereafter repaid to the Company or discharged from such trust, as provided in Section 1003) have been delivered to the Trustee for cancellation; or

(B) all Outstanding Securities or all Outstanding Securities of such series, as the case may be, theretofore authenticated and delivered have become due and payable or will become due and payable within one year, by reason of the giving of notice of redemption or otherwise, and the Company has irrevocably deposited or caused to be deposited with the Trustee, as trust funds in trust solely for the benefit of the Holders of all Outstanding Securities, or the Holders of all Outstanding Securities of such series, as the case may be, money or direct non-callable obligations of, or non-callable obligations timely payments of which are guaranteed by, the United States of America, for the payment of which guarantee or obligation the full faith and credit of the United States is pledged (“**U.S. Government Obligations**”), maturing as to principal and interest in such amounts and at such times as are sufficient, without consideration of any investment of such principal or interest, and, solely in the case of U.S. Government Obligations, in the opinion of a nationally recognized firm of independent public accountants or a nationally recognized investment banking firm, in either case expressed in a written certification thereof delivered to the Trustee, to pay and discharge at Stated Maturity or, in the case of any such Securities which have been or, pursuant to Clause (ii) below, are to be called for redemption, on the relevant Redemption Date, as the case may be, all principal of and interest on all Outstanding Securities or all Outstanding Securities of such series, as the case may be. Such irrevocable trust agreement shall instruct the Trustee (i) to apply such money or the proceeds of said U.S. Government Obligations to the payment of said principal of and interest on the Securities or Securities of such series, as the case may be; and (ii) if the Securities or Securities of such series, as the case may be, are to be repaid at a Redemption Date and the Company has not given notice of redemption pursuant to Section 1104 (including when such Securities are not yet redeemable at the date of deposit) to give notice of redemption on such Redemption Date pursuant to Section 1104;

(3) the Company has paid or caused to be paid all other sums payable hereunder by the Company with respect to the Securities or Securities of such series, as the case may be; and

(4) the Company has delivered to the Trustee an Officer's Certificate and an Opinion of Counsel, each stating that all conditions precedent herein provided for relating to the satisfaction and discharge of this Indenture with respect to the Securities or the Securities of such series, as the case may be, and the payment or discharge of the entire indebtedness on all Securities or Securities of such series, as the case may be, have been complied with.

Notwithstanding any such satisfaction and discharge, the Company shall not be discharged from any payment obligations in respect of the Securities or the Securities of such series, as the case may be, which are deemed not to be Outstanding under Clause (iii) of the definition of "Outstanding" if such obligations continue to be valid obligations of the Company under applicable law.

Section 402. Application of Trust Money.

All money and U.S. Government Obligations (or any other obligations specified as contemplated by Section 301 with respect to any series of Securities, the principal of or any interest on which is payable other than in the currency of the United States of America) deposited with the Trustee pursuant to the trust agreement referred to in Section 401 shall be held in trust and applied by it, in accordance with the provisions of the Securities of the series with respect to which such deposit is made, this Indenture and such trust agreement, to the payment, either directly or through any Paying Agent (other than the Company or any of its Affiliates or Subsidiaries) as the Trustee may determine, of the principal and interest amounts due at the Stated Maturity or the Redemption Date, as the case may be, with respect to the Securities of such series to the Persons entitled thereto.

Subject to applicable abandoned property law, all money and U.S. Government Obligations (or any other obligations specified as contemplated by Section 301 with respect to any series of Securities, the principal of or any interest on which is payable other than in the currency of the United States of America) so deposited with the Trustee or any Paying Agent which remain unclaimed for two years after payment to such Persons has become due and payable shall be turned over to the Company in accordance with the provisions of Section 1003.

The Company shall pay and indemnify the Trustee against any tax, fee or other charge imposed on or assessed against the U.S. Government Obligations deposited pursuant to Section 401 or the principal and interest received in respect thereof other than any such tax, fee or other charge which by law is for the account of the Holders of Outstanding Securities.

ARTICLE FIVE

Remedies

Section 501. Events of Default.

“**Event of Default**,” wherever used herein, means, with respect to each series of the Securities individually, any one of the following events (whatever the reason for such Event of Default and whether it shall be voluntary or involuntary or be effected by operation of law or pursuant to any judgment, decree or order of any court or any order, rule or regulation of any administrative or governmental body):

- (1) default in the payment of any installment of interest upon any Security of such series when it becomes due and payable, and continuance of such default for a period of 30 days; or
- (2) default in the payment of the principal of any Security of such series at its Maturity; or
- (3) default in the performance, or breach, of any covenant or warranty of the Company in this Indenture (other than a covenant or warranty a default in whose performance or whose breach is elsewhere in this Section specifically dealt with or which has been expressly included in this Indenture solely for the benefit of a series of Securities other than such series), and continuance of such default or breach for a period of 90 days after there has been given, by registered or certified mail, to the Company by the Trustee or to the Company and the Trustee by the Holders of at least 25% in principal amount of the Outstanding Securities of such series a written notice specifying such default or breach and requiring it to be remedied and stating that such notice is a “Notice of Default” hereunder; or
- (4) the entry of a decree or order by a court having jurisdiction in the premises adjudging the Company bankrupt or insolvent, or approving as properly filed a petition seeking reorganization, arrangement, adjustment or composition of or in respect of the Company under Federal bankruptcy law or any other applicable Federal or State law, or appointing a receiver, liquidator, assignee, trustee, sequestrator or other similar official of the Company or of any substantial part of its property, or ordering the winding up or liquidation of its affairs, and the continuance of any such decree or order unstayed and in effect for a period of 60 consecutive days; or
- (5) the institution by the Company of proceedings to be adjudicated bankrupt or insolvent, or the consent by it to the institution of bankruptcy or insolvency proceedings against it, or the filing by it of a petition or answer or consent seeking reorganization or relief under Federal bankruptcy law or any other applicable Federal or state law, or the consent by it to the filing of such petition or to the appointment of a receiver, liquidator, assignee, trustee, sequestrator or similar official of the Company or of any substantial part of its property, or the making by it of an assignment for the benefit of creditors, or the admission by it in writing of its inability to pay its debts generally as they become due; or

- (6) any other event designated as an “Event of Default” with respect to Securities of that series.

Section 502. Acceleration of Maturity; Rescission and Annulment.

If an Event of Default with respect to Securities of any series at the time Outstanding occurs and is continuing, then and in every such case the Trustee or the Holders of not less than 25% in principal amount of the Outstanding Securities of that series may declare the principal amount (or, if any of the Securities of that series are Original Issue Discount Securities, such portion of the principal amount of such Securities as may be specified in the terms thereof) of and accrued interest, if any, on all of the Securities of that series to be due and payable immediately, by a notice in writing to the Company (and to the Trustee if given by Holders), and upon any such declaration such principal (or portion thereof) and accrued interest, if any, shall become immediately due and payable.

At any time after such a declaration of acceleration with respect to Securities of any series has been made and before a judgment or decree for payment of the money due has been obtained by the Trustee as hereinafter in this Article provided, the Holders of a majority in principal amount of the Outstanding Securities of that series, by written notice to the Company and the Trustee, may rescind and annul such declaration and its consequences if:

- (1) the Company has paid or deposited with the Trustee a sum sufficient to pay

(A) all overdue installments of interest on all Securities of such series;

(B) the principal of any Securities of such series which have become due otherwise than by such declaration of acceleration and interest thereon at the rate or rates prescribed therefor in such Securities;

(C) to the extent that payment of such interest is lawful, interest upon overdue installments of interest at the rate or rates prescribed therefor in such Securities or, if no such rate or rates is prescribed therefor in such Securities, at the rate of interest borne by such Securities; and

(D) all sums paid or advanced by the Trustee hereunder and the reasonable compensation, expenses, disbursements and advances of the Trustee, its agents and counsel and any other amount due the Trustee under Section 607;

and

(2) all Events of Default with respect to Securities of such series, other than the non-payment of the principal of and interest on Securities of such series which have become due solely by such declaration of acceleration, have been cured or waived as provided in Section 513.

No such rescission shall affect any subsequent default or impair any right consequent thereon.

Section 503. Collection of Indebtedness and Suits for Enforcement by Trustee.

The Company covenants that if:

(1) default is made in the payment of any installment of interest on any Security when such interest becomes due and payable and such default continues for a period of 30 days, or

(2) default is made in the payment of the principal of any Security at the Maturity thereof,

the Company will, upon demand of the Trustee, pay to it, for the benefit of the Holders of such Securities, the whole amount then due and payable on such Securities for principal and interest, with interest upon the overdue principal and, to the extent that payment of such interest shall be legally enforceable, upon overdue installments of interest from the date such interest was due, at the rate or rates prescribed therefor in such Securities or, if no such rate or rates is prescribed therefor in such Securities, at the rate of interest borne by such Securities; and, in addition thereto, such further amount as shall be sufficient to cover the costs and expenses of collection, including the reasonable compensation, expenses, disbursements and advances of the Trustee, its agents and counsel and any other amount due the Trustee under Section 607.

If the Company fails to pay such amounts forthwith upon such demand, the Trustee, in its own name and as trustee of an express trust, may institute a judicial proceeding for the collection of the sums so due and unpaid, may prosecute such proceeding to judgment or final decree and may enforce the same against the Company or any other obligor upon such Securities and collect the moneys adjudged or decreed to be payable in the manner provided by law out of the property of the Company or any other obligor upon such Securities, wherever situated.

If an Event of Default with respect to Securities of any series occurs and is continuing, the Trustee may, in its discretion, proceed to protect and enforce its rights and the rights of the Holders of Securities of such series by such appropriate judicial proceedings as the Trustee shall deem most effectual to protect and enforce any such rights, whether for the specific enforcement of any covenant or agreement in this Indenture or in aid of the exercise of any power granted herein, or to enforce any other proper remedy.

Section 504. Trustee May File Proofs of Claim.

In case of the pendency of any receivership, insolvency, liquidation, bankruptcy, reorganization, arrangement, adjustment, composition or other judicial proceeding relative to the Company or any other obligor upon the Securities or the property of the Company or of such other obligor or their creditors, the Trustee (irrespective of whether the principal of the Securities shall then be due and payable as therein expressed or by declaration or otherwise and irrespective of whether the Trustee shall have made any demand on the Company for the payment of overdue principal or interest) shall be entitled and empowered, by intervention in such proceeding or otherwise,

(i) to file and prove a claim for the whole amount of principal and interest owing and unpaid in respect of the Securities and to file such other papers or documents as may be necessary or advisable in order to have the claims of the Trustee (including any claim for the reasonable compensation, expenses, disbursements and advances of the Trustee, its agents and counsel and any other amount due the Trustee under Section 607) and of the Holders of Securities allowed in such judicial proceeding, and

(ii) to collect and receive any moneys or other property payable or deliverable on any such claims and to distribute the same;

and any receiver, assignee, trustee, liquidator, sequestrator or other similar official in any such judicial proceeding is hereby authorized by each Holder of Securities to make such payments to the Trustee and, in the event that the Trustee shall consent to the making of such payments directly to the Holders of Securities, to pay to the Trustee any amount due it for the reasonable compensation, expenses, disbursements and advances of the Trustee, its agents and counsel, and any other amounts due the Trustee under Section 607.

Nothing herein contained shall be deemed to authorize the Trustee to authorize or consent to or accept or adopt on behalf of any Holder of a Security any plan of reorganization, arrangement, adjustment or composition affecting the Securities or the rights of any Holder thereof, or to authorize the Trustee to vote in respect of the claim of any Holder of a Security in any such proceeding.

Section 505. Trustee May Enforce Claims Without Possession of Securities.

All rights of action and claims under this Indenture or the Securities may be prosecuted and enforced by the Trustee without the possession of any of the Securities or the production thereof in any proceeding relating thereto, and any such proceeding instituted by the Trustee shall be brought in its own name as trustee of an express trust, and any recovery or judgment shall, after provision for the payment of the reasonable compensation, expenses, disbursements and advances of the Trustee, its agents and counsel, be for the ratable benefit of the Holders of the Securities in respect of which such judgment has been recovered.

Section 506. Application of Money Collected.

Any money collected by the Trustee pursuant to this Article shall be applied in the following order, at the date or dates fixed by the Trustee, and, in case of the distribution of such money on account of principal or interest, upon presentation of the Securities, and the notation thereon of the payment if only partially paid and upon surrender thereof if fully paid:

First: To the payment of all amounts due the Trustee under Section 607;

Second: To the payment of the amounts then due and unpaid for principal of and interest on the Securities ratably, without preference or priority of any kind, according to the amounts due and payable on such Securities for principal and interest; and

Third: To the payment of the remainder, if any, to the Company.

Section 507. Limitation on Suits.

No Holder of any Security of any series shall have any right to institute any proceeding, judicial or otherwise, with respect to this Indenture, or for the appointment of a receiver or trustee, or for any other remedy hereunder, unless:

- (1) such Holder has previously given written notice to the Trustee of a continuing Event of Default with respect to the Securities of that series;
- (2) the Holders of not less than 25% in principal amount of the Outstanding Securities of that series shall have made written request to the Trustee to institute proceedings in respect of such Event of Default in its own name as Trustee hereunder;
- (3) such Holder or Holders have offered to the Trustee indemnity satisfactory to the Trustee against the costs, expenses and liabilities to be incurred in compliance with such request;
- (4) the Trustee for 60 days after its receipt of such notice, request and offer of indemnity has failed to institute any such proceeding; and
- (5) no direction inconsistent with such written request has been given to the Trustee during such 60-day period by the Holders of a majority in principal amount of the Outstanding Securities of that series;

it being understood and intended that no one or more Holders shall have any right in any manner whatever by virtue of, or by availing of, any provision of this Indenture to affect, disturb or prejudice the rights of any other Holders or to obtain or to seek to obtain priority or preference over any other Holders or to enforce any right under this Indenture, except in the manner herein provided and for the equal and ratable benefit of all the Holders (it being understood that the Trustee does not have an affirmative duty to ascertain whether or not such actions affect, disturb or prejudice the rights of such Holders or obtain or seek to obtain priority or preference over such Holders).

Section 508. Unconditional Right of Holders to Receive Principal and Interest.

Notwithstanding any other provision in this Indenture, the Holder of any Security shall have the right, which is absolute and unconditional, to receive payment of the principal of and (subject to Section 307) interest on such Security on the Stated Maturities or Maturities expressed in such Security and to institute suit for the enforcement of any such payment and such rights shall not be impaired without the consent of such Holder.

Section 509. Restoration of Rights and Remedies.

If the Trustee or any Holder of a Security has instituted any proceeding to enforce any right or remedy under this Indenture and such proceeding has been discontinued or abandoned for any reason, or has been determined adversely to the Trustee or to such Holder, then and in every such case, subject to any determination in such proceeding, the Company, the Trustee and the Holders of Securities shall be restored severally and respectively to their former positions hereunder and thereafter all rights and remedies of the Trustee and the Holders shall continue as though no such proceeding had been instituted.

Section 510. Rights and Remedies Cumulative.

Except as otherwise provided with respect to the replacement or payment of mutilated, destroyed, lost or stolen Securities in the last paragraph of Section 306, no right or remedy herein conferred upon or reserved to the Trustee or to the Holders of Securities is intended to be exclusive of any other right or remedy, and every right and remedy shall, to the extent permitted by law, be cumulative and in addition to every other right and remedy given hereunder or now or hereafter existing at law or in equity or otherwise. The assertion or employment of any right or remedy hereunder, or otherwise, shall not prevent the concurrent assertion or employment of any other appropriate right or remedy.

Section 511. Delay or Omission Not Waiver.

No delay or omission of the Trustee or of any Holder of any Security to exercise any right or remedy accruing upon any Event of Default shall impair any such right or remedy or constitute a waiver of any such Event of Default or an acquiescence therein. Every right and remedy given by this Article or by law to the Trustee or to the Holders of Securities may be exercised from time to time, and as often as may be deemed expedient, by the Trustee or by the Holders of Securities.

Section 512. Control by Holders of Securities.

The Holders of a majority in principal amount of the Outstanding Securities of any series shall have the right to direct the time, method and place of conducting any proceeding for any remedy available to the Trustee or exercising any trust or power conferred on the Trustee with respect to the Securities of such series; *provided* that

- (1) such direction shall not be in conflict with any rule of law or with this Indenture,
- (2) the Trustee shall not have determined that the action so directed would be unjustly prejudicial to the Holders not taking part in such direction (it being understood that the Trustee does not have an affirmative duty to ascertain whether or not such action would be unjustly prejudicial to such Holders), and
- (3) the Trustee may take any other action deemed proper by the Trustee which is not inconsistent with such direction.

Section 513. Waiver of Past Defaults.

The Holders of not less than a majority in principal amount of the Outstanding Securities of any series, by notice to the Trustee (and without notice to any other Holder), may on behalf of the Holders of all the Securities of such series waive any past default hereunder and its consequences, except a default:

- (1) in the payment of the principal of or interest on any Security of such series, or

(2) in respect of a covenant or provision hereof which under Article Nine cannot be modified or amended without the consent of the Holder of each Outstanding Security of such series affected.

Upon any such waiver, such default shall cease to exist, and any Event of Default arising therefrom shall be deemed to have been cured, for every purpose of this Indenture; but no such waiver shall extend to any subsequent or other default or impair any right consequent thereon.

Section 514. Undertaking for Costs.

All parties to this Indenture agree, and each Holder of any Security by his, her or its acceptance thereof shall be deemed to have agreed, that any court may in its discretion require, in any suit for the enforcement of any right or remedy under this Indenture, or in any suit against the Trustee for any action taken, suffered or omitted by it as Trustee, the filing by any party litigant in such suit of an undertaking to pay the costs of such suit, and that such court may in its discretion assess reasonable costs, including reasonable attorneys' fees and expenses, against any party litigant in such suit, having due regard to the merits and good faith of the claims or defenses made by such party litigant; but the provisions of this Section shall not apply to any suit instituted by the Trustee, to any suit instituted by any Holder, or group of Holders, holding in the aggregate more than 10% in principal amount of the Outstanding Securities of any series, or to any suit instituted by any Holder of any Security for the enforcement of the payment of the principal of or interest on any Security on or after the Stated Maturity or Maturities expressed in such Security (or, in the case of redemption, on or after the Redemption Date or, in the case of redemption or repurchase by the Company at the option of the Holder, on the date fixed for such redemption or repurchase, as the case may be).

Section 515. Waiver of Usury, Stay or Extension Laws.

The Company covenants (to the extent that it may lawfully do so) that it will not at any time voluntarily (and that it will resist any effort to make it do so involuntarily) insist upon, or plead, or in any manner whatsoever claim or take the benefit or advantage of, any usury, stay or extension law wherever enacted, now or at any time hereafter in force, which may affect the covenants or the performance of this Indenture or the Securities; and the Company (to the extent that it may lawfully do so) hereby expressly waives all benefit or advantage of any such law and covenants that it will not hinder, delay or impede the execution of any power herein granted to the Trustee, but will suffer and permit the execution of every such power as though no such law had been enacted.

ARTICLE SIX

The Trustee

Section 601. Certain Duties and Responsibilities.

- (a) Except during the continuance of an Event of Default,

(i) the Trustee undertakes to perform such duties and only such duties as are specifically set forth in this Indenture, and no implied covenants or obligations shall be read into this Indenture against the Trustee; and

(ii) in the absence of bad faith on its part, the Trustee may conclusively rely, as to the truth of the statements and the correctness of the opinions expressed therein, upon certificates or opinions furnished to the Trustee and conforming to the requirements of this Indenture; but in the case of any such certificates or opinions which by any provision hereof are specifically required to be furnished to the Trustee, the Trustee shall be under a duty to examine the same to determine whether or not they conform to the requirements of this Indenture (but need not confirm or investigate the accuracy of mathematical calculations or other facts stated therein).

(b) In case an Event of Default has occurred and is continuing with respect to the Securities of any series, the Trustee shall exercise such of the rights and powers vested in it by this Indenture with respect to the Securities of such series, and use the same degree of care and skill in their exercise, as a prudent person would exercise or use under the circumstances in the conduct of his or her own affairs.

(c) No provision of this Indenture shall be construed to relieve the Trustee from liability for its own negligent action, its own negligent failure to act or its own willful misconduct, except that:

(i) this Subsection shall not be construed to limit the effect of Subsection(a) of this Section;

(ii) the Trustee shall not be liable for any error of judgment made in good faith by a Responsible Officer, unless it shall be proved that the Trustee was negligent in ascertaining the pertinent facts; and

(iii) the Trustee shall not be liable with respect to any action taken or omitted to be taken by it in good faith in accordance with the direction of the Holders of a majority in principal amount of the Outstanding Securities of any series relating to the time, method and place of conducting any proceeding for any remedy available to the Trustee, or exercising any trust or power conferred upon the Trustee, under this Indenture with respect to the Securities of such series.

(d) No provision of this Indenture shall require the Trustee to expend or risk its own funds or otherwise incur any financial liability in the performance of any of its duties hereunder, or in the exercise of any of its rights or powers, if it shall have reasonable grounds for believing that repayment of such funds or adequate indemnity against such risk or liability is not assured to it to its satisfaction.

(e) Whether or not therein expressly so provided, every provision of this Indenture relating to the conduct or affecting the liability of or affording protection to the Trustee shall be subject to the provisions of this Section.

Section 602. Notice of Defaults.

Within 90 days after the occurrence of any default hereunder with respect to the Securities of any series and if such default is actually known to the Trustee (as provided in Section 603(j)), the Trustee shall transmit, in the manner and to the extent provided in Section 703(b), notice of such default hereunder known to the Trustee, unless such default shall have been cured or waived; *provided, however*, that, except in the case of a default in the payment of the principal of or interest on any Security of such series or in the payment of any sinking fund installment with respect to any Security of such series, the Trustee shall be protected in withholding such notice if and so long as a committee of directors or Responsible Officers of the Trustee in good faith determine that the withholding of such notice is in the interest of the Holders of Securities of such series; and *provided, further*, that, in the case of any default of the character specified in Section 501(3), no such notice to Holders shall be given until at least 60 days after the occurrence thereof. For the purpose of this Section, the term “default” means any event which is, or after notice or lapse of time or both would become, an Event of Default with respect to Securities of such series.

Section 603. Certain Rights of Trustee.

Except as otherwise provided in Section 601:

- (a) the Trustee may conclusively rely and shall be fully protected in acting or refraining from acting upon any resolution, certificate, statement, instrument, opinion, report, notice, request, direction, consent, order, bond, debenture, note or other paper or document believed by it to be genuine and to have been signed or presented by the proper party or parties and the Trustee need not investigate any fact or matter stated therein;
- (b) any request or direction of the Company mentioned herein shall be sufficiently evidenced by a Company Request or Company Order and any resolution of the Board of Directors may be sufficiently evidenced by a Board Resolution;
- (c) whenever in the administration of this Indenture the Trustee shall deem it desirable that a matter be proved or established prior to taking, suffering or omitting any action hereunder, the Trustee (unless other evidence be herein specifically prescribed) may conclusively rely upon an Officer’s Certificate or Opinion of Counsel or both, and will not be liable for any action it takes or omits to take in good faith and in reliance on such Officer’s Certificate or Opinion of Counsel;
- (d) the Trustee may consult with counsel of its selection and the advice of such counsel of its selection or any Opinion of Counsel shall be full and complete authorization and protection in respect of any action taken, suffered or omitted by it hereunder in reliance thereon;
- (e) the Trustee shall be under no obligation to exercise any of the rights or powers vested in it by this Indenture at the request or direction of any of the Holders of Securities of any series pursuant to this Indenture, unless such Holders shall have offered to the Trustee security or indemnity satisfactory to the Trustee against the costs, expenses and liabilities which might be incurred by it in compliance with such request or direction;
- (f) the Trustee shall not be bound to make any investigation into the facts or matters stated in any resolution, certificate, statement, instrument, opinion, report, notice, request, direction, consent, order, bond, debenture, note or other paper or document, but the Trustee, in its discretion, may make such further inquiry or investigation into such facts or matters as it may see fit, and, if the Trustee shall determine to make such further inquiry or investigation, it shall be entitled to examine the books, records and premises of the Company, personally or by agent or attorney at the sole reasonable cost of the Company and shall incur no liability or additional liability of any kind by reason of such inquiry or investigation;

(g) the Trustee may execute any of the trusts or powers hereunder or perform any duties hereunder either directly or by or through agents or attorneys and the Trustee shall not be responsible for any misconduct or negligence on the part of any agent or attorney appointed with due care by it hereunder;

(h) the Trustee shall not be liable for any action taken or omitted by it in good faith and believed by it to be authorized or within the discretion or rights or powers conferred upon it by this Indenture;

(i) in no event shall the Trustee be responsible or liable for special, indirect, or consequential loss or damage of any kind whatsoever (including, but not limited to, loss of profit), even if the Trustee has been advised of the likelihood of such loss or damage and regardless of the form of action;

(j) the Trustee shall not be deemed to have notice of any Default or Event of Default unless either (1) a Responsible Officer has actual knowledge of such Default or Event of Default or (2) written notice of any event which is in fact such a default is received by the Trustee at the Corporate Trust Office of the Trustee and such notice references the Securities and this Indenture;

(k) the Trustee's right to be indemnified is extended to, and shall be enforceable by, the Trustee in each of its capacities hereunder, and each agent, custodian and other Person employed with due care to act hereunder by the Trustee;

(l) the Trustee may request that the Company deliver an Officer's Certificate setting forth the names of individuals and titles of officers authorized at such time to take specified actions under this Indenture; and

(m) the permissive rights of the Trustee to take certain actions under this Indenture shall not be construed as a duty unless so specified herein.

Section 604. Not Responsible for Recitals or Issuance of Securities.

The recitals contained herein and in the Securities, except the Trustee's certificates of authentication, shall be taken as the statements of the Company, and the Trustee assumes no responsibility for their correctness. The Trustee makes no representations as to the validity or sufficiency of this Indenture or of the Securities, except that the Trustee represents that it is duly authorized to execute and deliver this Indenture, authenticate the Securities and perform its obligations hereunder, and the statements made by the Trustee in any Statement of Eligibility on Form T-1 supplied to the Company are true and accurate, subject to any qualifications set forth therein. The Trustee shall not be accountable for the use or application by the Company of Securities or the proceeds thereof.

Section 605. May Hold Securities.

The Trustee, any Paying Agent, any Security Registrar or any other agent of the Company, in its individual or any other capacity, may become the owner or pledgee of Securities and, subject to Sections 608 and 612, may otherwise deal with the Company with the same rights it would have if it were not Trustee, Paying Agent, Security Registrar or such other agent.

Section 606. Money Held in Trust.

Money held by the Trustee in trust hereunder need not be segregated from other funds except to the extent required by law. The Trustee shall be under no liability for interest on any money received by it hereunder except as otherwise agreed with the Company.

Section 607. Compensation and Reimbursement.

The Company agrees:

(1) to pay to the Trustee (in each of its capacities hereunder) from time to time compensation as the parties shall agree to in writing from time to time for all services rendered by it hereunder (which compensation shall not be limited by any provision of law in regard to the compensation of a trustee of an express trust);

(2) except as otherwise expressly provided herein, to reimburse the Trustee upon its request for all reasonable expenses, disbursements and advances incurred or made by the Trustee in accordance with any provision of this Indenture (including the reasonable compensation and the reasonable and documented expenses and disbursements of its agents and counsel), except any such expense, disbursement or advance as has been caused by its negligence or willful misconduct as determined by a court of competent jurisdiction in a final and non-appealable decision; and

(3) to indemnify, defend and protect each of the Trustee (in its individual capacity and Trustee capacities), any predecessor Trustee and their respective agents, employees, officers and directors for, and to hold them harmless against, any loss, claim, damage, liability or expense (including taxes other than taxes based on the income of the Trustee) incurred without negligence or willful misconduct on its part as determined by a court of competent jurisdiction in a final and non-appealable decision, arising out of or in connection with the acceptance or administration of this trust, including the reasonable and documented costs and expenses of enforcing this Indenture against the Company (including this Section 607) and defending itself against any claim (whether asserted by either of the Company or any Holder or any other Person) or liability in connection with the exercise or performance of any of its powers or duties hereunder. The Trustee shall notify the Company promptly of any claim for which it may seek indemnity. Failure by the Trustee to so notify the Company shall not relieve the Company of its obligations hereunder. The Company shall defend the claim and the Trustee shall cooperate in the defense. the Trustee may have separate counsel and the Company shall pay the reasonable fees and expenses of such counsel.

As security for the performance of the obligations of the Company under this Section, the Trustee shall have a lien prior to the Securities upon all property and funds held or collected by the Trustee as such, except funds held in trust for the payment of principal of or interest on particular Securities.

When the Trustee incurs expenses or renders services in connection with an Event of Default, the expenses (including the reasonable charges and expenses of its counsel) and the compensation for the services are intended to constitute expenses of administration under any applicable Federal or state bankruptcy, insolvency or other similar law.

The provisions of this Section shall survive the termination of this Indenture and the removal or resignation of the Trustee.

Section 608. Corporate Trustee Required; Eligibility.

There shall at all times be a Trustee hereunder, which shall be a corporation organized and doing business under the laws of the United States of America, any State thereof or the District of Columbia, authorized under such laws to exercise corporate trust powers, having a combined capital and surplus of at least \$50,000,000, and subject to supervision or examination by Federal or State authority. If such corporation publishes reports of condition at least annually, pursuant to law or to the requirements of said supervising or examining authority, then for the purposes of this Section, the combined capital and surplus of such corporation shall be deemed to be its combined capital and surplus as set forth in its most recent report of condition so published. If at any time the Trustee shall cease to be eligible in accordance with the provisions of this Section, it shall resign immediately in the manner and with the effect hereinafter specified in this Article. The Trustee shall comply with Trust Indenture Act Sections 310(a)(5) and 310(b).

Section 609. Resignation and Removal; Appointment of Successor.

(a) No resignation or removal of the Trustee and no appointment of a successor Trustee pursuant to this Article shall become effective until the acceptance of appointment by the successor Trustee under Section 610.

(b) The Trustee may resign at any time with respect to the Securities of one or more series by giving written notice thereof to the Company. If an instrument of acceptance by a successor Trustee shall not have been delivered to the Trustee within 30 days after the giving of such notice of resignation, the resigning Trustee may petition, at the expense of the Company, any court of competent jurisdiction for the appointment of a successor Trustee with respect to the Securities of such issue.

(c) The Trustee may be removed upon 30 days' prior written notice with respect to the Securities of any series by Act of the Holders of a majority in principal amount of the Outstanding Securities of such series, delivered to the Trustee and to the Company. If an instrument of acceptance by a successor Trustee shall not have been delivered to the Trustee within 30 days after such Act of the Holders, the removed Trustee may petition, at the expense of the Company, any court of competent jurisdiction for the appointment of a successor Trustee with respect to the Securities of such series.

(d) If at any time:

(i) the Trustee shall fail to comply with the last sentence of Section 608 after written request therefor by the Company or by any Holder who has been a bona fide Holder of a Security for at least six months (or such shorter period as the Securities have been outstanding), or

(ii) the Trustee shall cease to be eligible under Section 608 and shall fail to resign after written request therefor by the Company or by any such Holder, or

(iii) the Trustee shall become incapable of acting or shall be adjudged a bankrupt or insolvent or a receiver of the Trustee or of its property shall be appointed or any public officer shall take charge or control of the Trustee or of its property or affairs for the purpose of rehabilitation, conservation or liquidation,

then, in any such case, (i) the Company, by written notice to the Trustee, may remove the Trustee with respect to all Securities or (ii) subject to Section 514, any Holder who has been a bona fide Holder of a Security for at least six months (or such shorter period as the Securities have been outstanding) may, on behalf of himself and all others similarly situated, petition any court of competent jurisdiction for the removal of the Trustee with respect to all Securities and the appointment of a successor Trustee or Trustees.

(e) If the Trustee shall resign, be removed or become incapable of acting, or if a vacancy shall occur in the office of Trustee for any cause, with respect to the Securities of one or more series, the Company shall promptly appoint a successor Trustee or Trustees with respect to the Securities of that or those series (it being understood that any such successor Trustee may be appointed with respect to the Securities of one or more or all of such series and that at any time there shall be only one Trustee with respect to the Securities of any particular series). If, within one year after such resignation, removal or incapability, or the occurrence of such vacancy, a successor Trustee with respect to the Securities of any series shall be appointed by Act of the Holders of a majority in principal amount of the Outstanding Securities of such series delivered to the Company and the retiring Trustee, the successor Trustee so appointed shall, forthwith upon its acceptance of such appointment, become the successor Trustee with respect to the Securities of such series and supersede the successor Trustee appointed by the Company. If no successor Trustee with respect to the Securities of any series shall have been so appointed by the Company or the Holders and accepted appointment in the manner hereinafter provided, any Holder who has been a bona fide Holder of a Security of such series for at least six months (or such shorter period as the Securities have been outstanding) may, on behalf of himself and all others similarly situated, petition any court of competent jurisdiction for the appointment of a successor Trustee with respect to the Securities of such series.

(f) The Company shall give notice of each resignation and each removal of the Trustee with respect to the Securities of any series and each appointment of a successor Trustee with respect to the Securities of any series in the manner provided in Section 106. Each notice shall include the name of the successor Trustee and the address of its Corporate Trust Office.

Section 610. Acceptance of Appointment by Successor.

(a) In case of the appointment hereunder of a successor Trustee with respect to all Securities, every such successor Trustee appointed shall execute, acknowledge and deliver to the Company and to the retiring Trustee an instrument accepting such appointment, and thereupon the resignation or removal of the retiring Trustee shall become effective and such successor Trustee, without any further act, deed or conveyance, shall become vested with all the rights, powers, trusts and duties of the retiring Trustee; but, on request of the Company or the successor Trustee, such retiring Trustee shall, upon payment of its charges, execute and deliver an instrument transferring to such successor Trustee all the rights, powers and trusts of the retiring Trustee and shall duly assign, transfer and deliver to such successor Trustee all property and money held by such retiring Trustee hereunder, subject nevertheless to its lien, if any, provided for in Section 607.

(b) In case of the appointment hereunder of a successor Trustee with respect to the Securities of one or more (but not all) series, the Company, the retiring Trustee and each successor Trustee with respect to the Securities of one or more series shall execute and deliver an indenture supplemental hereto, wherein each successor Trustee shall accept such appointment and which (1) shall contain such provisions as shall be necessary or desirable to transfer and confirm to, and to vest in, each successor Trustee all the rights, powers, trusts and duties of the retiring Trustee with respect to the Securities of that or those series to which the appointment of such successor Trustee relates, (2) if the retiring Trustee is not retiring with respect to all Securities, shall contain such provisions as shall be deemed necessary or desirable to confirm that all the rights, powers, trusts and duties of the retiring Trustee with respect to the Securities of that or those series as to which the retiring Trustee is not retiring shall continue to be vested in the retiring Trustee, and (3) shall add to or change any of the provisions of this Indenture as shall be necessary to provide for or facilitate the administration of the trusts hereunder by more than one Trustee, it being understood that nothing herein or in such supplemental indenture shall constitute such Trustees as co-trustees of the same trust and that each such Trustee shall be trustee of a trust or trusts hereunder separate and apart from any trust or trusts hereunder administered by any other such Trustee; and, upon the execution and delivery of such supplemental indenture, the resignation or removal of the retiring Trustee shall become effective to the extent provided therein and each such successor Trustee, without any further act, deed or conveyance, shall become vested with all the rights, powers, trusts and duties of the retiring Trustee with respect to the Securities of that or those series to which the appointment of such successor Trustee relates; but, on request of the Company or any successor Trustee, such retiring Trustee shall duly assign, transfer and deliver to such successor Trustee all property and money held by such retiring Trustee hereunder with respect to the Securities of that or those series to which the appointment of such successor Trustee relates, subject, nevertheless, to its lien, if any, provided for in Section 607.

(c) Upon request of any such successor Trustee, the Company shall execute any and all instruments for more fully and certainly vesting in and confirming to such successor Trustee all such rights, powers and trusts referred to in paragraph (a) or (b) of this Section.

(d) No successor Trustee shall accept its appointment unless at the time of such acceptance such successor Trustee shall be qualified and eligible under this Article.

Section 611. Merger, Conversion, Consolidation or Succession to Business.

Any corporation into which the Trustee may be merged or converted or with which it may be consolidated, or any corporation resulting from any merger, conversion or consolidation to which the Trustee shall be a party, or any corporation succeeding to all or substantially all the corporate trust business of the Trustee, shall be the successor of the Trustee hereunder, provided such corporation shall be otherwise qualified and eligible under this Article, without the execution or filing of any paper or any further act on the part of any of the parties hereto. In case any Securities shall have been authenticated, but not delivered, by the Trustee then in office, any successor by merger, conversion or consolidation to such authenticating Trustee may adopt such authentication and deliver the Securities so authenticated with the same effect as if such successor Trustee had itself authenticated such Securities.

Section 612. Preferential Collection of Claims Against Company.

The Trustee shall comply with Trust Indenture Act Section 311(a), excluding any creditor relationship listed in Trust Indenture Act Section 311(b). A Trustee who has resigned or been removed shall be subject to Trust Indenture Act Section 311(a) to the extent indicated therein.

ARTICLE SEVEN

Holders' Lists and Reports by Trustee and Company

Section 701. Company to Furnish Trustee Names and Addresses of Holders.

The Company will furnish or cause to be furnished to the Trustee:

(a) semiannually, not later than June 30 and December 31 in each year, a list, in such form as the Trustee may reasonably require, containing all the information (to the extent such information is in the possession or control of the Company, or any of its Paying Agents other than the Trustee) as to the names and addresses of the Holders of Securities as of the preceding June 15 or December 15, as the case may be, and

(b) at such other times as the Trustee may request in writing, within 30 days after the receipt by the Company of any such request, a list of similar form and content as of a date not more than 15 days prior to the time such list is furnished;

excluding from any such list names and addresses received by the Trustee in its capacity as Security Registrar.

Section 702. Preservation of Information; Communications to Holders.

(a) The Trustee shall preserve, in as current a form as is reasonably practicable, the names and addresses of Holders of Securities (i) contained in the most recent list furnished to the Trustee as provided in Section 701, (ii) received by the Trustee in its capacity as Security Registrar and (iii) filed with it within the two preceding years pursuant to Section 703(b)(2). The Trustee may (i) destroy any list furnished to it as provided in Section 701 upon receipt of a new list so furnished, (ii) destroy any information received by it as Paying Agent (if so acting) hereunder upon delivering to itself as Trustee, not earlier than August 15 or February 15, a list containing the names and addresses of the Holders of Securities obtained from such information since the delivery of the next previous list, if any, (iii) destroy any list delivered to itself as Trustee which was compiled from information received by it as Paying Agent (if so acting) hereunder upon the receipt of a new list so delivered and (iv) destroy, not earlier than two years after filing, any information filed with it pursuant to Section 703(b)(2).

(b) Holders may communicate pursuant to Trust Indenture Act Section 312(b) with other Holders with respect to their rights under this Indenture or the Securities. The Company, the Trustee, the Security Registrar, the Paying Agent and any other person shall have the protection of Trust Indenture Act Section 312(c).

(c) Every Holder of Securities, by receiving and holding the same, shall be deemed to have agreed with the Company and the Trustee that neither the Company nor the Trustee nor any agent of either of them shall be held accountable by reason of any disclosure of information as to names and addresses of Holders made pursuant to, and as required by, the Trust Indenture Act.

Section 703. Reports by Trustee.

(a) So long as any Securities are Outstanding, the Trustee shall, within 60 days after May 15 of each year, the Trustee shall transmit to all Holders of Securities a brief report dated as of such May 15 that complies with Trust Indenture Act Section 313(a), if such report is required by such Section 313(a). The Trustee also shall comply with Trust Indenture Act Sections 313(b) and (c).

(b) A copy of each such report shall, at the time of such transmission to Holders of Securities, be filed by the Trustee with each stock exchange upon which any Securities are listed, with the Commission and with the Company. The Company will notify the Trustee when any Securities are listed on any stock exchange or of any delisting thereof.

Section 704. Reports by Company.

The Company shall, to the extent required by Section 314(a) of the Trust Indenture Act:

(1) file with the Trustee, within 15 days after the Company has filed the same with the Commission, copies of the annual reports and of the information, documents and other reports (or copies of such portions of any of the foregoing as the Commission may from time to time by rules and regulations prescribe) which the Company may be required to file with the Commission pursuant to Section 13 or Section 15(d) of the Securities Exchange Act of 1934; *provided* that the Company shall be deemed to have filed copies of any such annual reports, documents or other reports with the Trustee to the extent that such annual reports, documents or other reports are filed with the Commission via EDGAR (or any successor electronic delivery procedure). The Company shall also comply with the other provisions of Section 314(a) of the Trust Indenture Act.

(2) file with the Trustee and the Commission, in accordance with rules and regulations prescribed from time to time by the Commission, such additional information, documents and reports with respect to compliance by the Company with the conditions and covenants of this Indenture as may be required from time to time by such rules and regulations; and

(3) transmit, within 30 days after the filing thereof with the Trustee, to the Holders of Securities, in the manner and to the extent provided in Section 703(b) with respect to reports under Section 703(a), copies or such summaries of any information, documents and reports required to be filed by the Company pursuant to paragraphs (1) and (2) of this Section as may be required by rules and regulations prescribed from time to time by the Commission.

Delivery of such reports, information and documents to the Trustee is for informational purposes only and the Trustee's receipt of such shall not constitute constructive notice of any information contained therein or determinable from information contained therein, including the Company's compliance with any of its covenants hereunder (as to which the Trustee is entitled to rely exclusively on Officer's Certificates). The Trustee shall not be obligated to monitor or confirm, on a continuing basis or otherwise, the Company's compliance with the covenants described herein, to determine whether such reports, information or other documents have been filed with the Commission (whether via EDGAR or any successor electronic delivery procedure) or posted on any website or datasite under this Indenture, to examine such reports, information or documents to ensure compliance with the provisions of this Indenture or to ascertain the correctness or otherwise of the information or the statements contained therein or to participate in any conference calls.

Notwithstanding the foregoing, the annual reports, information, documents and other reports required to be provided as described above, may be, rather than those of the Company, those of any predecessor or successor of the Company or any direct or indirect parent of the Company.

ARTICLE EIGHT

Consolidation, Merger, Conveyance, Transfer or Lease

Section 801. Company May Consolidate, Etc., Only on Certain Terms.

The Company shall not consolidate with or merge into any other Business Entity or convey, transfer or lease its properties and assets substantially as an entirety to any Business Entity, unless:

(1) the Business Entity formed by such consolidation or into which the Company is merged or the Business Entity that acquires by conveyance or transfer, or which leases, the properties and assets of the Company substantially as an entirety shall be a Business Entity organized and existing under the laws of the United States of America, any State thereof or the District of Columbia and shall expressly assume, by an indenture supplemental hereto, executed and delivered to the Trustee, in form satisfactory to the Trustee, the due and punctual payment of the principal of and interest on all the Securities and the performance of every covenant of this Indenture and the Securities on the part of the Company to be performed or observed;

(2) immediately after giving effect to such transaction, no Event of Default, and no event that, after notice or lapse of time or both, would become an Event of Default, shall have occurred and be continuing; and

(3) the Company has delivered to the Trustee an Officer's Certificate and an Opinion of Counsel, each stating that such consolidation, merger, conveyance, transfer or lease and such supplemental indenture comply with this Article and that all conditions precedent herein provided for relating to such transaction have been complied with.

Section 802. Successor Substituted.

Upon any consolidation with or merger by the Company into any other Business Entity or any conveyance, transfer or lease of the properties and assets of the Company substantially as an entirety to any Business Entity in accordance with Section 801, the successor Business Entity formed by such consolidation or into which the Company is merged or the Business Entity to which such conveyance, transfer or lease is made shall succeed to, and be substituted for, and may exercise every right and power of, the Company under this Indenture with the same effect as if such successor Business Entity had been named as the Company herein, and thereafter, except in the case of a lease to another Business Entity, the predecessor Business Entity shall be relieved of all obligations and covenants under this Indenture and the Securities.

ARTICLE NINE

Supplemental Indentures

Section 901. Supplemental Indentures Without Consent of Holders.

Without the consent of any Holders of Securities, the Company, when authorized by a Board Resolution, and the Trustee, at any time and from time to time, may enter into one or more indentures supplemental hereto, in form satisfactory to the Trustee, for any of the following purposes:

- (1) to evidence the succession of another Business Entity to the Company and the assumption by any such successor of the covenants, agreements and obligations of the Company herein and in the Securities pursuant to Article Eight;
- (2) to add to the covenants, agreements and obligations of the Company for the benefit of the Holders of all of the Securities or any series thereof, or to surrender any right or power herein conferred upon the Company;
- (3) to add to or change any of the provisions of this Indenture to permit the issuance of Securities in uncertificated form; or
- (4) to establish the form or terms of Securities of any series, as permitted by Sections 201 and 301, respectively, or (unless prohibited by the terms of the Securities of any series set pursuant to Section 301) to provide for the re-opening of such series of Securities and for the issuance of additional Securities of such series; or
- (5) to evidence and provide for the acceptance of appointment hereunder by a successor Trustee with respect to the Securities of one or more series and to add to or change any of the provisions of this Indenture as shall be necessary to provide for or facilitate the administration of the trusts hereunder by more than one Trustee, pursuant to the requirements of Section 610(b); or
- (6) to cure any ambiguity, to correct or supplement any provision herein which may be inconsistent with any other provision herein, or to make any other provisions with respect to matters or questions arising under this Indenture; or

(7) to add to, change or eliminate any of the provisions of this Indenture (which addition, change or elimination may apply to one or more series of Securities), *provided* that any such addition, change or elimination shall neither (A) apply to any Security of any series created prior to the execution of such supplemental indenture and entitled to the benefit of such provision nor (B) modify the rights of the Holder of any such Security with respect to such provision; or

(8) to add to or change or eliminate any provision of this Indenture as shall be necessary to comply with any amendments to the Trust Indenture Act or to otherwise maintain qualification of this Indenture under the Trust Indenture Act or to comply with the rules of any applicable Depository; or

(9) to conform the text of this Indenture with respect to any series of Securities to any provision of the section entitled "Description of Notes" (or equivalent title) in the offering memorandum or prospectus relating to the initial offering of such series of Securities;

(10) to secure the Securities; or

(11) to make any other change that does not adversely affect the rights of any Holder in any material respect.

Section 902. Supplemental Indentures with Consent of Holders.

With the consent of (i) the Holders of not less than a majority in principal amount of the Outstanding Securities voting as a single class or (ii) if fewer than all of the series of the Outstanding Securities are affected by such addition, change, elimination or modification, the Holders of not less than a majority in principal amount of the Outstanding Securities of all series so affected by such supplemental indenture voting as a single class (including, for the avoidance of doubt, consents obtained in connection with a purchase of, or tender offer or exchange for, such debt securities), by Act of said Holders delivered to the Company and the Trustee, the Company, when authorized by a Board Resolution, and the Trustee may enter into an indenture or indentures supplemental hereto for the purpose of adding any provisions to or changing in any manner or eliminating any of the provisions of this Indenture or of modifying in any manner the rights of the Holders of the Securities of the applicable series under this Indenture; *provided, however*, that no such supplemental indenture shall, without the consent of the Holder of each Outstanding Security affected thereby:

(1) change the Stated Maturity of the principal of, or any installment of principal or interest on, any such Security, or reduce the principal amount thereof or the rate of interest thereon or any premium payable thereon, or reduce the amount of principal of any such Original Issue Discount Security that would be due and payable upon a declaration of acceleration of maturity thereof pursuant to Section 502, or change the Place of Payment where, or coin or currency in which, any principal of, or any installment of interest on, any such Security is payable, or impair the right to institute suit for the enforcement of any such payment on or after the Stated Maturity thereof;

(2) reduce the percentage in principal amount of the Outstanding Securities of any series, the consent of whose Holders is required for any such supplemental indenture, or the consent of whose Holders is required for any waiver (of compliance with certain provisions of this Indenture or certain defaults hereunder and their consequences) with respect to the Securities of such series provided for in this Indenture; or

(3) modify any of the provisions of this Section, Section 513 or Section 1006, except to increase any such percentage or to provide that certain other provisions of this Indenture cannot be modified or waived without the consent of the Holder of each Outstanding Security affected thereby.

A supplemental indenture which changes or eliminates any covenant or other provision of this Indenture which has expressly been included solely for the benefit of one or more particular series of Securities, or which modifies the rights of the Holders of Securities of such series with respect to such covenant or other provision, shall be deemed not to affect the rights under this Indenture of the Holders of Securities of any other series.

It shall not be necessary for any Act of Holders under this Section to approve the particular form of any proposed supplemental indenture, but it shall be sufficient if such Act shall approve the substance thereof.

Section 903. Execution of Supplemental Indentures.

In executing, or accepting the additional trusts created by, any supplemental indenture permitted by this Article or the modifications thereby of the trusts created by this Indenture, the Trustee shall receive upon request to the Company, and (subject to Section 601) shall be fully protected in relying upon, an Opinion of Counsel stating that the execution of such supplemental indenture is authorized or permitted by this Indenture and all conditions precedent herein relating to the execution of such supplemental indenture have been complied with. The Trustee may, but shall not be obligated to, enter into any such supplemental indenture which affects the Trustee's own rights, duties, liabilities or immunities under this Indenture or otherwise.

Section 904. Effect of Supplemental Indentures.

Upon the execution of any supplemental indenture under this Article, this Indenture shall be modified in accordance therewith, and such supplemental indenture shall form a part of this Indenture for all purposes; and every Holder of Securities theretofore or thereafter authenticated and delivered hereunder shall be bound thereby.

Section 905. Conformity with Trust Indenture Act.

Every supplemental indenture executed pursuant to this Article shall conform to the requirements of the Trust Indenture Act as then in effect.

Section 906. Reference in Securities to Supplemental Indentures.

Securities of any series authenticated and delivered after the execution of any supplemental indenture pursuant to this Article may, and shall, if required by the Trustee, bear a notation in form approved by the Trustee as to any matter provided for in such supplemental indenture. If the Company shall so determine, new Securities of any series so modified as to conform, in the opinion of the Trustee and the Company, to any such supplemental indenture may be prepared and executed by the Company and authenticated and delivered by the Trustee in exchange for Outstanding Securities of such series.

ARTICLE TEN

Covenants

Section 1001. Payment of Principal and Interest.

The Company covenants and agrees for the benefit of each series of Securities that it will duly and punctually pay the principal of and any interest on the Securities of that series in accordance with the terms of the Securities and this Indenture. An installment of principal or interest on the Securities shall be considered paid on the date it is due if the Trustee or a Paying Agent (other than the Company or an Affiliate of the Company) holds on that date funds (in the currency or currencies of payment with respect to such Securities) designated for and sufficient to pay such installment. At the Company's option, payment of principal or interest may be made by check or by transfer to an account maintained by the payee (*provided* the Trustee has received written payment instructions at least fifteen days prior to any payment date).

Section 1002. Maintenance of Office or Agency.

The Company will maintain in each Place of Payment for such series an office or agency where Securities of that series may be presented or surrendered for payment, where Securities of that series may be surrendered for registration of transfer or exchange and where notices and demands to or upon the Company in respect of the Securities of that series and this Indenture may be served. The Company will give prompt written notice to the Trustee and the Holders of the location, and any change in the location, of any such office or agency. If at any time the Company shall fail to maintain any such required office or agency in respect of any series of Securities, or shall fail to furnish the Trustee with the address thereof, such presentations and surrenders of Securities of that series may be made, and notices and demands may be made or served, at the Corporate Trust Office of the Trustee; provided the Corporate Trust Office of the Trustee shall not be an office or agency of the Company for the purpose of effecting service of legal process on the Company.

The Company may also from time to time designate one or more other offices or agencies where the Securities of one or more series may be presented or surrendered for any or all such purposes and may from time to time rescind such designations; *provided, however*, that no such designation or rescission shall in any manner relieve the Company of its obligation to maintain an office or agency in accordance with the requirements set forth above for Securities of any series for such purposes. The Company will give prompt written notice to the Trustee of any such designation or rescission and of any change in the location of any such other office or agency.

Unless otherwise specified pursuant to Section 301 with respect to the Securities of any series, the Trustee shall be a Paying Agent and Transfer Agent for the Securities of such series (until replaced or removed by the Company in accordance with this Indenture), and the office or agency of the Company in respect of the Securities of such series for the purposes contemplated by this Section 1002 shall be the Corporate Trust Office of the Trustee.

Section 1003. Money for Security Payments to Be Held in Trust.

If the Company shall at any time act as its own Paying Agent with respect to any series of the Securities, it will, on or before each due date of the principal of or interest on any of the Securities of that series, segregate and hold in trust for the benefit of the Persons entitled thereto a sum sufficient to pay the principal or interest so becoming due until such sums shall be paid to such Persons or otherwise disposed of as herein provided and will promptly notify the Trustee of its action or failure so to act.

Whenever the Company shall have one or more Paying Agents for any series of the Securities, it will, on or prior to each due date of the principal of or interest on any Securities of that series, deposit with a Paying Agent a sum sufficient to pay the principal or interest so becoming due, such sum to be held in trust for the benefit of the Persons entitled to such principal or interest, and (unless such Paying Agent is the Trustee) the Company will promptly notify the Trustee of its action or failure so to act.

The Company will cause each Paying Agent for any series of Securities (other than the Trustee) to execute and deliver to the Trustee an instrument in which such Paying Agent shall agree with the Trustee, subject to the provisions of this Section, that such Paying Agent will:

(1) comply with the provisions of the Trust Indenture Act applicable to it as such Paying Agent and hold all sums held by it for the payment of the principal of or interest on Securities of such series in trust for the benefit of the Persons entitled thereto until such sums shall be paid to such Persons or otherwise disposed of as herein provided;

(2) give the Trustee notice of any default by the Company (or any other obligor upon the Securities of such series) in the making of any payment of principal or interest on the Securities of such series; and

(3) at any time during the continuance of any such default, upon the written request of the Trustee, forthwith pay to the Trustee all sums so held in trust by such Paying Agent.

The Company may at any time, for the purpose of obtaining the satisfaction and discharge of this Indenture or for any other purpose, pay, or by Company Order direct any Paying Agent to pay, to the Trustee all sums held in trust by the Company or such Paying Agent, such sums to be held by the Trustee upon the same trusts as those upon which such sums were held by the Company or such Paying Agent; and, upon such payment by any Paying Agent to the Trustee, such Paying Agent shall be released from all further liability with respect to such money.

Subject to applicable abandoned property law, any money deposited with the Trustee or any Paying Agent or then held by the Company in trust for the payment of the principal of or interest on any Security of any series and remaining unclaimed for two years after such principal or interest has become due and payable shall be paid to the Company on Company Request, or (if then held by the Company) shall be discharged from such trust; and the Holder of such Security shall thereafter, as an unsecured general creditor, look only to the Company for payment thereof, and all liability of the Trustee or such Paying Agent with respect to such trust money, and all liability of the Company as trustee thereof, shall thereupon cease; *provided, however*, that the Trustee or such Paying Agent, before being required to make any such repayment, may at the expense and direction of the Company cause to be published once, in a newspaper in each Place of Payment, notice that such money remains unclaimed and that, after a date specified therein, which shall not be less than 30 days from the date of such publication, any unclaimed balance of such money then remaining will be repaid to the Company.

Section 1004. Limitation on Liens.

The Company will not, and will not permit any Consolidated Subsidiary to, incur, create, assume, guarantee or otherwise become liable with respect to (collectively, “incur”) any Secured Debt, unless (i) the Company secures or causes such Consolidated Subsidiary to secure the Securities equally and ratably with (or prior to) such Secured Debt or (ii) after giving effect thereto, the aggregate amount of all Secured Debt that would otherwise be subject to the restrictions set forth in this Section would not exceed the greater of (a) \$2.5 billion, or (b) 15% of Consolidated Net Tangible Assets determined at the time of incurrence thereof; *provided, however*, that for purposes of this Section there shall be excluded from Secured Debt all Indebtedness secured by:

- (a) Liens existing on the date of this Indenture;
- (b) Liens existing on property of, or on any shares of Capital Stock or Indebtedness of, any Business Entity at the time such Business Entity becomes a Consolidated Subsidiary or at the time such Business Entity is merged into or consolidated with the Company or any Consolidated Subsidiary or at the time of sale, lease or other disposition of the properties of such Business Entity (or a division of such Business Entity) to the Company or a Consolidated Subsidiary as an entirety or substantially as an entirety;
- (c) Liens in favor of the Company or a Consolidated Subsidiary;
- (d) Liens in favor of governmental bodies to secure progress, advance or other payments pursuant to any contract or provision of any statute;
- (e) Liens existing on property, shares of Capital Stock or Indebtedness at the time of acquisition thereof (including acquisition through merger or consolidation) or Liens (i) to secure the payment of all or any part of the purchase price of such property, shares or Indebtedness or the cost of construction, installation, expansion, renovation, improvement or development on or of such property or (ii) to secure any Indebtedness incurred prior to, at the time of, or within two years after the latest of the acquisition, the completion of such construction, installation, expansion, renovation, improvement or development or the commencement of full operation of such property or within two years after the acquisition of such shares or Indebtedness for the purpose of financing all or any part of the purchase price or cost thereof;
- (f) Liens on any specific oil or gas property to secure Indebtedness incurred by the Company or any Consolidated Subsidiary to provide funds for all or any portion of the cost of exploration, production, gathering, processing, marketing, drilling or development of such property;
- (g) Liens on any Principal Domestic Property securing Indebtedness incurred under industrial development, pollution control or other revenue bonds issued or guaranteed by the United States of America or any State thereof or any department, agency, instrumentality or political subdivision thereof;

(h) Liens on any Principal Domestic Property securing Indebtedness arising in connection with the sale of accounts receivable resulting from the sale of oil or gas at the wellhead; and

(i) any extension, renewal or refunding of any Liens referred to in the foregoing clauses (a) through (h), inclusive; *provided, however*, that (i) such extension, renewal or refunding Lien shall be limited to all or part of the same property, shares of Capital Stock or Indebtedness that secured the Lien extended, renewed or refunded (plus improvements on or replacements of such property) and (ii) such Secured Debt at such time is not increased.

Section 1005. Statement by Officer as to Compliance; Notice of Certain Events.

The Company will deliver to the Trustee, within 120 days after the end of each fiscal year of the Company ending after the date hereof, a brief certificate, signed by the principal executive officer, the principal financial officer or the principal accounting officer of the Company stating, as to the signer's knowledge, whether the Company is in default in the performance and observance of any of the terms, provisions and conditions of this Indenture (without regard to any period of grace or requirement of notice provided under any of the provisions of this Indenture) and, if the Company shall be in default, specifying all such defaults and the nature and status thereof of which the signer may have knowledge.

Section 1006. Waiver of Certain Covenants.

The Company may omit in any particular instance to comply with any covenant or condition set forth in Section 1004 with respect to the Securities of any series, if before or after the time for such compliance the Holders of at least a majority in principal amount of the Outstanding Securities of such series shall, by Act of such Holders, either waive such compliance in such instance or generally waive compliance with such covenant or condition, but no such waiver shall extend to or affect such covenant or condition except to the extent so expressly waived, and, until such waiver shall become effective, the obligations of the Company and the duties of the Trustee in respect of any such covenant or condition shall remain in full force and effect.

ARTICLE ELEVEN

Redemption of Securities

Section 1101. Applicability of Article.

Securities of any series which are redeemable before their Stated Maturity shall be redeemable in accordance with their terms and (except as otherwise specified as contemplated by Section 301 for Securities of any series) in accordance with this Article.

Section 1102. Election to Redeem; Notice to Trustee.

In the event that the Company elects to redeem Securities of any series, the Company shall, at least 5 Business Days prior to the date the notice of redemption is to be sent (unless a shorter notice shall be satisfactory to the Trustee), notify the Trustee of the Redemption Date fixed by the Company, of the principal amount of the Securities to be redeemed and of any other information necessary to identify the Securities of such series to be redeemed.

Section 1103. Selection by Trustee of Securities to be Redeemed.

Unless otherwise specified as contemplated by Section 301 with respect to any series of Securities, if less than all the Securities of any series with the same issue date, interest rate, Stated Maturity and other terms are to be redeemed, the particular Securities to be redeemed shall be selected not more than 60 days prior to the Redemption Date by the Trustee, from the Outstanding Securities of such series not previously called for redemption, by such method as the Trustee shall deem appropriate (or in case of global Securities, by such method as the Depositary may require), which method may provide for the selection for redemption of portions (equal to the minimum authorized denomination for Securities of that series or any authorized denomination for the Securities of that series in excess thereof) of the principal amount of Securities of such series of a denomination larger than the minimum authorized denomination for Securities of that series.

The Trustee shall promptly notify the Company in writing of the Securities selected for redemption and, in the case of any Securities selected for partial redemption, the principal amount thereof to be redeemed.

For all purposes of this Indenture, unless the context otherwise requires, all provisions relating to the redemption of Securities shall relate, in the case of any Securities redeemed or to be redeemed only in part, to the portion of the principal amount of such Securities which has been or is to be redeemed.

Section 1104. Notice of Redemption.

Unless otherwise specified as contemplated by Section 301 with respect to any series of Securities, notice of redemption shall be given in the manner provided in Section 106 to the Holders of Securities to be redeemed not less than 10 nor more than 60 days prior to the Redemption Date.

All notices of redemption shall identify the Securities to be redeemed (including, if applicable, the CUSIP number thereof) and shall state:

- (1) the Redemption Date;
- (2) the Redemption Price (or, if not then ascertainable, the manner of calculation thereof);
- (3) if fewer than all the Outstanding Securities of any series are to be redeemed, the identification (and, in the case of partial redemption, the principal amounts) of the particular Securities to be redeemed;

- (4) that on the Redemption Date the Redemption Price will become due and payable upon each such Security (or portion thereof) to be redeemed, together with (if applicable) accrued and unpaid interest thereon and, if applicable, that interest thereon will cease to accrue on and after said date;
- (5) the place or places where such Securities maturing after the Redemption Date are to be surrendered for payment of the Redemption Price;
- (6) that the redemption is for a sinking fund, if such is the case; and
- (7) any conditions to such redemption.

A notice of redemption published as contemplated by Section 106 need not identify particular Securities to be redeemed.

Notice of redemption of Securities to be redeemed at the election of the Company shall be given by the Company or, at the Company's request, by the Trustee in the name and at the expense of the Company; *provided* that, the Company sets forth the notice information in an Officer's Certificate to the Trustee at least 5 Business Days prior to the date the notice of redemption is to be sent (or such shorter time to which the Trustee agrees).

Any redemption or notice of redemption may, at the Company's discretion, be subject to one or more conditions precedent, including completion of a corporate transaction. If such redemption is subject to satisfaction of one or more conditions precedent, such notice may state that, in the Company's discretion, the Redemption Date may be delayed until such time (including more than 60 days after the date the notice of redemption was delivered) as any or all such conditions shall be satisfied, or such redemption may not occur and such notice may be rescinded in the event that any or all such conditions shall not have been satisfied by the Redemption Date, or by the Redemption Date so delayed, or such notice may be rescinded at any time in the Issuer's discretion if in the good faith judgment of the Company any or all of such conditions will not be satisfied. The Company will provide written notice to the Trustee no later than 11:00 a.m., New York City time on the Redemption Date if any such redemption has been rescinded or delayed.

Section 1105. Deposit of Redemption Price.

On or prior to 11:00 a.m., New York City time, on any Redemption Date, the Company shall deposit with the Trustee or with a Paying Agent (or, if the Company is acting as its own Paying Agent, segregate and hold in trust as provided in Section 1003) an amount of money sufficient to pay the Redemption Price of, and, if accrued and unpaid interest on the Securities (or portions thereof) to be redeemed is, pursuant to the terms of this Indenture or such Securities, payable to the Persons entitled to receive the Redemption Price thereof, and such accrued and unpaid interest (if any) on, all the Securities which are to be redeemed on that date.

Section 1106. Securities Payable on Redemption Date.

Notice of redemption having been given as aforesaid, the Securities so to be redeemed shall, on the Redemption Date, become due and payable at the Redemption Price therein specified, and from and after such date (unless the Company shall default in the payment of the Redemption Price and accrued interest) such Securities shall cease to bear interest, in each case subject to satisfaction of any conditions to such redemption. Upon surrender of any such Security for redemption in accordance with said notice, such Security shall be paid by the Company at the Redemption Price, together with accrued interest to the Redemption Date; *provided, however*, that unless otherwise specified as contemplated by Section 301, installments of interest on Securities whose Stated Maturity is on or prior to the Redemption Date shall be payable to the Holders of such Securities, or one or more Predecessor Securities, registered as such at the close of business on the relevant Regular Record Dates according to their terms and the provisions of Sections 305 and 307.

If any Security called for redemption shall not be so paid upon surrender thereof for redemption, the principal shall, until paid, bear interest from the Redemption Date at the rate prescribed therefor in the Security or, if no such rate is so prescribed, at the rate of interest borne by the Security.

Section 1107. Securities Redeemed in Part.

Any Security which is to be redeemed only in part shall be surrendered at a Place of Payment therefor (with, if the Company or the Trustee so requires, due endorsement by, or a written instrument of transfer in form satisfactory to the Company and the Trustee duly executed by, the Holder thereof or his, her or its attorney duly authorized in writing), and the Company shall execute, and the Trustee shall authenticate and deliver to the Holder of such Security without service charge, a new Security or Securities of the same series and of like tenor, of any authorized denomination as requested by such Holder, in aggregate principal amount equal to and in exchange for the unredeemed portion of the principal of the Security so surrendered.

Section 1108. Performance by Another Person.

Payment of the Redemption Price and performance of the Company's obligations with respect to such redemption may be performed by another person; *provided, however*, the Company shall remain obligated to pay the Redemption Price and perform any such obligations with respect to such redemption in the event such other person fails to do so.

ARTICLE TWELVE

Sinking Funds

Section 1201. Applicability of Article.

The provisions of this Article shall be applicable to any sinking fund for the retirement of Securities of a series, except as otherwise specified as contemplated by Section 301 for Securities of such series.

The minimum amount of any sinking fund payment provided for by the terms of Securities of any series is herein referred to as a "mandatory sinking fund payment," and any payment in excess of such minimum amount provided for by the terms of Securities of any series is herein referred to as an "optional sinking fund payment." If provided for by the terms of Securities of any series, the cash amount of any sinking fund payment may be subject to reduction as provided in Section 1202. Each sinking fund payment shall be applied to the redemption of Securities of any series as provided for by the terms of Securities of such series.

Section 1202. Satisfaction of Sinking Fund Payments with Securities.

The Company (1) may deliver Outstanding Securities of a series with the same issue date, interest rate and Stated Maturity and other terms (other than any previously called for redemption) and (2) may apply as a credit Securities of a series with the same issue date, interest rate, Stated Maturity and other terms which have been redeemed, either at the election of the Company pursuant to the terms of such Securities or through the application of permitted optional sinking fund payments pursuant to the terms of such Securities, in each case in satisfaction of all or any part of any mandatory sinking fund payment with respect to the Securities of such series with the same issue date, interest rate, Stated Maturity and other terms; *provided* that such Securities have not been previously so credited. Such Securities shall be received and credited for such purpose by the Trustee at the Redemption Price specified in such Securities for redemption through operation of the sinking fund and the amount of such sinking fund payment shall be reduced accordingly.

Section 1203. Redemption of Securities for Sinking Fund.

Not less than 60 days (or such shorter period as shall be acceptable to the Trustee) prior to each sinking fund payment date for any series of Securities, the Company will deliver to the Trustee an Officer's Certificate specifying the amount of the next ensuing sinking fund payment for that series pursuant to the terms of that series, the portion thereof, if any, which is to be satisfied by payment of cash and the portion thereof, if any, which is to be satisfied by delivering and crediting Securities of that series pursuant to Section 1202, and will also deliver to the Trustee any Securities to be so delivered. Not less than 30 days before each such sinking fund payment date, the Trustee shall select the Securities to be redeemed upon such sinking fund payment date in the manner specified in Section 1103 and cause notice of the redemption thereof to be given in the name of and at the expense of the Company in the manner provided in Section 1104. Such notice having been duly given, the redemption of such Securities shall be made upon the terms and in the manner stated in Sections 1106 and 1107.

ARTICLE THIRTEEN

Meetings of Holders of Securities

Section 1301. Purposes for Which Meetings May Be Called.

A meeting of Holders of Securities of any series may be called at any time and from time to time pursuant to this Article to make, give or take any request, demand, authorization, direction, notice, consent, waiver or other action provided by this Indenture to be made, given or taken by Holders of Securities of such series.

Section 1302. Call, Notice and Place of Meetings.

(a) The Trustee may at any time call a meeting of Holders of Securities of any series for any purpose specified in Section 1301, to be held at such time and at such place in the Borough of Manhattan, The City of New York, or, with the approval of the Company, at any other place. Notice of every meeting of Holders of Securities of any series, setting forth the time and the place of such meeting and in general terms the action proposed to be taken at such meeting, shall be given, in the manner provided in Section 106, not less than 20 nor more than 180 days prior to the date fixed for the meeting.

(b) In case at any time the Company or the Holders of at least 10% in principal amount of the Outstanding Securities of any series shall have requested the Trustee to call a meeting of the Holders of Securities of such series for any purpose specified in Section 1301, by written request setting forth in reasonable detail the action proposed to be taken at the meeting, and the Trustee shall not have made the first publication of the notice of such meeting within 20 days after receipt of such request or shall not thereafter proceed to cause the meeting to be held as provided herein, then the Company or the Holders of Securities of such series in the amount above specified, as the case may be, may determine the time and the place, as shall be determined and approved by the Company, for such meeting and may call such meeting for such purposes by giving notice thereof as provided in Subsection (a) of this Section.

Section 1303. Persons Entitled to Vote at Meetings.

To be entitled to vote at any meeting of Holders of Securities of any series, a Person shall be (1) a Holder of one or more Outstanding Securities of such series or (2) a Person appointed by an instrument in writing as proxy for a Holder or Holders of one or more Outstanding Securities of such series by such Holder or Holders. The only Persons who shall be entitled to be present or to speak at any meeting of Holders of Securities of any series shall be the Persons entitled to vote at such meeting and their counsel, any representatives of the Trustee and its counsel and any representatives of the Company and its counsel.

Section 1304. Quorum; Action.

The Persons entitled to vote a majority in principal amount of the Outstanding Securities of a series shall constitute a quorum for a meeting of Holders of Securities of such series; *provided, however*, that if any action is to be taken at such meeting with respect to a consent or waiver which this Indenture expressly provides may be given by the Holders of a specified percentage, which is less than a majority, in principal amount of the Outstanding Securities of a series, the Persons entitled to vote such lesser percentage in principal amount of the Outstanding Securities of such series shall constitute a quorum. In the absence of a quorum within 30 minutes of the time appointed for any such meeting, the meeting shall, if convened at the request of Holders of Securities of such series, be dissolved. In any other case, the meeting may be adjourned for a period determined by the chairman of the meeting prior to the adjournment of such meeting. In the absence of a quorum at any such adjourned meeting, such adjourned meeting may be further adjourned for a period determined by the chairman of the meeting prior to the adjournment of such adjourned meeting. Notice of the reconvening of any adjourned meeting shall be given as provided in Section 1302(a), except that such notice need be given only once not less than five days prior to the date on which the meeting is scheduled to be reconvened. Notice of the reconvening of an adjourned meeting shall state expressly the percentage, as provided above, of the principal amount of the Outstanding Securities of such series which shall constitute a quorum.

Except as limited by the proviso to Section 902, any resolution presented to a meeting or adjourned meeting duly reconvened at which a quorum is present, as aforesaid, may be adopted by the affirmative vote of the Holders of a majority in principal amount of the Outstanding Securities of that series; *provided, however*, that, except as limited by the proviso to Section 902, any resolution with respect to any request, demand, authorization, direction, notice, consent, waiver or other action which this Indenture expressly provides may be made, given or taken by the Holders of a specified percentage, which is less than a majority, in principal amount of the Outstanding Securities of a series may be adopted at a meeting or an adjourned meeting duly reconvened and at which a quorum is present, as aforesaid, by the affirmative vote of the Holders of such specified percentage in principal amount of the Outstanding Securities of that series.

Any resolution passed or decision taken at any meeting of Holders of Securities of any series duly held in accordance with this Section shall be binding on all the Holders of Securities of such series, whether or not present or represented at the meeting.

Section 1305. Determination of Voting Rights; Conduct and Adjournment of Meetings.

(a) Notwithstanding any other provisions of this Indenture, the Trustee may make such reasonable regulations as it may deem advisable for any meeting of Holders of Securities of a series in regard to proof of the holding of Securities of such series and of the appointment of proxies and in regard to the appointment and duties of inspectors of votes, the submission and examination of proxies, certificates and other evidence of the right to vote, and such other matters concerning the conduct of the meeting as it shall deem appropriate. Such regulations may provide that written instruments appointing proxies, regular on their face, may be presumed valid and genuine without the proof specified in Section 104 or other proof.

(b) The Trustee shall, by an instrument in writing, appoint a temporary chairman of the meeting, unless the meeting shall have been called by the Company or by Holders of Securities as provided in Section 1302(b), in which case the Company or the Holders of Securities of the series calling the meeting, as the case may be, shall in like manner appoint a temporary chairman. A permanent chairman and a permanent secretary of the meeting shall be elected by vote of the Persons entitled to vote a majority in principal amount of the Outstanding Securities of such series represented at the meeting.

(c) At any meeting each Holder of a Security of such series or proxy shall be entitled to one vote for each \$1,000 principal amount of the Outstanding Securities of such series held or represented by him; *provided, however*, that no vote shall be cast or counted at any meeting in respect to any Security challenged as not Outstanding and ruled by the chairman of the meeting to be not Outstanding. The chairman of the meeting shall have no right to vote, except as a Holder of a Security of such series or proxy.

(d) Any meeting of Holders of Securities of any series duly called pursuant to Section 1302 at which a quorum is present may be adjourned from time to time by Persons entitled to vote a majority in principal amount of the Outstanding Securities of such series represented at the meeting; and the meeting may be held as so adjourned without further notice.

Section 1306. Counting Votes and Recording Action of Meetings.

The vote upon any resolution submitted to any meeting of Holders of Securities of any series shall be by written ballots on which shall be subscribed signatures of the Holders of Securities of such series or of their representatives by proxy and the principal amounts and serial numbers of the Outstanding Securities of such series held or represented by them. The permanent chairman of the meeting shall appoint two inspectors of votes, who shall count all votes cast at the meeting for or against any resolution and who shall make and file with the secretary of the meeting their verified written reports in duplicate of all votes cast at the meeting. A record, at least in duplicate, of the proceedings of each meeting of Holders of Securities of any series shall be prepared by the secretary of the meeting, and there shall be attached to said record the original reports of the inspectors of votes on any vote by ballot taken thereat and affidavits, signed by one or more persons having knowledge of the facts, setting forth a copy of the notice of the meeting and showing that said notice was given as provided in Section 1302 and, if applicable, Section 1304. Each copy shall be signed and verified by the affidavits of the permanent chairman and secretary of the meeting and one such copy shall be delivered to the Company and another to the Trustee, to be preserved by the Trustee, the latter to have attached thereto the ballots voted at the meeting. Any record so signed and verified shall be conclusive evidence of the matters therein stated.

In Witness Whereof, the parties hereto have caused this Indenture to be duly executed as of the day and year first above written.

ANTERO RESOURCES CORPORATION

By: /s/ Brendan E. Krueger

Name: Brendan E. Krueger

Title: Chief Financial Officer and Senior Vice President – Finance and Treasurer

COMPUTERSHARE TRUST COMPANY, N.A.,

TRUSTEE

By: /s/ Scott Little

Name: Scott Little

Title: Vice President

Signature Page to the Indenture

ANTERO RESOURCES CORPORATION

AS ISSUER

and

COMPUTERSHARE TRUST COMPANY, N.A.

AS TRUSTEE

FIRST SUPPLEMENTAL INDENTURE

Dated as of January 28, 2026

to

Indenture dated as of January 28, 2026

5.400% Senior Notes due 2036

THIS FIRST SUPPLEMENTAL INDENTURE, dated as of January 28, 2026 (this “First Supplemental Indenture”), is between Antero Resources Corporation, a Delaware corporation (the “Company”), and Computershare Trust Company, N.A., a national banking association, as trustee (the “Trustee”).

RECITALS:

WHEREAS, the Company has heretofore entered into an Indenture, dated as of January 28, 2026 (the “Base Indenture”), with the Trustee, providing for the issuance by the Company from time to time of its unsecured debentures, notes, or other evidences of indebtedness, in one or more series unlimited as to principal amount (the “Securities”); and

WHEREAS, the Base Indenture, as supplemented by the First Supplemental Indenture and as further amended and supplemented from time to time, shall be referred to herein as the “Indenture”; and

WHEREAS, the Company has duly authorized and desires to cause to be issued pursuant to the Indenture, a new series of Securities to be designated as the “5.400% Senior Notes due 2036” (the “Notes”), having terms as set forth in this First Supplemental Indenture; and

WHEREAS, the Company desires to cause the issuance of the Notes pursuant to Sections 301, 303, 901 and 903 of the Base Indenture, which sections permit the execution of indentures supplemental thereto to establish the form and terms of Securities; and

WHEREAS, the Company has requested that the Trustee join in the execution of this First Supplemental Indenture to establish the form and terms of the Notes; and

WHEREAS, all things necessary have been done to make the Notes, when issued and executed by the Company and authenticated and delivered under the Indenture, the valid obligations of the Company, and to make this First Supplemental Indenture a valid agreement of the Company, enforceable in accordance with the terms hereof;

NOW, THEREFORE, the Company and the Trustee hereby agree that the following provisions shall amend and supplement the Base Indenture, but only in relation to the Notes to the extent specified herein, and not to any other series of Securities that are or may be issued under the Base Indenture:

Article I
THE NOTES

Section 1.1 *Form.*

The Notes and the related Trustee’s certificate of authentication shall be substantially in the form thereof set forth in Exhibit A to this First Supplemental Indenture, with such appropriate insertions, omissions, substitutions and other variations as are required or permitted by the Indenture, and may have such letters, numbers or other marks of identification and such legends or endorsements placed thereon as the Company may deem appropriate or as may be required or appropriate to comply with any laws or with any rules made pursuant thereto or with the rules of any securities exchange or automated quotation system on which such Notes may be listed or traded, or to conform to general usage, or as may, consistently with the Indenture, be determined by the officers executing such Notes, as evidenced by their execution thereof.

Exhibit A is hereby incorporated into this First Supplemental Indenture. The terms and provisions contained in the Notes shall constitute, and are hereby expressly made, a part of this First Supplemental Indenture, and to the extent applicable, the Company and the Trustee, by their execution and delivery of this First Supplemental Indenture, expressly agree to such terms and provisions and to be bound thereby. However, to the extent any provision of any Note conflicts with the express provisions of this First Supplemental Indenture, the provisions of this First Supplemental Indenture shall govern and be controlling.

The Notes shall be issued upon original issuance in whole in the form of one or more global Securities (“Global Notes”) as provided in the Base Indenture. Each Global Note shall represent such aggregate principal amount of the Outstanding Notes as shall be specified therein and shall provide that it shall represent the aggregate principal amount of Outstanding Notes from time to time endorsed thereon and that the aggregate principal amount of Outstanding Notes represented thereby may from time to time be reduced or increased, as appropriate, to reflect exchanges and redemptions. Any endorsement of a Global Note to reflect the aggregate principal amount, or any increase or decrease in the aggregate principal amount, of Outstanding Notes represented thereby shall be made by the Trustee in accordance with written instructions, or such other form of instructions as is customary for the Depositary, from the Depositary or its nominee on behalf of any Person having a beneficial interest in the Global Note. The Company initially appoints The Depositary Trust Company to act as Depositary with respect to the Global Notes.

The transfer and exchange of beneficial interests in the Global Notes will be effected through the Depositary, in accordance with its rules and procedures.

Section 1.2 *Title, Amount, Maturity Date and Interest.*

There are hereby established the Notes as a new series of Securities to be issued under the Indenture, designated as the “5.400% Senior Notes due 2036”.

The Trustee shall initially authenticate and deliver for original issue on the date hereof Notes in an initial aggregate principal amount of \$750,000,000, upon delivery to the Trustee of a Company Order for the authentication and delivery of such Notes.

The aggregate principal amount of the Notes that may be authenticated and delivered pursuant to the Indenture is unlimited. The aggregate principal amount of the Notes to be issued under the Indenture may be increased at any time, and the Notes may be reopened for issuances of additional Notes, upon a Company Order, without the consent of any Holder and without any further supplement or amendment to the Indenture; *provided* that if such additional Notes are not fungible with the Notes issued on the date of this First Supplemental Indenture for U.S. federal income tax purposes, such additional Notes shall have a separate CUSIP number. Each such Company Order for the issuance of additional Notes shall specify the principal amount of the Notes to be authenticated, the date on which the additional Notes are to be authenticated, and the name or names of the initial Holder or Holders thereof. The Notes issued on the date of this First Supplemental Indenture and any additional Notes that may be issued after such date shall be part of the same series of Securities for all purposes under the Indenture.

The Notes shall mature on February 1, 2036 (the “Maturity Date”).

The rate at which the Notes shall bear interest, the date from which such interest shall accrue, the dates on which interest shall be payable and the Regular Record Date for interest payable on any Interest Payment Date, in each case, shall be as set forth in the form of the Notes attached as Exhibit A to this First Supplemental Indenture. All payments of principal of, premium, if any, and interest due on any Notes represented by Global Notes on any Interest Payment Date or on the Maturity Date, will be made available to the Trustee by 11:00 a.m., New York City time, on such date, unless such date falls on a day that is not a Business Day, in which case such payments will be made available to the Trustee by 11:00 a.m., New York City time, on the next Business Day. As soon as practicable thereafter, the Trustee will make such payments to the Depository.

Section 1.3 *Security Registrar and Paying Agent.*

The Company initially appoints the Trustee as Security Registrar and Paying Agent with respect to the Notes. The office or agency where Notes may be presented for registration of transfer or exchange and the Place of Payment for the Notes shall initially be the Corporate Trust Office of the Trustee.

Article II
REDEMPTION

Section 2.1 *Optional Redemption.*

(1) At its option at any time prior to the Maturity Date, the Company may redeem all or any portion of the Notes, at once or from time to time, in accordance with the provisions of Section 7 on the reverse of the form of the Notes in Exhibit A hereto.

(2) Any redemption pursuant to this Section 2.1 shall otherwise be made in accordance with the provisions of Article Eleven of the Base Indenture.

Section 2.2 *Special Mandatory Redemption.*

(1) If (i) the closing of the HG Acquisition has not occurred on or prior to the later of (x) June 2, 2026 and (y) such date to which the outside date under the Purchase Agreement as in effect on the date of this First Supplemental Indenture may be extended in accordance with the terms thereof (such later date, the “Special Mandatory Redemption Outside Date”), (ii) prior to the Special Mandatory Redemption Outside Date, the Purchase Agreement is terminated according to its terms without the closing of the HG Acquisition, or (iii) the Company determines based on its reasonable judgment (in which case it will notify the Trustee in writing thereof) that the HG Acquisition will not close prior to the Special Mandatory Redemption Outside Date or at all (any event in clause (i), (ii) or (iii), a “Special Mandatory Redemption Event”), the Company will be required to redeem all of the outstanding Notes at a redemption price equal to 101% of the principal amount of the Notes, plus accrued and unpaid interest, if any, to but excluding the Special Mandatory Redemption Date (as defined below) (the “Special Mandatory Redemption Price”) (such redemption, a “Special Mandatory Redemption”).

(2) Upon the occurrence of a Special Mandatory Redemption Event, the Company will promptly (but in no event later than 10 Business Days following such Special Mandatory Redemption Event) cause notice to be delivered electronically or mailed to each Holder of the Notes at its registered address (such date of notification to the Holders, the “redemption notice date”). The notice will inform Holders that the Notes will be redeemed on the fifth Business Day following the redemption notice date (the “Special Mandatory Redemption Date”) and that all of the outstanding Notes to be redeemed will be redeemed at the Special Mandatory Redemption Price on the Special Mandatory Redemption Date automatically and without any further action by the Holders of the Notes. No later than 10:00 a.m., New York City time, on the Special Mandatory Redemption Date, the Company will deposit with the Trustee funds sufficient to pay the Special Mandatory Redemption Price. If such deposit is made as provided above, the Notes to be redeemed will cease to bear interest on and after the Special Mandatory Redemption Date.

(3) Except as provided above, any redemption pursuant to this Section 2.2 shall be made in accordance with the provisions of Article Eleven of the Base Indenture.

Article III MISCELLANEOUS PROVISIONS

Section 3.1 *Definitions.*

All capitalized terms used herein and not otherwise defined below shall have the meanings ascribed thereto in the Base Indenture. The following are additional definitions used in this First Supplemental Indenture:

“HG Acquisition” means the acquisition by the Company of 100% of the issued and outstanding equity interests of HG Energy II Production Holdings, LLC, a Delaware limited liability company (“HG Production”), from HG Energy II LLC, a Delaware limited liability company (“Seller”), pursuant to the Purchase Agreement.

“Purchase Agreement” means the Membership Interest Purchase Agreement, dated as of December 5, 2025, by and among Antero Midstream Partners LP, the Company, Seller, HG Production and HG Energy II Midstream Holdings, LLC, as amended, supplemented or otherwise modified from time to time.

Section 3.2 *Ratification and Incorporation of Indenture.*

As supplemented hereby, the Base Indenture is in all respects ratified and confirmed by the Company, and the Base Indenture and this First Supplemental Indenture shall be read, taken and construed as one and the same instrument. Capitalized terms used herein for which no definition is provided herein shall have the meaning set forth in the Base Indenture.

Section 3.3 *Table of Contents, Headings, etc.*

The table of contents and headings of the Articles and Sections of this First Supplemental Indenture have been inserted for convenience of reference only, are not to be considered a part hereof and shall in no way modify or restrict any of the terms or provisions hereof.

Section 3.4 *Counterpart Originals.*

This First Supplemental Indenture shall be valid, binding, and enforceable against a party only when executed and delivered by an authorized individual on behalf of the party by means of (i) any electronic signature permitted by the federal Electronic Signatures in Global and National Commerce Act, state enactments of the Uniform Electronic Transactions Act, and/or any other relevant electronic signatures law, including relevant provisions of the Uniform Commercial Code (collectively, “Signature Law”); (ii) an original manual signature; or (iii) a faxed, scanned, or photocopied manual signature. Each electronic signature or faxed, scanned, or photocopied manual signature shall for all purposes have the same validity, legal effect, and admissibility in evidence as an original manual signature. Each party hereto shall be entitled to conclusively rely upon, and shall have no liability with respect to, any faxed, scanned, or photocopied manual signature, or other electronic signature, of any party and shall have no duty to investigate, confirm or otherwise verify the validity or authenticity thereof. This First Supplemental Indenture may be executed in any number of counterparts, each of which shall be deemed to be an original, but such counterparts shall, together, constitute one and the same instrument. For avoidance of doubt, original manual signatures shall be used for execution or indorsement of writings when required under the Uniform Commercial Code or other Signature Law due to the character or intended character of the writings.

Section 3.5 *Governing Law.*

THIS FIRST SUPPLEMENTAL INDENTURE AND THE NOTES SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NEW YORK.

Section 3.6 *Waiver of Jury Trial.*

EACH OF THE COMPANY AND THE TRUSTEE HEREBY IRREVOCABLY WAIVES, TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, ANY AND ALL RIGHT TO TRIAL BY JURY IN ANY LEGAL PROCEEDING ARISING OUT OF OR RELATING TO THIS FIRST SUPPLEMENTAL INDENTURE, THE INDENTURE, THE NOTES OR THE TRANSACTIONS CONTEMPLATED HEREBY OR THEREBY.

Section 3.7 *U.S.A. PATRIOT Act.*

The parties hereto acknowledge that in accordance with Section 326 of the U.S.A. PATRIOT Act, the Trustee is required to obtain, verify, and record information that identifies each person or legal entity that establishes a relationship or opens an account with the Trustee. The parties to this First Supplemental Indenture agree that they shall provide the Trustee with such information as it may reasonably request in order for the Trustee to satisfy the requirements of the U.S.A. PATRIOT Act.

Section 3.8 *Severability.*

In case any provision in this First Supplemental Indenture or the Notes is invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions will not in any way be affected or impaired thereby.

Section 3.9 *Certain Trustee Matters.*

The recitals and statements contained herein shall be taken as the statements of the Company, and the Trustee assumes no responsibility for their correctness. The Trustee makes no representations as to the validity or sufficiency of this First Supplemental Indenture or the Notes or the proper authorization or the due execution hereof or thereof by the Company. The Trustee shall not be accountable for the use or application by the Company of the Notes or the proceeds thereof.

[Signature Pages Follow]

IN WITNESS WHEREOF, the parties hereto have caused this First Supplemental Indenture to be duly executed as of the date first written above.

ANTERO RESOURCES CORPORATION

By: /s/ Brendan E. Krueger

Name: Brendan E. Krueger

Title: Chief Financial Officer and Senior Vice President – Finance and Treasurer

[Signature Page to the First Supplemental Indenture]

COMPUTERSHARE TRUST COMPANY, N.A.,
as Trustee

By: /s/ Scott Little

Name: Scott Little

Title: Vice President

[Signature Page to the First Supplemental Indenture]

FORM OF NOTE

[FACE OF NOTE]

[THIS GLOBAL NOTE IS HELD BY THE DEPOSITARY (AS DEFINED IN THE INDENTURE GOVERNING THIS NOTE) OR ITS NOMINEE IN CUSTODY FOR THE BENEFIT OF THE BENEFICIAL OWNERS HEREOF, AND IS NOT TRANSFERABLE TO ANY PERSON UNDER ANY CIRCUMSTANCES EXCEPT THAT (1) THIS GLOBAL NOTE MAY BE DELIVERED TO THE TRUSTEE FOR CANCELLATION PURSUANT TO SECTION 309 OF THE BASE INDENTURE AND (2) THIS GLOBAL NOTE MAY BE TRANSFERRED TO A SUCCESSOR DEPOSITARY WITH THE PRIOR WRITTEN CONSENT OF THE COMPANY.

UNLESS AND UNTIL IT IS EXCHANGED IN WHOLE OR IN PART FOR NOTES IN DEFINITIVE FORM, THIS NOTE MAY NOT BE TRANSFERRED EXCEPT AS A WHOLE BY THE DEPOSITARY TO A NOMINEE OF THE DEPOSITARY OR BY A NOMINEE OF THE DEPOSITARY TO THE DEPOSITARY OR ANOTHER NOMINEE OF THE DEPOSITARY OR BY THE DEPOSITARY OR ANY SUCH NOMINEE TO A SUCCESSOR DEPOSITARY OR A NOMINEE OF SUCH SUCCESSOR DEPOSITARY. UNLESS THIS CERTIFICATE IS PRESENTED BY AN AUTHORIZED REPRESENTATIVE OF THE DEPOSITORY TRUST COMPANY (55 WATER STREET, NEW YORK, NEW YORK) ("DTC"), TO THE COMPANY OR ITS AGENT FOR REGISTRATION OF TRANSFER, EXCHANGE OR PAYMENT, AND ANY CERTIFICATE ISSUED IS REGISTERED IN THE NAME OF CEDE & CO. OR SUCH OTHER NAME AS MAY BE REQUESTED BY AN AUTHORIZED REPRESENTATIVE OF DTC (AND ANY PAYMENT IS MADE TO CEDE & CO. OR SUCH OTHER ENTITY AS MAY BE REQUESTED BY AN AUTHORIZED REPRESENTATIVE OF DTC), ANY TRANSFER, PLEDGE OR OTHER USE HEREOF FOR VALUE OR OTHERWISE BY OR TO ANY PERSON IS WRONGFUL INASMUCH AS THE REGISTERED OWNER HEREOF, CEDE & CO., HAS AN INTEREST HEREIN.]*

* To be included in a Global Note only.

ANTERO RESOURCES CORPORATION

5.400% SENIOR NOTE DUE 2036

No. _____

\$ _____

CUSIP No. 03674X AU0

ISIN US03674XAU00

ANTERO RESOURCES CORPORATION, a Delaware corporation (the “Company,” which term includes any successor Person under the Indenture hereinafter referred to), for value received promises to pay to [Cede & Co.]* or registered assigns, the principal sum of _____ Dollars [,or such greater or lesser amount as indicated on the Schedule of Increases or Decreases in Global Note,]* on February 1, 2036.

Interest Payment Dates: February 1 and August 1

Regular Record Dates: January 15 and July 15

Reference is hereby made to the further provisions of this Note set forth on the reverse hereof, which further provisions shall for all purposes have the same effect as if set forth at this place.

* To be included in a Global Note only.

IN WITNESS WHEREOF, the Company has caused this instrument to be duly executed by its duly authorized officers.

ANTERO RESOURCES CORPORATION

By: _____
Name:
Title:

TRUSTEE'S CERTIFICATE OF AUTHENTICATION:

This is one of the Securities of the series designated therein referred to in the within-mentioned Indenture.

Dated: _____

COMPUTERSHARE TRUST COMPANY, N.A.,
as Trustee

By: _____
Name:
Title:

[REVERSE OF NOTE]
ANTERO RESOURCES CORPORATION

5.400% SENIOR NOTE DUE 2036

This Note is one of a duly authorized series of Securities of ANTERO RESOURCES CORPORATION, a Delaware corporation (the “Company”), issued under the Indenture hereinafter referred to and designated pursuant thereto as 5.400% Senior Notes due 2036 (herein, the “Notes”) of the Company.

1. *Interest.*

The Company promises to pay interest on the principal amount of this Note at the rate of 5.400% per annum. The Company will pay interest semiannually in arrears on February 1 and August 1 of each year, beginning [August 1, 2026] (each an “Interest Payment Date”), and on the Maturity Date of the Notes, or if any such day is not a Business Day, on the next succeeding Business Day. Interest on the Notes will accrue from the most recent Interest Payment Date on which interest has been paid [or, if no interest has been paid, from the date of issuance]; *provided*, that if there is no existing Default in the payment of, or provisions for, interest, and if this Note is authenticated between a Regular Record Date referred to on the face hereof (whether or not a Business Day) and the next succeeding Interest Payment Date, interest shall accrue from such next succeeding Interest Payment Date. The interest so payable, and punctually paid or provided for, on any Interest Payment Date will, as provided in the Indenture, be paid to the Person in whose name this Note (or one or more Predecessor Securities) is registered at the close of business on the Regular Record Date for such interest as set forth on the face hereof; provided, however, that interest payable on the Maturity Date of this Note will be payable to the Person to whom the principal hereof shall be payable. Interest will be computed on the basis of a 360-day year of twelve 30-day months. If any payment date with respect to the Notes falls on a day that is not a Business Day, the payment will be made on the next Business Day, and no interest will accrue on the amount of interest due on that payment date for the period from and after the Interest Payment Date, Maturity Date, or Redemption Date to the date of payment.

2. *Method of Payment.*

Payment of the principal of (and premium, if any) and interest on this Note will be made at the office or agency of the Company maintained for that purpose or at such other offices or agencies maintained for such purpose as the Company may from time to time and in accordance with the Indenture designate, in such coin or currency of the United States of America as at the time of payment is legal tender for payment of public and private debts; provided, however, that (i) payments in respect of a Global Note will be made by wire transfer of immediately available funds to the accounts specified by the Depositary, and (ii) payments in respect of Notes in definitive form may, at the option of the Company, be made by check mailed to the Holders on the relevant record date at their addresses set forth in the register of Holders maintained by the Registrar or at the option of the Holder, payment of interest on Notes in definitive form will be made by wire transfer of immediately available funds to any account maintained in the United States, provided such Holder has requested such method of payment and provided timely wire transfer instructions to the Paying Agent. The Holder must surrender this Security to a Paying Agent to collect payment of principal.

3. *Paying Agent and Security Registrar.*

Initially, Computershare Trust Company, N.A. will, at its Corporate Trust Office, act as the Company's office or agency where the Securities may be presented or surrendered for payment, where the Securities may be surrendered for registration of transfer or exchange and where notices and demands to or upon the Company in respect of the Securities and the Indenture may be served; provided the Corporate Trust Office of the Trustee shall not be an office or agency of the Company for the purpose of effecting service of legal process on the Company. The Corporate Trust Office is currently located at Computershare Trust Company, N.A., Corporate Trust Services, 1505 Energy Park Drive, St. Paul, MN 55108.

4. *Indenture.*

Reference is made hereby to (i) the Indenture, dated as of January 28, 2026 (the "Base Indenture"), between the Company as issuer and Computershare Trust Company, N.A., as trustee (the "Trustee") and (ii) the First Supplemental Indenture thereto, dated as of January 28, 2026 (the "First Supplemental Indenture"), between the Company and the Trustee, providing for the issuance of the Notes and certain other series of Securities. The Base Indenture, as amended and supplemented by the First Supplemental Indenture, and as may be further duly amended and supplemented with respect to the Notes in accordance with the terms thereof, is referred to herein as the "Indenture." The terms of the Notes include those stated in the Indenture (including terms defined therein, which terms when used but not defined herein, unless the context requires otherwise, shall have the meanings assigned to such terms in the Indenture) and those made part of the Indenture by reference to the Trust Indenture Act of 1939, as amended (the "TIA"), as in effect on the date of execution of the Indenture. The Notes are subject to all such terms, and Holders are referred to the Indenture and the TIA for a statement of such terms.

The Notes are unsecured general obligations of the Company initially limited to \$750,000,000 in aggregate principal amount; provided, however, that the authorized aggregate principal amount of the Notes may be increased above such amount as provided in the Indenture. The Indenture provides for the issuance of other series of debentures, notes and other evidences of indebtedness (including the Notes, the "Securities") thereunder.

5. *Denominations; Transfer; Exchange.*

The Notes are to be issued in registered form, without coupons, in minimum denominations of \$2,000 and integral multiples of \$1,000 in excess thereof. A Holder may register the transfer of, or exchange, Notes in accordance with the Indenture. The Security Registrar may require a Holder, among other things, to furnish appropriate endorsements and transfer documents and to pay any taxes or other governmental charges and fees required by law or permitted by the Indenture. The Company hereby irrevocably undertakes to the Holder hereof to exchange this Note in accordance with the terms of the Indenture without service charge.

6. *Person Deemed Owner.*

The registered Holder of a Note may be treated as the owner of such Note for all purposes.

7. *Optional Redemption.*

The Notes are redeemable, in whole or in part, at the option of the Company at any time or from time to time prior to the Maturity Date, as provided below.

Prior to November 1, 2035 (the “Par Call Date”), the Company may redeem the Notes, in whole or in part, at any time and from time to time, at a Redemption Price (expressed as a percentage of principal amount and rounded to three decimal places) equal to the greater of:

(1) (a) the sum of the present values of the remaining scheduled payments of principal and interest thereon discounted to the Redemption Date (assuming the Notes matured on the Par Call Date) on a semi-annual basis (assuming a 360-day year consisting of twelve 30-day months) at the Treasury Rate plus 20 basis points, less (b) interest accrued to the Redemption Date, and

(2) 100% of the principal amount of the Notes to be redeemed,

plus, in each case, accrued and unpaid interest thereon to, but excluding, the Redemption Date.

On or after the Par Call Date, the Company may redeem the Notes at its option, in whole or in part, at any time and from time to time, at a Redemption Price equal to 100% of the principal amount of the Notes to be redeemed plus accrued and unpaid interest thereon to, but excluding, the Redemption Date. In each case, the redemption is subject to the right of Holders of record on the relevant Regular Record Date to receive interest due on an Interest Payment Date that is on or before the Redemption Date.

“Treasury Rate” means, with respect to any Redemption Date for the Notes, the yield determined by the Company in accordance with the following two paragraphs.

The Treasury Rate shall be determined by the Company after 4:15 p.m., New York City time (or after such time as yields on U.S. government securities are posted daily by the Board of Governors of the Federal Reserve System), on the third Business Day preceding the Redemption Date based upon the yield or yields for the most recent day that appear after such time on such day in the most recent statistical release published by the Board of Governors of the Federal Reserve System designated as “Selected Interest Rates (Daily)—H.15” (or any successor designation or publication) (“H.15”) under the caption “U.S. government securities—Treasury constant maturities—Nominal” (or any successor caption or heading) (“H.15 TCM”). In determining the Treasury Rate, the Company shall select, as applicable: (1) the yield for the Treasury constant maturity on H.15 exactly equal to the period from the Redemption Date to the Par Call Date (the “Remaining Life”); or (2) if there is no such Treasury constant maturity on H.15 exactly equal to the Remaining Life, the two yields – one yield corresponding to the Treasury constant maturity on H.15 immediately shorter than the Remaining Life and one yield corresponding to the Treasury constant maturity on H.15 immediately longer than the Remaining Life – and shall interpolate to the Par Call Date on a straight-line basis (using the actual number of days) using such yields and rounding the result to three decimal places; or (3) if there is no such Treasury constant maturity on H.15 shorter than or longer than the Remaining Life, the yield for the single Treasury constant maturity on H.15 closest to the Remaining Life. For purposes of this paragraph, the applicable Treasury constant maturity or maturities on H.15 shall be deemed to have a maturity date equal to the relevant number of months or years, as applicable, of such Treasury constant maturity from the Redemption Date.

If on the third Business Day preceding the Redemption Date H.15 TCM is no longer published, the Company shall calculate the Treasury Rate based on the rate per annum equal to the semi-annual equivalent yield to maturity at 11:00 a.m., New York City time, on the second Business Day preceding such Redemption Date of the United States Treasury security maturing on, or with a maturity that is closest to, the Par Call Date. If there is no United States Treasury security maturing on the Par Call Date but there are two or more United States Treasury securities with a maturity date equally distant from the Par Call Date, one with a maturity date preceding the Par Call Date and one with a maturity date following the Par Call Date, the Company shall select the United States Treasury security with a maturity date preceding the Par Call Date. If there are two or more United States Treasury securities maturing on the Par Call Date or two or more United States Treasury securities meeting the criteria of the preceding sentence, the Company shall select from among these two or more United States Treasury securities the United States Treasury security that is trading closest to par based upon the average of the bid and asked prices for such United States Treasury securities at 11:00 a.m., New York City time. In determining the Treasury Rate in accordance with the terms of this paragraph, the semi-annual yield to maturity of the applicable United States Treasury security shall be based upon the average of the bid and asked prices (expressed as a percentage of principal amount) at 11:00 a.m., New York City time, of such United States Treasury security, and rounded to three decimal places. The Company will, prior to the Redemption Date, file with the trustee an Officers' Certificate setting forth the Treasury Rate. The Trustee shall have no duty or obligation to determine the Treasury Rate or the Redemption Price or to verify the Company's calculation of the Treasury Rate or the Redemption Price.

Any such redemption may, at the discretion of the Company, be conditioned upon the closing of another transaction, including a sale of securities or other financing, in each case as specified in the notice in reasonable detail. A notice of conditional redemption will be of no effect unless all conditions to the redemption have occurred on or before the Redemption Date or have been waived by the Company on or before the Redemption Date. The Company will provide notice of the satisfaction of all conditions as soon as practicable following occurrence of the conditions. The Company will provide written notice of a delay or rescission of such notice of redemption (and rescission and cancellation of the redemption of the Notes) to the Trustee no later than 11:00 a.m., New York City time, on the Redemption Date. Upon receipt of such notice of delay of such Redemption Date or rescission of such notice of redemption, such Redemption Date shall be automatically delayed or such notice of redemption shall be automatically rescinded, as applicable, and the redemption of the Notes shall be automatically delayed or rescinded and cancelled, as applicable, as provided in such notice.

The Company will mail or deliver a notice of redemption at least 10 days but not more than 60 days before the Redemption Date to each Holder of the Notes to be redeemed. If the Company elects to partially redeem the Notes, the Trustee will select the Notes to be redeemed in accordance with the provisions of Section 1107 of the Base Indenture.

Unless the Company defaults in payment of the Redemption Price, on and after the Redemption Date, interest will cease to accrue on the Notes or portions thereof called for redemption.

8. *Mandatory Redemption.*

The Company may be required to redeem all outstanding Notes upon the occurrence of a Special Mandatory Redemption Event, as described in Section 2.2 of the First Supplemental Indenture. The Company is not otherwise required to make mandatory redemption or sinking fund payments with respect to the Notes. The Company may acquire the Notes by means other than a redemption, whether pursuant to a tender offer, open market purchase or otherwise.

9. *Amendment; Supplement; Waiver.*

Subject to certain exceptions and limitations set forth in the Indenture, the Indenture may be supplemented with the consent of the Holders of not less than a majority in aggregate principal amount of the Outstanding Securities of each series affected by such supplemental indenture, and any past default under the Indenture with respect to the Notes, and its consequences, may be waived by the Holders of not less than a majority in aggregate principal amount of the Outstanding Notes in accordance with the terms of the Indenture. Without the consent of any Holder, the Company and the Trustee may supplement the Indenture for certain purposes, as provided in the Indenture.

A supplemental indenture that changes or eliminates any covenant or other provision of the Indenture which has expressly been included solely for the benefit of one or more particular series of Securities under the Indenture, or which modifies the rights of the Holders of Securities of such series with respect to such covenant or other provision, shall be deemed not to affect the rights under the Indenture of the Holders of Securities of any other series.

10. *Defaults and Remedies.*

If any Event of Default with respect to the Notes at any time outstanding occurs and is continuing, either the Trustee or the Holders of at least 25% in aggregate principal amount of the then Outstanding Notes may declare the principal amount of, and accrued and unpaid interest, if any, on, all of the Notes to be due and payable immediately. At any time after a declaration or occurrence of acceleration with respect to the Notes has been made, but before a judgment or decree based on such acceleration has been obtained, the Holders of at least 25% in aggregate principal amount of the then Outstanding Notes may, under certain circumstances, waive an Event of Default giving rise to such declaration of acceleration, whereupon such declaration and its consequences shall be deemed to have been rescinded and annulled.

Holders may not enforce the Indenture or the Notes except as provided in the Indenture. The Trustee may require indemnity satisfactory to it before it enforces the Indenture or the Notes. Subject to certain limitations, Holders of a majority in aggregate principal amount of the then Outstanding Notes may direct the Trustee in its exercise of any trust or power with respect to the Notes. However, the Trustee may refuse to follow any direction that conflicts with law or the Indenture or that the Trustee determines is unduly prejudicial to the rights of other Holders (it being understood that the Trustee does not have an affirmative duty to ascertain whether not any such direction unduly prejudices the rights of such Holders) or involves the Trustee in personal liability; *provided, however*, that the Trustee may take any other action deemed proper by the Trustee that is not inconsistent with such direction. The Trustee may withhold from Holders notice of any continuing default (except a default in payment of principal, premium (if any) or interest) if in good faith it determines that withholding notice is in their interests. The Company must furnish an annual compliance certificate to the Trustee.

11. *Discharge Prior to Maturity.*

The Indenture shall be satisfied and discharged and the Notes canceled upon the payment of all Notes and, as provided in Article Four of the Base Indenture, shall be satisfied and discharged except for certain obligations upon the irrevocable deposit with the Trustee of funds sufficient for such payment.

12. *Trustee Dealings with Company.*

The Trustee under the Indenture, in its individual or any other capacity, may make loans to, accept deposits from, and perform services for the Company or its Affiliates or any subsidiary of the Company's Affiliates, and may otherwise deal with the Company or its Affiliates as if it were not the Trustee.

13. *Authentication.*

This Note shall not be valid until authenticated by the manual signature of an authorized signer of the Trustee.

14. *CUSIP Numbers.*

Pursuant to a recommendation promulgated by the Committee on Uniform Security Identification Procedures, the Company has caused CUSIP numbers to be printed on the Notes as a convenience to the Holders of the Notes. No representation is made as to the correctness of such numbers as printed on the Notes and reliance may be placed only on the other identification numbers printed thereon.

ABBREVIATIONS

The following abbreviations, when used in the inscription on the face of this instrument, shall be construed as though they were written out in full according to applicable laws or regulations:

TEN COM – as tenants in common

UNIF GIFT MIN ACT – _____
(Cust.)

TEN ENT – as tenants by entireties

Custodian for: _____
(Minor)

JT TEN – as joint tenants with right of
survivorship and not as tenants in common

under Uniform Gifts to

Minors Act of _____
(State)

Additional abbreviations may also be used though not in the above list.

ASSIGNMENT

FOR VALUE RECEIVED, the undersigned hereby sell(s), assign(s) and transfer(s) unto

PLEASE INSERT SOCIAL SECURITY OR OTHER
IDENTIFYING NUMBER OF ASSIGNEE

Please print or type name and address including postal zip code of assignee

the within Note and all rights thereunder, hereby irrevocably constituting and appointing

to transfer said Note on the books of the Company, with full power of substitution in the premises.

Dated

Signature of Registered Holder

Signature Guarantee:

Participant in a recognized Signature Guarantee Medallion Program (or other signature guarantor acceptable to the Trustee).

**SCHEDULE OF INCREASES OR DECREASES
IN GLOBAL NOTE***

The following increases or decreases in the principal amount of this Global Note have been made:

Date of Change	Amount of Decrease in Principal Amount of this Global Note	Amount of Increase in Principal Amount of this Global Note	Principal Amount of this Global Note following such Decrease (or Increase)	Signature of Authorized Signatory of Trustee or Depository
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* To be included in a Global Note only.



January 28, 2026

Antero Resources Corporation
1615 Wynkoop Street
Denver, Colorado 80202

Ladies and Gentlemen:

We have acted as counsel for Antero Resources Corporation, a Delaware corporation (the “**Company**”), with respect to certain legal matters in connection with the registration by the Company under the Securities Act of 1933 (the “**Securities Act**”) of the offer and sale by the Company of \$750,000,000 aggregate principal amount of 5.400% Senior Notes due 2036 (the “**Notes**”), pursuant to the Underwriting Agreement, dated January 13, 2026, by and among the Company and the representatives of the several underwriters named therein (the “**Underwriting Agreement**”).

The Notes are being offered and sold pursuant to a prospectus supplement dated January 13, 2026, filed with the Securities and Exchange Commission (the “**Commission**”) pursuant to Rule 424(b) on January 15, 2026, to the prospectus dated January 12, 2026 (as amended and supplemented by the prospectus supplement, the “**Prospectus**”), that constitutes a part of the Company’s Registration Statement on Form S-3 (Registration No. 333-292670), filed with the Commission on January 12, 2026 (the “**Registration Statement**”), which Registration Statement became effective upon filing. The Notes will be issued under the Indenture, dated as of January 28, 2026 (the “**Base Indenture**”), by and between the Company and Computershare Trust Company, N.A., as trustee (the “**Trustee**”), as supplemented by the First Supplemental Indenture, dated as of January 28, 2026, between the Company and the Trustee (the “**First Supplemental Indenture**,” and, together with the Base Indenture, the “**Indenture**”).

In connection with the opinions expressed herein, we have examined, among other things, (i) the Amended and Restated Certificate of Incorporation and the Third Amended and Restated Bylaws of the Company, (ii) the Registration Statement, including the Prospectus, (iii) the Indenture, (iv) certain resolutions adopted by the Board of Directors of the Company, (v) certain resolutions adopted by the Pricing Committee of the Board of Directors of the Company, and (vi) such other certificates, instruments and documents as we considered appropriate for purposes of the opinions hereafter expressed. In addition, we reviewed such questions of law as we have deemed necessary or considered appropriate.

As to matters of fact relevant to the opinions expressed herein, and as to factual matters arising in connection with our examination of corporate documents, records and other documents and writings, we have relied upon certificates and other communications of corporate officers of the Company, without further investigation as to the facts set forth therein.

Vinson & Elkins LLP Attorneys at Law
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New York Richmond San Francisco Tokyo Washington

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In connection with rendering the opinions set forth below, we have assumed that (i) all information contained in all documents reviewed by us is true and correct; (ii) all signatures on all documents examined by us are genuine; (iii) all documents submitted to us as originals are authentic and all documents submitted to us as copies conform to the originals of those documents; (iv) each person signing the documents that we reviewed has the legal capacity and authority to do so; (v) the Registration Statement and any subsequent amendments (including additional post-effective amendments), will be effective and comply with all applicable laws; (vi) all Notes will be issued and sold in compliance with applicable federal and state securities laws and in the manner specified in the Prospectus and the Registration Statement; (vii) the Indenture was duly authorized, executed, and delivered by the parties thereto in substantially the form reviewed by us; and (viii) the Underwriting Agreement has been duly authorized and validly executed and delivered by the Company and the other parties thereto.

Based on the foregoing, and subject to the assumptions, qualifications, limitations, and exceptions set forth herein, we are of the opinion that when the Notes have been duly authenticated and delivered in accordance with the Indenture and issued and sold as contemplated in the Registration Statement and the Prospectus and upon payment of the consideration for such Notes as provided for in the Underwriting Agreement, the Notes will have been legally issued and will constitute valid and legally binding obligations of the Company, enforceable against the Company in accordance with their terms, except as such enforcement is subject to any applicable bankruptcy, insolvency (including, without limitation, all laws relating to fraudulent transfers), reorganization, moratorium and similar laws relating to or affecting creditors' rights generally and to general equitable principles (regardless of whether enforcement is sought in a proceeding in equity or at law).

We express no opinions concerning (a) the validity or enforceability of any provisions contained in the Indenture that purport to waive or not give effect to rights to notices, defenses, subrogation or other rights or benefits that cannot be effectively waived under applicable law or (b) the enforceability of indemnification provisions to the extent they purport to relate to liabilities resulting from or based upon negligence or any violation of federal or state securities or blue sky laws.

The foregoing opinions are limited to the laws of the States of Delaware and New York, the Delaware General Corporation Law (including the applicable provisions of the Delaware Constitution and the reported judicial decisions interpreting these laws) and the federal laws of the United States of America, and we are expressing no opinion as to the effect of the laws of any other jurisdiction, domestic or foreign.

The opinions expressed herein are given as of the date hereof, and we assume no obligation to update or supplement such opinions after the date hereof.



We hereby consent to the filing of this opinion as Exhibit 5.1 to the Current Report on Form 8-K dated the date hereof and incorporated by reference into the Registration Statement and to the use of our name in the Prospectus under the caption “Legal Matters.” In giving this consent, we do not admit that we are within the category of persons whose consent is required under Section 7 of the Securities Act and the rules and regulations thereunder.

Very truly yours,

/s/ Vinson & Elkins L.L.P.

Vinson & Elkins L.L.P.
