

ANTERO RESOURCES Corp
Form S-4/A
February 02, 2016

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[TABLE OF CONTENTS](#)

[Table of Contents](#)

As filed with the Securities and Exchange Commission on February 2, 2016

Registration No. 333-208639

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

Amendment No. 1
to

Form S-4

REGISTRATION STATEMENT
UNDER
THE SECURITIES ACT OF 1933

ANTERO RESOURCES CORPORATION*

(Exact Name of Registrant as Specified in Its Charter)

Delaware
(State or Other Jurisdiction of
Incorporation or Organization)

1311
(Primary Standard Industrial
Classification Code Number)
1615 Wynkoop Street
Denver, Colorado 80202
(303) 357-7310

80-0162034
(I.R.S. Employer
Identification Number)

(Address, Including Zip Code, and Telephone Number, Including Area Code, of Registrant's Principal Executive Offices)

Glen C. Warren, Jr.
President, Chief Financial Officer and Secretary
1615 Wynkoop Street
Denver, Colorado 80202
(303) 357-7310

(Name, Address, Including Zip Code, and Telephone Number, Including Area Code, of Agent For Service)

Copies to:

W. Matthew Strock
Vinson & Elkins L.L.P.
1001 Fannin, Suite 2500
Houston, Texas 77002-6760
(713) 758-2222

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**Approximate date of commencement of proposed sale of the securities to the public:
As soon as practicable after the effective date of this Registration Statement.**

If the securities being registered on this Form are being offered in connection with the formation of a holding company and there is compliance with General Instruction G, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer," and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer Accelerated filer Non-accelerated filer Smaller reporting company

(Do not check if a
smaller reporting company)

If applicable, place an X in the box to designate the appropriate rule provision relied upon in conducting this transaction:

Exchange Act Rule 13e-4(i) (Cross-Border Issue Tender Offer)

Exchange Act Rule 14d-1(d) (Cross-Border Third-Party Tender Offer)

Each registrant hereby amends this Registration Statement on such date or dates as may be necessary to delay its effective date until the registrants shall file a further amendment which specifically states that this registration statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933 or until the Registration Statement shall become effective on such date as the Securities and Exchange Commission, acting pursuant to said Section 8(a), may determine.

*TABLE OF ADDITIONAL REGISTRANT GUARANTORS

| Exact Name of Registrant Guarantors(1) | State or Other Jurisdiction of Incorporation or Formation | IRS Employer Identification Number |
|--|---|------------------------------------|
| AR OHIO LLC | Delaware | 47-2260793 |
| Monroe Pipeline LLC | Delaware | 46-0608234 |

(1) The address for each of the Registrant Guarantors is 1615 Wynkoop Street, Denver, Colorado 80202, and the telephone number for each of the Registrant Guarantors is (303) 357-7310. The Primary Industrial Classification Code for AR OHIO LLC is 1311. The Primary Industrial Classification Code for Monroe Pipeline LLC is 4922.

Table of Contents

The information in this prospectus may change. We may not complete the Exchange Offer and issue these securities until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities and we are not soliciting offers to buy these securities in any state where the offer or sale is not permitted.

SUBJECT TO COMPLETION, DATED FEBRUARY 2, 2016

PROSPECTUS

Antero Resources Corporation

**Offer to Exchange
Up to \$750,000,000 of
5.625% Senior Notes due 2023
That Have Not Been Registered Under the Securities Act,
which are referred to as the "old notes,"
for
Up to \$750,000,000 of
5.625% Senior Notes due 2023
That Have Been Registered Under the Securities Act,
which are referred to as the "new notes"**

Terms of the New 5.625% Senior Notes due 2023 Offered in the Exchange Offer:

The terms of the new notes are substantially identical to the terms of the old notes that were issued on March 17, 2015, except that the new notes have been registered under the Securities Act of 1933, as amended (the "Securities Act"), and will not contain restrictions on transfer, registration rights or provisions for additional interest.

Terms of the Exchange Offer:

We are offering to exchange up to \$750,000,000 of our old notes for an equal principal amount of new notes with substantially identical terms that have been registered under the Securities Act and are freely tradable.

We will exchange old notes that are validly tendered and not validly withdrawn before the Exchange Offer expires for an equal principal amount of new notes.

The Expiration Date for the Exchange Offer is 11:59 p.m., New York City time, on _____, 2016, unless extended.

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Tenders of old notes may be withdrawn at any time prior to the expiration of the Exchange Offer.

The exchange of new notes for old notes will not be a taxable event for U.S. federal income tax purposes.

We will not receive any proceeds from the Exchange Offer.

You should carefully consider the risks set forth under "Risk Factors" beginning on page 7 of this prospectus before participating in the Exchange Offer.

Each broker-dealer that receives new notes for its own account pursuant to the Exchange Offer must acknowledge that it will deliver a prospectus in connection with any resale of such new notes. This prospectus, as it may be amended or supplemented from time to time, may be used by a broker-dealer in connection with resales of new notes received in exchange for old notes where such old notes were acquired by such broker-dealer as a result of market-making activities or other trading activities. Please read "Plan of Distribution."

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

The date of this prospectus is _____, 2016

Table of Contents

TABLE OF CONTENTS

| | |
|--|------------|
| <u>ABOUT THIS PROSPECTUS</u> | <u>ii</u> |
| <u>PROSPECTUS SUMMARY</u> | <u>1</u> |
| <u>RISK FACTORS</u> | <u>7</u> |
| <u>USE OF PROCEEDS</u> | <u>16</u> |
| <u>RATIO OF EARNINGS TO FIXED CHARGES</u> | <u>17</u> |
| <u>THE EXCHANGE OFFER</u> | <u>18</u> |
| <u>DESCRIPTION OF NOTES</u> | <u>26</u> |
| <u>BOOK ENTRY, DELIVERY AND FORM</u> | <u>88</u> |
| <u>CERTAIN UNITED STATES FEDERAL INCOME TAX CONSEQUENCES</u> | <u>91</u> |
| <u>PLAN OF DISTRIBUTION</u> | <u>92</u> |
| <u>LEGAL MATTERS</u> | <u>94</u> |
| <u>EXPERTS</u> | <u>94</u> |
| <u>WHERE YOU CAN FIND MORE INFORMATION</u> | <u>95</u> |
| <u>ANNEX A: LETTER OF TRANSMITTAL</u> | <u>A-1</u> |

This prospectus incorporates by reference business and financial information about us that is not included in or delivered with this prospectus. We will provide to each person, including any beneficial owner to whom a prospectus is delivered, a copy of these filings, other than an exhibit to these filings unless we have specifically incorporated that exhibit by reference into the filing, upon written or oral request and at no cost. Requests should be made by writing us at the following address: 1615 Wynkoop Street, Denver, Colorado 80202, or by calling (303) 357-7310. **To obtain timely delivery, you must request the information no later than , 2016.**

Table of Contents

ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement on Form S-4 that we have filed with the Securities and Exchange Commission (the "SEC"). This prospectus does not contain all of the information found in the registration statement. Before you decide to participate in the Exchange Offer, please review the full registration statement, including the information set forth under the heading the "Risk Factors" beginning on page 7 of this prospectus, the documents described under the heading "Where You Can Find More Information" in this prospectus, the exhibits to the registration statement and any additional information you may need to make your investment decision. You should rely only on the information contained in the registration statement, including this prospectus and the accompanying letter of transmittal. We have not authorized anyone to provide you with any other information and if anyone provides you with different or inconsistent information, you should not rely on it. You should not assume that the information contained in this prospectus is accurate as of any date other than the date as set forth on the front cover. Our business, financial condition and results of operations may have changed since that date. We will disclose any material changes to such in an amendment to this prospectus or a prospectus supplement.

We are not making an offer to sell these securities or soliciting an offer to buy these securities in any jurisdiction where an offer or solicitation is not authorized or in which the person making that offer or solicitation is not qualified to do so or to anyone to whom it is unlawful to make an offer or solicitation.

We are not making any representation to you regarding the legality of your participation in the Exchange Offer under applicable law. You should consult with your own legal advisors as to the legal, tax, business, financial and related aspects of participating in the Exchange Offer.

CERTAIN TERMS USED IN THIS PROSPECTUS

All references to "Antero," "we," "us" and "our" refer to Antero Resources Corporation, a Delaware corporation, unless otherwise indicated or the context otherwise requires.

CAUTIONARY STATEMENT REGARDING FORWARD-LOOKING STATEMENTS

The information in this prospectus, including the documents incorporated by reference herein, includes "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended (the "Securities Act"), and Section 21E of the Securities Exchange Act of 1934, as amended (the "Exchange Act"). All statements, other than statements of historical fact included in this prospectus, regarding our strategy, future operations, financial position, estimated revenues and losses, projected costs, prospects, plans and objectives of management are forward-looking statements. When used, the words "could," "believe," "anticipate," "intend," "estimate," "expect," "project" and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain such identifying words. These forward-looking statements are based on our current expectations and assumptions about future events and are based on currently available information as to the outcome and timing of future events. When considering forward-looking statements, you should keep in mind the risk factors and other cautionary statements described under the heading "Risk Factors" in this prospectus and in our Annual Report on Form 10-K for the year ended December 31, 2014, which is incorporated by reference herein. These forward-looking statements are based on management's current belief, based on currently available information, as to the outcome and timing of future events.

Forward-looking statements may include statements about our:

business strategy;

reserves;

Table of Contents

financial strategy, liquidity and capital required for our development program;

realized natural gas, natural gas liquids ("NGLs") and oil prices;

timing and amount of future production of natural gas, NGLs and oil;

hedging strategy and results;

ability to meet our minimum volume commitments to Antero Midstream Partners LP and to utilize or monetize our firm transportation commitments;

future drilling plans;

competition and government regulations;

pending legal or environmental matters;

marketing of natural gas, NGLs and oil;

leasehold or business acquisitions;

costs of developing our properties and conducting our midstream operations;

operations of Antero Midstream Partners LP;

general economic conditions;

credit markets;

uncertainty regarding our future operating results; and

plans, objectives, expectations and intentions.

We caution you that these forward-looking statements are subject to all of the risks and uncertainties, most of which are difficult to predict and many of which are beyond our control, incident to the exploration for and development, production, gathering, processing, transportation, and sale of natural gas, NGLs, and oil. These risks include, but are not limited to, commodity price volatility and continued low commodity prices, inflation, lack of availability of drilling and production equipment and services, environmental risks, drilling and other operating risks, marketing and transportation risks, regulatory changes, the uncertainty inherent in estimating natural gas, NGLs, and oil reserves and in projecting future rates of production, cash flow and access to capital, the timing of development expenditures, and the other risks described under the heading "Risk Factors" in this prospectus and in our Annual Report on Form 10-K for the year ended December 31, 2014 which is

incorporated by reference herein.

Reserve engineering is a process of estimating underground accumulations of natural gas, NGLs, and oil that cannot be measured in an exact way. The accuracy of any reserve estimate depends on the quality of available data, the interpretation of such data and price and cost assumptions made by reservoir engineers. In addition, the results of drilling, testing and production activities, or changes in commodity prices, may justify revisions of estimates that were made previously. If significant, such revisions would change the schedule of any further production and development drilling. Accordingly, reserve estimates may differ significantly from the quantities of natural gas, NGLs, and oil that are ultimately recovered.

Should one or more of the risks or uncertainties described or incorporated by reference in this prospectus occur, or should underlying assumptions prove incorrect, our actual results and plans could differ materially from those expressed in any forward-looking statements.

All forward-looking statements, expressed or implied, included in this prospectus are expressly qualified in their entirety by this cautionary statement. This cautionary statement should also be

Table of Contents

considered in connection with any subsequent written or oral forward-looking statements that we or persons acting on our behalf may issue.

Except as otherwise required by applicable law, we disclaim any duty to update any forward-looking statements, all of which are expressly qualified by the statements in this section, to reflect events or circumstances after the date of this prospectus.

Table of Contents

PROSPECTUS SUMMARY

This summary highlights certain information about us and the Exchange Offer. You should carefully read the entire prospectus and the information incorporated by reference in this prospectus for a more complete understanding of our business and terms of the notes, as well as the tax and other considerations that are important to you, before making an investment decision. You should pay special attention to the "Risk Factors" section beginning on page 8 of this prospectus and the risk factors described under the heading "Risk Factors" included in Item 1A of Part I of our Annual Report on Form 10-K for the year ended December 31, 2014, which is incorporated by reference in this prospectus.

Our Company

Overview

We are an independent oil and natural gas company engaged in the exploitation, development and acquisition of natural gas, NGLs, and oil properties located in the Appalachian Basin.

For additional information regarding our company and our financial statements, see "Where You Can Find More Information."

Principal Executive Offices

Our principal executive offices are located at 1615 Wynkoop Street, Denver, Colorado 80202, and our telephone number is (303) 357-7310. Our website address is www.anteroresources.com. Except for information specifically incorporated by reference into this prospectus that may be accessed from our website, the information on our website is not part of this prospectus, and you should rely only on information contained or incorporated by reference in this prospectus when making a decision as to whether or not to tender your notes.

The Exchange Offer

The following summary contains basic information about the Exchange Offer and is not intended to be complete. For a more complete understanding of the Exchange Offer, please refer to the section entitled "The Exchange Offer" in this prospectus.

On March 17, 2015, we issued \$750 million in aggregate principal amount of 5.625% Senior Notes due 2023, which we refer to herein as the "old notes." Certain of our subsidiaries guaranteed the old notes. The old notes were issued, and the new notes will be issued, under the Indenture (as such term is defined herein).

At closing of the old notes offering on March 17, 2015, we and the subsidiary guarantors entered into a Registration Rights Agreement dated March 17, 2015 (the "Registration Rights Agreement") with the initial purchasers in the private offerings, pursuant to which all of us agreed to deliver to you this prospectus and use our commercially reasonable efforts to complete the Exchange Offer by March 17, 2016.

| | |
|-----------------|--|
| Exchange Offer | We are offering to exchange the new notes for the old notes. |
| Expiration Date | The Exchange Offer will expire at 11:59 p.m., New York City time, on _____, 2016, unless we decide to extend it (such date and time, as may be extended from time to time, the "Expiration Date"). |

Table of Contents

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| Condition to the Exchange Offer | <p>The Registration Rights Agreement does not require us to accept old notes for exchange if the exchange offer, or the making of any exchange by a holder of the old notes, would violate any applicable law or interpretation of the staff of the Securities and Exchange Commission.</p> <p>The Exchange Offer is conditioned upon the effectiveness of this registration statement and certain other customary conditions, as discussed in "The Exchange Offer Conditions to the Exchange Offer."</p> <p>The Exchange Offer is not conditioned on a minimum aggregate principal amount of old notes being tendered.</p> |
| Consequences If You Do Not Exchange Your Old Notes | <p>Old notes that are not tendered in the Exchange Offer or that are not accepted for exchange will continue to be subject to the restrictions on transfer described in the legend on your old notes. In general, you may only offer or sell the old notes if they are registered under the Securities Act and applicable state securities laws, or offered and sold under an exemption from these requirements. After the completion of the Exchange Offer, we will no longer have an obligation to register the old notes, except in limited circumstances as required by the Registration Rights Agreement. The tender of old notes under the Exchange Offer will reduce the principal amount of the currently outstanding old notes. The corresponding reduction in liquidity may have an adverse effect upon, and increase the volatility of, the market price of any old notes that you continue to hold following completion of the Exchange Offer.</p> <p>For more information, see "The Exchange Offer Consequences of Not Tendering."</p> |
| Procedures for Tendering Old Notes | <p>To participate in the Exchange Offer, you must follow the procedures established by The Depository Trust Company ("DTC") for tendering notes held in book-entry form. These procedures for using DTC's Automated Tender Offer Program ("ATOP") require that (i) the Exchange Agent receive, prior to the Expiration Date of the Exchange Offer, a computer-generated message known as an "agent's message" that is transmitted through DTC's automated tender offer program, and (ii) DTC confirms that:</p> <p>DTC has received your instructions to exchange your notes; and</p> <p>you agree to be bound by the terms of the letter of transmittal.</p> <p>For more information on tendering your old notes, see "The Exchange Offer Terms of the Exchange Offer" and "The Exchange Offer Procedures for Tendering."</p> |
| Guaranteed Delivery Procedures | <p>None.</p> |

Table of Contents

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| Withdrawal of Tenders | You may withdraw your tender of old notes at any time prior to the Expiration Date. Any withdrawn old notes will be credited to the tendering holder's account at DTC or, if the withdrawn old notes are held in certificated form, will be returned to the tendering holder. We will accept for exchange any and all old notes validly tendered and not validly withdrawn prior to 11:59 p.m., New York City time, on the Expiration Date. Please see "The Exchange Offer Withdrawal of Tenders." |
| Acceptance of Old Notes and Delivery of New Notes | If you fulfill all conditions required for proper acceptance of old notes, we will accept any and all old notes that you validly tender in the Exchange Offer before 11:59 p.m., New York City time, on the Expiration Date. We will return any old notes that we do not accept for exchange to you without expense promptly after the Expiration Date and acceptance of the old notes for exchange. Please refer to the section in this prospectus entitled "The Exchange Offer Terms of the Exchange Offer." |
| Fees and Expenses | We will bear expenses related to the Exchange Offer. Please see "The Exchange Offer Fees and Expenses." |
| Use of Proceeds | The issuance of the new notes will not provide us with any new proceeds. We are making the Exchange Offer solely to satisfy our obligations under the Registration Rights Agreement. |
| U.S. Federal Income Tax Consequences | The exchange of new notes for old notes in the Exchange Offer will not be a taxable event for U.S. federal income tax purposes. Please see "Certain United States Federal Income Tax Consequences." |
| Exchange Agent | We have appointed Wells Fargo Bank, National Association, as Exchange Agent for the Exchange Offer (the "Exchange Agent"). You should direct questions and requests for assistance and requests for additional copies of this prospectus or the letter of transmittal to the Exchange Agent addressed as follows: <i>By Registered & Certified Mail:</i> Wells Fargo Bank, N.A. Corporate Trust Operations MAC N9303-121 PO Box 1517 Minneapolis, Minnesota 55480 <i>By regular mail or overnight courier:</i> Wells Fargo Bank, N.A. Corporate Trust Operations MAC N9303-121 Sixth & Marquette Avenue Minneapolis, Minnesota 55479 |

Table of Contents

In person by hand only:
Wells Fargo Bank, N.A.
12th Floor Northstar East Building
Corporate Trust Operations
608 Second Avenue South
Minneapolis, Minnesota 55402
Eligible institutions may make requests by facsimile at (877) 407-4679 and may confirm facsimile delivery by calling (800) 344-5128.

Terms of the New Notes

The following summary contains basic information about the new notes and is not intended to be complete. For a more complete understanding of the new notes, please refer to the section entitled "Description of Notes" in this prospectus.

The new notes will be substantially identical to the old notes, except that the new notes have been registered under the Securities Act and will not have restrictions on transfer, registration rights or provisions for additional interest. The new notes will evidence the same debt as the old notes, and the same Indenture will govern the new notes and the old notes. We refer to the new notes and the old notes collectively as the "notes."

| | |
|------------------------|--|
| Issuer | Antero Resources Corporation |
| Notes Offered | \$750,000,000 aggregate principal amount of 5.625% Senior Notes due 2023. |
| Maturity Date | June 1, 2023. |
| Interest Rate | 5.625% |
| Interest Payment Dates | Interest on the new notes will be payable semi-annually in arrears on June 1 and December 1 of each year with the initial interest date being June 1, 2016. Interest will accrue on the new notes from December 1, 2015. |
| Ranking | The new notes, like the old notes, will be our general senior unsecured obligations and: |

will rank equally in right of payment with all of our other senior indebtedness (including our credit facility and our existing senior notes); and

will rank senior in right of payment to any of our future subordinated indebtedness. The guarantees of the new notes will be the guarantors' general senior unsecured obligations and will rank equally in right of payment with all of the other senior indebtedness of the guarantors.

The new notes and guarantees will effectively rank junior in right of payment to all of our and the guarantors' existing and future secured indebtedness, including guarantees under our credit facility, to the extent of the value of the collateral securing such indebtedness.

Table of Contents

| | |
|------------------------------|--|
| Guarantees | <p>The new notes and guarantees will be structurally subordinated to any liabilities (including trade payables) of our non-guarantor subsidiaries.</p> <p>The payment of the principal, premium and interest on the notes is currently fully and unconditionally guaranteed on a senior unsecured basis by all of our wholly owned subsidiaries. Any wholly owned domestic subsidiary of ours formed after the issue date of the old notes and any domestic subsidiary of ours that guarantees any of our indebtedness or the indebtedness of any subsidiary guarantor (in each case, other than an immaterial subsidiary) will also guarantee the notes. See "Description of Notes Guarantees."</p> |
| Optional Redemption | <p>We have the option to redeem the notes, in whole or in part, at any time on or after June 1, 2018, in each case at the redemption prices described herein under the heading "Description of Notes Optional Redemption."</p> <p>In addition, on or prior to June 1, 2018, we may, from time to time, redeem up to 35% of the aggregate principal amount of the notes, but in an amount not greater than the net cash proceeds of certain equity offerings, at a redemption price equal to 105.625% of the principal amount of the notes, plus any accrued and unpaid interest to, but excluding, the date of such redemption.</p> <p>At any time prior to June 1, 2018, we may redeem the notes, in whole or in part, at a "make-whole" redemption price described under "Description of Notes Optional Redemption," together with any accrued and unpaid interest to, but excluding, the date of such redemption.</p> <p>If certain transactions that would constitute a change of control occur prior to June 1, 2016, we may redeem all, but not less than all, of the notes at a redemption price equal to 110% of the principal amount of the notes redeemed plus any accrued and unpaid interest to, but excluding, the date of such redemption.</p> |
| Mandatory Offers to Purchase | <p>Upon the occurrence of a change of control, holders of the notes may have the right to require us to repurchase all or a portion of the notes at a price equal to 101% of the aggregate principal amount of the notes, together with any accrued and unpaid interest to, but excluding, the date of purchase. In connection with certain asset dispositions, we will be required to use the net cash proceeds of the asset dispositions to make an offer to purchase the notes at 100% of the principal amount, together with any accrued and unpaid interest to, but excluding, the date of purchase.</p> |
| Certain Covenants | <p>The Indenture governing the notes, among other things, limits our ability and the ability of our restricted subsidiaries to:</p> |

incur, assume or guarantee additional indebtedness or issue preferred stock;

Table of Contents

pay dividends on equity securities, repurchase equity securities or redeem subordinated indebtedness;

issue certain preferred stock or similar equity securities;

make investments or other restricted payments;

create liens to secure indebtedness;

restrict dividends, loans or other asset transfers from our restricted subsidiaries;

sell or otherwise dispose of assets, including capital stock of subsidiaries;

enter into transactions with affiliates; and

consolidate with or merge with or into, or sell substantially all of our properties to, another person.

However, many of these covenants will terminate if:

both Standard & Poor's Ratings Services and Moody's Investors Service, Inc. assign the notes an investment grade rating; and

no default under the Indenture has occurred and is continuing.

These covenants are subject to important exceptions and qualifications, which are described under "Description of Notes Certain Covenants."

Transfer Restrictions; Absence of a Public Market for the New Notes

The new notes will be freely transferable but will be new securities for which there will not initially be a market. We do not intend to apply for a listing of the new notes on any securities exchange or any automated dealer quotation system. Accordingly, there can be no assurance as to the development or liquidity of any market for the new notes.

Risk Factors

In evaluating an investment in the new notes, investors should carefully consider, along with the other information in this prospectus, the specific factors relating to us and the Exchange Offer set forth under the section entitled "Risk Factors."

Table of Contents

RISK FACTORS

An investment in the new notes involves risks. You should carefully consider all of the information contained in this prospectus and the documents incorporated by reference as provided under "Where You Can Find More Information," including our Annual Report on Form 10-K for the year ended December 31, 2014. This prospectus and the documents incorporated by reference also contain forward-looking statements that involve risks and uncertainties. Please read "Cautionary Statement Regarding Forward-Looking Statements." Our actual results could differ materially from those anticipated in the forward-looking statements as a result of certain factors, including the risks described below, elsewhere in this prospectus and in the documents incorporated by reference. If any of these risks occur, our business, financial condition or results of operation could suffer. In addition to the other information set forth elsewhere in this prospectus, investors should carefully consider the following factors relating to the notes and the Exchange Offer before making an investment in the new notes.

Risks Related to the Notes and the Exchange Offer

If you do not properly tender your old notes, you will continue to hold unregistered old notes and your ability to transfer old notes will remain restricted and may be adversely affected.

We will only issue new notes in exchange for old notes that you timely and properly tender. Therefore, you should allow sufficient time to ensure timely delivery of the old notes and you should carefully follow the instructions on how to tender your old notes. Neither we nor the exchange agent is required to tell you of any defects or irregularities with respect to your tender of old notes.

If you do not exchange your old notes for new notes pursuant to the Exchange Offer, the old notes you hold will continue to be subject to the existing transfer restrictions. In general, you may not offer or sell the old notes except under an exemption from, or in a transaction not subject to, the Securities Act and applicable state securities laws. We do not plan to register old notes under the Securities Act unless the Registration Rights Agreement requires us to do so. Further, if you continue to hold any old notes after the Exchange Offer is consummated, you may have trouble selling them because there will be fewer of these notes outstanding.

Your ability to transfer the notes may be limited by the absence of an active trading market, and there is no assurance that any active trading market will develop for the new notes.

The old notes have not been registered under the Securities Act, and may not be resold by purchasers thereof unless the old notes are subsequently registered or an exemption from the registration requirements of the Securities Act is available. However, we cannot assure you that, even following registration or exchange of the old notes for new notes, that an active trading market for the old notes or the new notes will exist, and we will have no obligation to create such a market. At the time of the private placement of the old notes, the initial purchasers advised us that they intended to make a market in the old notes and, if issued, the new notes. The initial purchasers are not obligated, however, to make a market in the old notes or the new notes and any market-making may be discontinued at any time at their sole discretion. No assurance can be given as to the liquidity of or trading market for the old notes or the new notes.

The liquidity of any trading market for the notes and the market price quoted for the notes will depend upon the number of holders of the notes, the overall market for high yield securities, our financial performance or prospects or the prospects for companies in our industry generally, the interest of securities dealers in making a market in the notes and other factors.

Table of Contents

Our substantial indebtedness could adversely affect our financial condition and prevent us from fulfilling our obligations under the notes.

We have a significant amount of indebtedness. As of September 30, 2015, we and our guarantor subsidiaries had approximately \$3.9 billion in consolidated total indebtedness, including \$3.375 billion of senior notes and approximately \$500 million outstanding under our revolving credit facility. Additionally, we had approximately \$535 million of letters of credit outstanding under our credit facility. At September 30, 2015, our credit facility had a borrowing base of \$4.0 billion and lender commitments were \$4.0 billion. On October 26, 2015, the borrowing base was increased from \$4.0 billion to \$4.5 billion, and lender commitments remain at \$4.0 billion. Antero Midstream Partners LP, which will not guarantee the new notes, also had \$525 million outstanding under its credit facility as of September 30, 2015.

Subject to the limits contained in the credit agreement governing our credit facility, the indenture that governs the notes, the indentures that govern our other series of senior notes and our other debt instruments, we may be able to incur substantial additional debt from time to time to finance working capital, capital expenditures, investments or acquisitions, or for other purposes. If we do so, the risks related to our high level of debt could intensify. Specifically, our high level of debt could have important consequences to the holders of the notes, including:

making it more difficult for us to satisfy our obligations with respect to the notes and our other debt;

limiting our ability to obtain additional financing to fund future working capital, capital expenditures, acquisitions or other general corporate requirements;

requiring a substantial portion of our cash flows to be dedicated to debt service payments instead of other purposes, thereby reducing the amount of cash flows available for working capital, capital expenditures, acquisitions and other general corporate purposes;

increasing our vulnerability to general adverse economic and industry conditions;

exposing us to the risk of increased interest rates as certain of our borrowings, including borrowings under the credit facility, are at variable rates of interest;

limiting our flexibility in planning for and reacting to changes in the industry in which we compete;

placing us at a disadvantage compared to other, less leveraged competitors; and

increasing our cost of borrowing.

We may not be able to generate sufficient cash to service all of our indebtedness, including the notes, and may be forced to take other actions to satisfy our obligations under our indebtedness, which may not be successful.

Our ability to make scheduled payments on or to refinance our indebtedness obligations, including our revolving credit facility, our other series of senior notes and the notes depends on our financial condition and operating performance, which are subject to prevailing economic and competitive conditions and certain financial, business and other factors beyond our control. We may not be able to maintain a level of cash flows from operating activities sufficient to permit us to pay the principal, premium, if any, and interest on our indebtedness, including the notes.

If our cash flows and capital resources are insufficient to fund our debt service obligations, we may be forced to reduce or delay investments and capital expenditures, sell assets, seek additional capital or restructure or refinance our indebtedness, including the notes. Our ability to restructure or refinance our indebtedness will depend on the condition of the capital markets and our financial condition at such time. Any refinancing of our indebtedness could be at higher interest rates and may require us to

Table of Contents

comply with more onerous covenants, which could further restrict our business operations. The terms of existing or future debt instruments, including the indenture governing the notes and the indentures governing our other senior notes, may restrict us from adopting some of these alternatives. In addition, any failure to make payments of interest and principal on our outstanding indebtedness on a timely basis would likely result in a reduction of our credit rating, which could harm our ability to incur additional indebtedness. In the absence of sufficient cash flows and capital resources, we could face substantial liquidity problems and might be required to dispose of material assets or operations to meet our debt service and other obligations. Our revolving credit facility and the indenture governing the notes and the indenture governing our other senior notes currently restrict our ability to dispose of assets and our use of the proceeds from such disposition. We may not be able to consummate those dispositions, and the proceeds of any such disposition may not be adequate to meet any debt service obligations then due. These alternative measures may not be successful and may not permit us to meet our scheduled debt service obligations.

As of September 30, 2015, we and our guarantor subsidiaries had approximately \$3.9 billion in consolidated total indebtedness, including \$3.375 billion of senior notes and approximately \$500 million outstanding under our revolving credit facility. Additionally, we had approximately \$535 million of letters of credit outstanding under our credit facility. At September 30, 2015, our credit facility had a borrowing base of \$4.0 billion and lender commitments were \$4.0 billion. On October 26, 2015, the borrowing base was increased from \$4.0 billion to \$4.5 billion, and lender commitments remain at \$4.0 billion. Antero Midstream Partners LP, which will not guarantee the new notes, also had \$525 million outstanding under its credit facility as of September 30, 2015. Our next scheduled borrowing base redetermination is expected to occur in April 2016. In the future, we may not be able to access adequate funding under our revolving credit facility as a result of a decrease in our borrowing base due to the issuance of new indebtedness, the outcome of a subsequent semi-annual borrowing base redetermination or an unwillingness or inability on the part of our lending counterparties to meet their funding obligations and the inability of other lenders to provide additional funding to cover the defaulting lender's portion. Declines in commodity prices could result in a determination to lower the borrowing base in the future and, in such a case, we could be required to repay any indebtedness in excess of the redetermined borrowing base. As a result, we may be unable to implement our drilling and development plan, make acquisitions or otherwise carry out our business plan, which would have a material adverse effect on our financial condition and results of operations and impair our ability to service our indebtedness, including the notes.

If we are unable to comply with the restrictions and covenants in the agreements governing the notes, our other senior notes and other indebtedness, there could be a default under the terms of these agreements, which could result in an acceleration of payment of funds that we have borrowed and would impact our ability to make principal and interest payments on the notes.

If we are unable to comply with the restrictions and covenants in the indentures governing the notes and our other senior notes or in our credit facility, or in any future debt financing agreements, there could be a default under the terms of these agreements. Our ability to comply with these restrictions and covenants, including meeting financial ratios and tests, may be affected by events beyond our control. As a result, we cannot assure you that we will be able to comply with these restrictions and covenants or meet these tests. Any default under the agreements governing our indebtedness, including a default under our credit facility or the indenture governing the notes or the indentures governing our other senior notes, that is not waived by the requisite number of lenders and the remedies sought by the holders of such indebtedness, could prevent us from paying principal, premium, if any, and interest on the notes and substantially decrease the market value of the notes. If we are unable to generate sufficient cash flow and are otherwise unable to obtain funds necessary to meet required payments of principal, premium, if any, and interest on our indebtedness or if we otherwise fail to comply with the various covenants, including financial and operating covenants in the

Table of Contents

instruments governing our indebtedness (including covenants in our credit facility and in the indenture governing our existing senior notes), we could be in default under the terms of these agreements. In the event of such default:

the holders of such indebtedness could elect to declare all the funds borrowed thereunder to be immediately due and payable, together with any accrued and unpaid interest;

the lenders under our credit facility could elect to terminate their commitments thereunder, cease making further loans to us and institute foreclosure proceedings against our assets; and

we could be forced into bankruptcy or liquidation.

If our operating performance declines, in the future we may need to obtain waivers from the requisite number of lenders under our credit facility to avoid being in default. If we breach our covenants under our credit facility and seek a waiver, we may not be able to obtain a waiver from the required lenders on terms that are acceptable to us, if at all. If this occurs, we would be in default under our credit facility, and the lenders could exercise their rights, as described above, and we could be forced into bankruptcy or liquidation. See " Restrictions in our existing and future debt agreements could limit our growth and our ability to engage in certain activities."

The notes and the guarantees are unsecured and effectively subordinated to the rights of our secured indebtedness.

The notes and the guarantees are general unsecured senior obligations ranking effectively junior to all of our existing and future secured indebtedness, including our obligations under our credit facility, to the extent of the value of the collateral securing the indebtedness. If we were unable to repay such indebtedness under our credit facility, the lenders under the facility could foreclose on the pledged assets to the exclusion of holders of the notes, even if an event of default exists under the indenture that will govern the notes at such time. Furthermore, if the lenders foreclose and sell the pledged equity interests in any guarantor in a transaction permitted under the terms of the indenture that will govern the notes, then such guarantor will be released from its guarantee of the notes automatically and immediately upon such sale. In any such event, because the notes will not be secured by any of such assets or by the equity interests in any such guarantor, it is possible that there would be no assets from which your claims could be satisfied or, if any assets existed, they might be insufficient to satisfy your claims in full.

If we or any guarantor is declared bankrupt, becomes insolvent or is liquidated or reorganized, any of our secured indebtedness will be entitled to be paid in full from our assets or the assets of any guarantor securing that indebtedness before any payment may be made with respect to the notes or the affected guarantees. Holders of the notes will participate ratably in our remaining assets with all holders of any unsecured indebtedness that does not rank junior to the notes, based upon the respective amounts owed to each holder or creditor. In any of the foregoing events, there may not be sufficient assets to pay amounts due on the notes or the guarantees. As a result, holders of the notes would likely receive less, ratably, than holders of secured indebtedness.

As of September 30, 2015, we and our guarantor subsidiaries had approximately \$3.9 billion in consolidated total indebtedness, including \$3.375 billion of senior notes and approximately \$500 million outstanding under our revolving credit facility. Additionally, we had approximately \$535 million of letters of credit outstanding under our credit facility. At September 30, 2015, our credit facility had a borrowing base of \$4.0 billion and lender commitments were \$4.0 billion. On October 26, 2015, the borrowing base was increased from \$4.0 billion to \$4.5 billion, and lender commitments remain at \$4.0 billion. Antero Midstream Partners LP, which will not guarantee the new notes, also had \$525 million outstanding under its credit facility as of September 30, 2015.

Table of Contents

We may incur substantially more indebtedness, including indebtedness ranking equal to the notes and the guarantees. This could increase the risks associated with the notes.

Subject to the restrictions in the indenture that governs the notes, the indentures governing our other senior notes and our credit facility, we may incur substantial additional indebtedness (including secured indebtedness) in the future. Although the instruments governing our credit facility and the indentures governing our senior notes (including the indenture that governs the notes) each contain restrictions on the incurrence of additional indebtedness, these restrictions are subject to certain qualifications and exceptions, and indebtedness incurred in compliance with these restrictions could be substantial. These restrictions also will not prevent us from incurring obligations that do not constitute indebtedness.

If the issuer or any guarantor incurs any additional indebtedness that ranks equally with the notes (or with the guarantees thereof), including trade payables, the holders of that indebtedness will be entitled to share ratably with noteholders in any proceeds distributed in connection with any insolvency, liquidation, reorganization, dissolution or other winding-up of the issuer or such guarantor. This may have the effect of reducing the amount of proceeds paid to noteholders in connection with such a distribution. As of September 30, 2015, we and our guarantor subsidiaries had approximately \$3.9 billion in consolidated total indebtedness, including \$3.375 billion of senior notes and approximately \$500 million outstanding under our revolving credit facility. Additionally, we had approximately \$535 million of letters of credit outstanding under our credit facility. Our credit facility had a borrowing base of \$4.0 billion at September 30, 2015. On October 26, 2015, the borrowing base was increased from \$4.0 billion to \$4.5 billion. Antero Midstream Partners LP, which will not guarantee the new notes, also had \$525 million outstanding under its credit facility as of September 30, 2015.

Any increase in our level of indebtedness will have several important effects on our future operations, including, without limitation:

we will have additional cash requirements in order to support the payment of interest on our outstanding indebtedness;

increases in our outstanding indebtedness and leverage will increase our vulnerability to adverse changes in general economic and industry conditions, as well as to competitive pressure;

depending on the levels of our outstanding indebtedness, our ability to obtain additional financing for working capital, capital expenditures, general corporate and other purposes may be limited; and

our level of indebtedness may prevent us from engaging in certain transactions that might otherwise be beneficial to us.

Any of these factors could result in a material adverse effect on our business, financial condition, results of operations, business prospects and ability to satisfy our obligations under the notes.

The notes are structurally subordinated to all obligations of our current subsidiaries that do not guarantee, or future subsidiaries that do not become guarantors of, the notes.

The notes are guaranteed by all of our wholly owned subsidiaries, and in the future will be guaranteed by (a) any wholly owned domestic subsidiary of ours formed after the issue date of the new notes and (b) any domestic subsidiary of ours that guarantees any of our other indebtedness, or that of any other subsidiary guarantor (in each case, other than an immaterial subsidiary).

The subsidiaries that do not guarantee the notes, including Antero Midstream Partners LP and its subsidiaries, will have no obligation, contingent or otherwise, to pay amounts due under the notes or to make any funds available to pay those amounts, whether by dividend, distribution, loan or other payment. The notes are structurally subordinated to all indebtedness and other obligations of any

Table of Contents

non-guarantor subsidiary, including Antero Midstream Partners LP and its subsidiaries, such that in the event of insolvency, liquidation, reorganization, dissolution or other winding up of any subsidiary that is not a guarantor, all of that subsidiary's creditors (including trade creditors) would be entitled to payment in full out of that subsidiary's assets before we would be entitled to any payment.

In addition, the indenture that governs the notes, subject to some limitations, permits these non-guarantor subsidiaries to incur additional indebtedness and does not contain any limitation on the amount of other liabilities, such as trade payables, that may be incurred by these subsidiaries. Antero Midstream Partners LP has a revolving credit facility agreement that provides for lender commitments of \$1.5 billion. As of September 30, 2015, Antero Midstream Partners LP had outstanding borrowings under its credit facility of \$525 million.

Further, the subsidiaries that provide, or will provide, guarantees of the notes will be automatically released from those guarantees upon the occurrence of certain events, including the following:

the designation of that subsidiary guarantor as an unrestricted subsidiary;

the release or discharge of any guarantee or indebtedness that resulted in the creation of the guarantee of the notes by such subsidiary guarantor; or

the sale or other disposition, including the sale of substantially all the assets, of that subsidiary guarantor.

If any subsidiary guarantee is released, no holder of the notes will have a claim as a creditor against that subsidiary, and the indebtedness and other liabilities, including trade payables and preferred stock, if any, whether secured or unsecured, of that subsidiary will be structurally senior to the claim of any holders of the notes. See "Description of Notes Guarantees."

Restrictions in our existing and future debt agreements could limit our growth and our ability to engage in certain activities.

Our credit facility contains a number of significant restrictive covenants (in addition to covenants restricting the incurrence of additional indebtedness) that may limit our ability to, among other things:

sell assets;

make loans to others;

make investments;

enter into mergers;

make certain payments;

hedge future production;

incur liens; and

engage in certain other transactions without the prior consent of the lenders.

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The indentures governing our senior notes (including the indenture that governs the notes) contain similar restrictive covenants. In addition, our credit facility requires us to maintain certain financial ratios or to reduce our indebtedness if we are unable to comply with such ratios. These restrictions, together with those in the indentures governing our senior notes (including the indenture that governs the notes), may also limit our ability to obtain future financings to withstand a future downturn in our business or the economy in general, or to otherwise conduct necessary corporate activities. We may also be prevented from taking advantage of business opportunities that arise because of the limitations that the restrictive covenants under the indentures governing our senior notes (including the indenture that governs the notes) and our credit facility impose on us.

Table of Contents

Our credit facility limits the amounts we can borrow in the aggregate up to a borrowing base amount, which the lenders, in their sole discretion, determine on a semi-annual basis based upon projected revenues from the natural gas properties securing our loan. The lenders under our credit facility can unilaterally adjust the borrowing base and the borrowings permitted to be outstanding under the credit facility. Any increase in the borrowing base requires the consent of the lenders holding 100% of the commitments under the credit facility. If the requisite number of lenders do not agree to an increase, then the borrowing base will be the lowest borrowing base acceptable to such lenders. Outstanding borrowings in excess of the borrowing base must be repaid, or we must pledge other natural gas properties as additional collateral after applicable grace periods. We do not currently have any substantial unpledged properties, and we may not have the financial resources in the future to make mandatory principal prepayments required under our credit facility. On October 26, 2015, the borrowing base was increased from \$4.0 billion to \$4.5 billion, and lender commitments remain at \$4.0 billion. Our next scheduled borrowing base redetermination is expected to occur in April 2016.

A breach of any covenant in our credit facility would result in a default under that agreement after any applicable grace periods. A default, if not waived, could result in acceleration of the indebtedness outstanding under the facilities and in a default with respect to, and an acceleration of, the indebtedness outstanding under other debt agreements. The accelerated indebtedness would become immediately due and payable. If that occurs, we may not be able to make all of the required payments or borrow sufficient funds to refinance such indebtedness. Even if new financing were available at that time, it may not be on terms that are acceptable to us. See "Description of Notes Events of Default."

We may not be able to repurchase the notes in certain circumstances.

Under the terms of the indentures governing our senior notes (including the indenture that governs the notes), holders may require us to repurchase all or a portion of our outstanding senior notes (including the notes) if we sell certain assets or in the event of a change of control. We may not have enough funds to pay the repurchase price on a purchase date (in which case, we could be required to issue equity securities to pay the repurchase price). Additionally, under the credit facility, a change of control (as defined therein) constitutes an event of default that permits the lenders to accelerate the maturity of borrowings under the respective facility and terminate their commitments to lend. The source of funds for any purchase of our senior notes (including the notes) and repayment of borrowings under our credit facility would be our available cash or cash generated from our subsidiaries' operations or other sources, including borrowings, sales of assets or sales of equity. We may not be able to repurchase our outstanding senior notes (including the notes) upon a change of control because we may not have sufficient financial resources to purchase all of the debt securities that are tendered upon a change of control and repay our other indebtedness that will become due. We may require additional financing from third parties to fund any such purchases, and we may be unable to obtain financing on satisfactory terms or at all. Further, our ability to repurchase our outstanding senior notes (including the notes) may be limited by law. In order to avoid the obligations to repurchase our outstanding senior notes (including the notes) and events of default and potential breaches of the agreements governing our credit facility, we may have to avoid certain change of control transactions that would otherwise be beneficial to us.

In addition, some important corporate events, such as leveraged recapitalizations, may not, under the indentures governing our outstanding senior notes (including the indenture that governs the notes), constitute a "change of control" that would require us to repurchase our outstanding senior notes (including the notes), even though those corporate events could increase the level of our indebtedness or otherwise adversely affect our capital structure, credit ratings or the value of the notes. See "Description of Notes Change of Control."

One of the circumstances under which a change of control may occur is upon the sale or disposition of all or substantially all of our consolidated assets. However, the phrase "all or

Table of Contents

substantially all" will likely be interpreted under applicable state law and will be dependent upon particular facts and circumstances. As a result, there may be a degree of uncertainty in ascertaining whether a sale or disposition of "all or substantially all" of our consolidated assets has occurred, in which case, the ability of a holder of the notes to obtain the benefit of an offer to repurchase all or a portion of the notes held by such holder may be impaired.

The exercise by the holders of notes of their right to require us to repurchase the notes pursuant to a change of control offer could cause a default under the agreements governing our other indebtedness, including future agreements, even if the change of control itself does not, due to the financial effect of such repurchases on us. In the event a change of control offer is required to be made at a time when we are prohibited from purchasing notes, we could attempt to refinance the borrowings that contain such prohibitions. If we do not obtain a consent or repay those borrowings, we will remain prohibited from purchasing notes. In that case, our failure to purchase tendered notes would constitute an event of default under the indenture which could, in turn, constitute a default under our other indebtedness.

Any guarantees of the notes by our subsidiaries could be deemed fraudulent conveyances under certain circumstances, and a court may subordinate or void the guarantees.

The notes are currently guaranteed by our wholly owned subsidiaries, AR OHIO LLC and Monroe Pipeline LLC. In certain circumstances, any of our future subsidiaries may be required to guarantee the notes. A court could subordinate or void the guarantees under various fraudulent conveyance or fraudulent transfer laws. Generally, to the extent that a U.S. court were to find that at the time the guarantee was entered:

the guarantee was incurred with the intent to hinder, delay, or defraud any present or future creditor, or contemplated insolvency with a design to favor one or more creditors to the exclusion of others; or

the guarantor did not receive fair consideration or reasonably equivalent value for issuing the guarantee and, at the time the guarantor issued the guarantee, it:

was insolvent or became insolvent as a result of issuing the guarantee,

was engaged or about to engage in a business or transaction for which its remaining assets constituted unreasonably small capital, or intended to incur, or believed that it would incur, debts beyond its ability to pay those debts as they matured;

then the court would void or subordinate the guarantees in favor of the guarantor's other obligations.

As a general matter, value is given for a transfer or an obligation if, in exchange for the transfer or obligation, property is transferred or a valid antecedent debt is secured or satisfied. A court would likely find that a subsidiary guarantor did not receive reasonably equivalent value or fair consideration for its guarantee to the extent the guarantor did not obtain a reasonably equivalent benefit directly or indirectly from the issuance of the notes.

We cannot be certain as to the standards a court would use to determine whether or not we or the guarantors were insolvent at the relevant time or, regardless of the standard that a court uses, whether the notes or the guarantees would be subordinated to our or any of our guarantors' other debt. In general, however, a court would deem an entity insolvent if:

the sum of its debts, including contingent liabilities, was greater than the fair saleable value of all its assets;

Table of Contents

the present fair saleable value of its assets was less than the amount that would be required to pay its probable liability on its existing debts, including contingent liabilities, as they became absolute and mature; or

it could not pay its debts as they became due.

If a court were to find that the issuance of the notes or the incurrence of a guarantee was a fraudulent transfer or conveyance, the court could void the payment obligations under the notes or that guarantee, could subordinate the notes or that guarantee to presently existing and future indebtedness of ours or of the related guarantor or could require the holders of the notes to repay any amounts received with respect to that guarantee. In the event that a finding that a fraudulent transfer or conveyance occurred, you may not receive any repayment on the notes. Further, the avoidance of the notes could result in an event of default with respect to our and our subsidiaries' other debt that could result in acceleration of that debt. Finally, as a court of equity, the bankruptcy court may subordinate the claims in respect of the notes to other claims against us under the principle of equitable subordination if the court determines that (1) the holder of notes engaged in some type of inequitable conduct, (2) the inequitable conduct resulted in injury to our other creditors or conferred an unfair advantage upon the holders of notes and (3) equitable subordination is not inconsistent with the provisions of the bankruptcy code.

Each guarantee contains a provision intended to limit the guarantor's liability to the maximum amount that it could incur without causing the incurrence of obligations under its guarantee to be a fraudulent conveyance or fraudulent transfer. This provision may not be effective to protect the guarantees from being voided under applicable law.

A lowering or withdrawal of the ratings assigned to our debt securities by rating agencies may increase our future borrowing costs and reduce our access to capital.

Our debt currently has a non-investment grade rating, and any rating assigned to the notes could be lowered or withdrawn entirely by a rating agency if, in that rating agency's judgment, future circumstances relating to the basis of the rating, such as adverse changes, so warrant. Consequently, real or anticipated changes in our credit ratings will generally affect the market value of the notes. Credit ratings are not recommendations to purchase, hold or sell the notes. Additionally, credit ratings may not reflect the potential effect of risks relating to the structure or marketing of the notes.

Any future lowering of our ratings likely would make it more difficult or more expensive for us to obtain additional debt financing. If any credit rating initially assigned to the notes is subsequently lowered or withdrawn for any reason, you may not be able to resell your notes without a substantial discount.

Many of the covenants contained in the indenture governing the notes will terminate if the notes are rated investment grade by both Standard & Poor's Ratings Services and Moody's Investors Service, Inc.

Many of the covenants in the indenture governing the notes will terminate if the notes are rated investment grade by both Standard & Poor's Ratings Services and Moody's Investors Service, Inc., provided at such time no default under the indenture governing the notes has occurred and is continuing. These covenants restrict, among other things, our ability to pay dividends, to incur indebtedness and to enter into certain other transactions. There can be no assurance that the notes will ever be rated investment grade, or that if they are rated investment grade, that the notes will maintain such ratings. However, termination of these covenants would allow us to engage in certain transactions that would not be permitted while these covenants were in force. See "Description of Notes - Certain Covenants - Covenant Termination."

Table of Contents

USE OF PROCEEDS

The Exchange Offer is intended to satisfy our obligations under the Registration Rights Agreement. We will not receive any proceeds from the issuance of the new notes in the Exchange Offer. In consideration for issuing the new notes as contemplated by this prospectus, we will receive old notes in a like principal amount. The form and terms of the new notes are substantially identical in all respects to the form and terms of the old notes, except the new notes have been registered under the Securities Act and will not contain restrictions on transfer, registration rights or provisions for additional interest. Old notes surrendered in exchange for new notes will be retired and cancelled and will not be reissued. Accordingly, the issuance of the new notes will not result in any change in outstanding indebtedness.

Table of Contents

RATIO OF EARNINGS TO FIXED CHARGES

The following table sets forth our ratio of earnings to fixed charges for the periods indicated.

For purposes of computing the ratio of earnings to fixed charges, "earnings" consists of pretax income (loss) from continuing operations plus fixed charges. "Fixed charges" represents interest incurred, amortization of deferred debt offering costs and that portion of rental expense on operating leases deemed to be the equivalent of interest.

| | Nine Months Ended September 30, 2015 | 2014 | Year Ended December 31, | | | |
|------------------------------------|---|-------------|--------------------------------|-------------|-------------|-------|
| | | 2013 | 2012 | 2011 | 2010 | |
| Ratio of earnings to fixed charges | 8.40x | 7.83x | 2.18x | 4.54x | 7.11x | 1.02x |

Table of Contents

THE EXCHANGE OFFER

General

The old notes were originally sold in a private offering on March 17, 2015. Concurrently with the closing of the old notes offering on March 17, 2015, we and the then subsidiary guarantors entered into a Registration Rights Agreement with the initial purchasers of the old notes that required us to file a registration statement under the Securities Act with respect to the new notes and, upon the effectiveness of the registration statement, to offer to the holders of the old notes the opportunity to exchange their old notes for a like principal amount of new notes.

The Registration Rights Agreement provides that we must (a) use our commercially reasonable efforts to (i) cause to be filed the registration statement of which this prospectus is a part and complete the Exchange Offer by March 17, 2016 and (ii) to have such registration statement become and remain effective until 180 days after the last Exchange Date (as such term is defined in the Registration Rights Agreement) for use by one or more participating broker-dealers. The Exchange Offer shall commence promptly after the registration statement of which this prospectus is a part is declared effective by the SEC.

A copy of the Registration Rights Agreement has been incorporated by reference as an exhibit to the registration statement of which this prospectus is a part. Following the completion of the Exchange Offer, holders of old notes not tendered will not have any further registration rights other than as set forth in the paragraphs below, and the old notes will continue to be subject to certain restrictions on transfer.

Subject to certain conditions, including the representations set forth below, the new notes will be issued without a restrictive legend and generally may be reoffered and resold without registration under the Securities Act. In order to participate in the Exchange Offer, a holder must represent to us, among other things, that:

the new notes acquired pursuant to the Exchange Offer are being acquired in the ordinary course of business of the person receiving such new notes, whether or not such person is a holder;

neither such holder nor, to the knowledge of such holder, any other person receiving new notes from such holder has an arrangement or understanding with any person to participate in the distribution (within the meaning of the Securities Act) of the new notes in violation of the provisions of the Securities Act;

if the holder is not a broker-dealer, or is a broker-dealer but will not receive the new notes for its own account in exchange for the old notes, neither the holder nor, to the knowledge of such holder, any other person is engaged in or intends to participate in a distribution (within the meaning of the Securities Act) of the new notes in violation of the provisions of the Securities Act; and

neither the holder nor, to the knowledge of such holder, any other person receiving new notes from such holder is an "affiliate" of ours within the meaning of Rule 405 under the Securities Act or, if such Person is an "affiliate," that such holder will comply with the registration and prospectus delivery requirements of the Securities Act to the extent applicable.

Based on an interpretation by the SEC's staff set forth in no-action letters issued to third parties unrelated to us, we believe that, with the exceptions set forth below, the new notes issued in the Exchange Offer may be offered for resale, resold and otherwise transferred by the holder of new notes

Table of Contents

without compliance with the registration and prospectus delivery requirements of the Securities Act, unless the holder:

is an "affiliate" of ours within the meaning of Rule 405 under the Securities Act;

is a broker-dealer who purchased old notes directly from us for resale under Rule 144A, Regulation S or any other available exemption under the Securities Act;

acquired the new notes other than in the ordinary course of the holder's business;

has an arrangement or understanding with any person to engage in the distribution of the new notes; or

is prohibited by any law or policy of the SEC from participating in the Exchange Offer.

Any holder who tenders in the Exchange Offer for the purpose of participating in a distribution of the new notes cannot rely on this interpretation by the SEC's staff and must comply with the registration and prospectus delivery requirements of the Securities Act in connection with a secondary resale transaction. Each broker-dealer that receives new notes for its own account in exchange for old notes, where such old notes were acquired by such broker-dealer as a result of market-making activities or other trading activities, must acknowledge that it will deliver a prospectus in connection with any resale of such new note. See "Plan of Distribution." Broker-dealers who acquired old notes directly from us and not as a result of market-making activities or other trading activities may not rely on the staff's interpretations discussed above, and must comply with the registration and prospectus delivery requirements of the Securities Act in order to sell the old notes.

Terms of the Exchange Offer

Upon the terms and subject to the conditions set forth in this prospectus and in the letter of transmittal, we will accept any and all old notes validly tendered and not withdrawn prior to 11:59 p.m., New York City Time on the Expiration Date. We will issue \$2,000 in principal amount of new notes in exchange for each \$2,000 principal amount of old notes accepted in the Exchange Offer. Holders may tender some or all of their old notes pursuant to the Exchange Offer. Old notes may be tendered only in denominations of \$2,000 and any integral multiples of \$1,000 in excess of \$2,000.

The new notes will evidence the same debt as the old notes and will be issued under the terms of, and entitled to the benefits of, the indenture relating to the old notes. As of the date of this prospectus, \$750 million in principal amount of old notes are outstanding. This prospectus, together with the letter of transmittal, is being sent to all registered holders of old notes. There will be no fixed record date for determining registered holders of old notes entitled to participate in the Exchange Offer. We intend to conduct the Exchange Offer in accordance with the applicable requirements of the Exchange Act and the rules and regulations of the SEC promulgated under the Exchange Act.

Holders who tender old notes in the Exchange Offer will not be required to pay brokerage commissions or fees or, subject to the instructions in the letter of transmittal, transfer taxes with respect to the exchange of old notes in the Exchange Offer. We will pay all charges and expenses, other than certain applicable taxes, applicable to the Exchange Offer. See " Fees and Expenses."

Expiration Date; Extensions; Amendments

The Expiration Date shall be 11:59 p.m., New York City Time, on _____, 2016, unless we, in our sole discretion, extend the Exchange Offer, in which case the Expiration Date shall be the latest date and time to which the Exchange Offer is extended. We reserve the right, in our sole discretion:

to extend the Exchange Offer or, if any of the conditions set forth under " Conditions to the Exchange Offer" shall not have been satisfied or waived, to terminate the Exchange Offer, or

Table of Contents

to amend or modify the terms of the Exchange Offer in any manner or waive any conditions to the Exchange Offer. In the event of a material modification, including the waiver of a material condition, we will extend the offer, if necessary so that at least five business days remain after notice of the amendment and before the Expiration Date.

In order to extend the Exchange Offer, we will notify the Exchange Agent and each registered holder of any extension by oral or written notice prior to 9:00 a.m., New York City Time, on the next business day after the previously scheduled Expiration Date and will also disseminate notice of any extension by press release or other public announcement prior to 9:00 a.m. New York City Time on such date.

During any extension of the Exchange Offer and consent solicitation, all old notes previously validly tendered and not validly withdrawn will remain subject to the Exchange Offer. Any waiver, amendment or modification of the Exchange Offer will apply to all old notes previously validly tendered and not validly withdrawn.

Procedures for Tendering

When the holder of old notes tenders, and we accept such notes for exchange pursuant to that tender, a binding agreement between us and the tendering holder is created, subject to the terms and conditions set forth in this prospectus and the accompanying letter of transmittal.

General. If you wish to participate in the Exchange Offer, you must validly tender (and not validly withdraw) your old notes to the Exchange Agent at or prior to 11:59 p.m., New York City time, on the Expiration Date in accordance with the procedures described below. In order to meet this deadline, custodians and clearing systems may require you to act on a date prior to the Expiration Date. Additionally, they may require further information in order to process all requests to tender. Holders are urged to contact their custodians and clearing systems as soon as possible to ensure compliance with their procedures and deadlines.

The method of delivery of the old notes, the letter of transmittal and all other required documents to the Exchange Agent is at the election and risk of the holder. Where applicable, holders should use an overnight or hand delivery service, properly insured. In all cases, sufficient time should be allowed to assure delivery to and receipt by the Exchange Agent at or prior to the Expiration Date. Do not send the letter of transmittal or any old notes to anyone other than the Exchange Agent.

If you have questions regarding tender or consent procedures or require additional copies of this prospectus or the letter of transmittal, please contact the Exchange Agent. Contact information for the Exchange Agent are set forth below under the heading " Exchange Agent." Holders whose old notes are held by a custodial entity such as a broker, dealer, commercial bank, trust company or other nominee can also contact such custodial entity for assistance in tendering their old notes.

Valid Tender of Old Notes. If you are a holder of old notes and you wish to tender your old notes for exchange pursuant to the Exchange Offer, on or prior to the Expiration Date you must:

- (1) agree to be bound by the terms of the Exchange Offer by transmitting either:

a properly completed and duly executed letter of transmittal, which accompanies this prospectus, or a facsimile of the letter of transmittal, with all signature guarantees and other documents required by the letter of transmittal, to the Exchange Agent at the address set forth below under the heading " Exchange Agent"; or

a computer-generated message transmitted by means of DTC's ATOP, as described below, and received by the Exchange Agent in which you acknowledge and agree to be bound by the terms of the letter of transmittal; and

Table of Contents

(2) deliver the old notes to the Exchange Agent by either:

transmitting a timely confirmation of book-entry transfer of your old notes into the Exchange Agent's account at DTC pursuant to the procedure for book-entry transfers described below; or

if the old notes are held in physical form, delivering the old notes to the Exchange Agent as described below.

Delivery of Physical Letter of Transmittal. You may transmit your acceptance of the terms of the Exchange Offer by delivering a properly completed and duly executed physical letter of transmittal, which accompanies this prospectus, or a facsimile of the letter of transmittal, with all signature guarantees and other documents required by the letter of transmittal, to the Exchange Agent at the address set forth below under the heading " Exchange Agent".

Signatures on all letters of transmittal must be guaranteed by a recognized participant in the Securities Transfer Agents Medallion Program, the New York Stock Exchange, Inc. Medallion Signature Program or the Stock Exchange Medallion Program (each, a "Medallion Signature Guarantor"), unless the old notes tendered thereby are tendered (i) by a holder of old notes (or by a participant in DTC whose name appears on a security position listing as the owner of such old notes) who has not completed the box entitled "Special Delivery Instructions" on the letter of transmittal, or (ii) for the account of a member firm of a registered national securities exchange, a member of FINRA or a commercial bank or trust company having an office or correspondent in the United States.

Delivery of Letter of Transmittal Through ATOP. In lieu of physically completing and executing the letter of transmittal and delivering it to the Exchange Agent, DTC participants that have the old notes credited to their DTC account and held of record by DTC's nominee may electronically transmit their acceptance of the Exchange Offer through ATOP, for which the transaction will be eligible. In accordance with ATOP procedures, DTC will then verify the acceptance of the Exchange Offer and send an agent's message to the Exchange Agent for its acceptance. An "agent's message" is a message transmitted by DTC, received by the Exchange Agent, which states that DTC has received an express acknowledgement from you that you have received the Exchange Offer documents and agree to be bound by the terms of the letter of transmittal, and that we may enforce such agreement against you.

Delivery of documents to DTC does not constitute delivery to the Exchange Agent. If you desire to tender your old notes through DTC, you must allow sufficient time for completion of the ATOP procedures during the normal procedures of DTC. We will have the right, which may be waived, to reject the defective tender of old notes as invalid and ineffective.

Holders whose old notes are held by DTC should be aware that DTC may have deadlines earlier than the Expiration Date for the Exchange Offer. Accordingly, such holders are urged to contact DTC as soon as possible.

Book-Entry Delivery of Old Notes. The Exchange Agent has established (or will shortly establish) an account with respect to the old notes at DTC for purposes of the Exchange Offer, and any financial institution that is a participant in the DTC system and whose name appears on a security position listing as the record owner of the old notes may make book-entry delivery of old notes by causing DTC to transfer the old notes into the Exchange Agent's account at DTC in accordance with DTC's procedure for transfer.

Delivery of Old Notes Held in Physical Form. We do not believe any old notes exist in physical form. If you believe you hold old notes in physical form, please contact the Exchange Agent regarding procedures for participating in the Exchange Offer. Any old notes in physical form must be tendered using a physical letter of transmittal and such old notes must be delivered to the Exchange Agent at its address set forth below under the heading " Exchange Agent."

Table of Contents

Tendering with Respect to Old Notes Held Through a Custodian. Any holder whose old notes are held by a custodial entity such as a broker, dealer, commercial bank, trust company or other nominee and who wishes to tender old notes should contact such custodial entity promptly and instruct such custodial entity to tender the old notes and deliver consents on such holder's behalf.

A custodial entity cannot tender old notes on behalf of a holder of old notes without such holder's instructions. Holders whose old notes are held by a custodial entity such as a broker, dealer, commercial bank, trust company or other nominee should be aware that such nominee may have deadlines earlier than the Expiration Date. Accordingly, such holders are urged to contact any custodial entity such as a broker, dealer, commercial bank, trust company or other nominee through which they hold their old notes as soon as possible in order to learn of the applicable deadlines of such nominees.

Determination of Validity. All questions as to the validity, form, eligibility (including time of receipt) and acceptance of any tendered old notes pursuant to any of the procedures described above, and the form and validity (including time of receipt of notices of withdrawal) of all documents will be determined by us in our sole discretion, which determination will be final and binding absent a finding to the contrary by a court of competent jurisdiction. We reserve the absolute right to reject any or all tenders of any old notes determined by us not to be in proper form, or if the acceptance of or exchange of such old notes may, in the opinion of our counsel, be unlawful or result in a breach of contract. A waiver of any defect or irregularity with respect to the tender of one old note shall not constitute a waiver of the same or any other defect or irregularity with respect to the tender of any other old note. Notwithstanding the foregoing, we do not expect to treat any holder of old notes differently from other holders to the extent they present the same facts or circumstances.

Your tender of old notes will not be deemed to have been validly made until all defects or irregularities in your tender have been cured or waived. None of us, the Exchange Agent or any other person or entity is under any duty to give notification of any defects or irregularities in any tender or withdrawal of any old notes, or will incur any liability for failure to give any such notification.

Acceptance of Old Notes for Exchange; Delivery of New Notes Issued in the Exchange Offer

Upon satisfaction or waiver of all the conditions to the Exchange Offer, and assuming we do not otherwise terminate the Exchange Offer, we will accept, promptly after the Expiration Date, all old notes validly tendered that have not been validly withdrawn and will issue new notes registered under the Securities Act in exchange for the tendered old notes. For purposes of the Exchange Offer, we shall be deemed to have accepted properly tendered old notes for exchange when, as and if we have given oral or written notice to the Exchange Agent, with written confirmation of any oral notice to be given promptly thereafter, and complied with the applicable provisions of the Registration Rights Agreement. If any tendered old notes are not accepted for any reason described in the terms and conditions of the Exchange Offer, such unaccepted old notes will be returned to the tendering holder at our expense promptly after the expiration or termination of the Exchange Offer. Any withdrawn or unaccepted old notes will be credited to the tendering holder's account at DTC or, if the tendered old notes are held in physical form, by delivering the withdrawn or unaccepted old notes to the tendering holder. Under no circumstances will we be required to accept old notes for exchange that have not been validly tendered in accordance with the procedures set forth in this prospectus. See " Procedures for Tendering."

For each old note accepted for exchange, the holder will receive a new note registered under the Securities Act having a principal amount equal to that of the surrendered old note. New notes will be delivered in book-entry form by deposit with DTC. DTC will transmit the new notes to holders in accordance with its procedures. Registered holders of new notes issued in the Exchange Offer on the relevant record date for the first interest payment date following the consummation of the Exchange Offer will receive interest accruing from the most recent date to which interest has been paid or, if no

Table of Contents

interest has been paid, from the issue date of the old notes. Holders of new notes will not receive any payment in respect of accrued interest on old notes otherwise payable on any interest payment date, the record date for which occurs on or after the consummation of the Exchange Offer. Under the Registration Rights Agreement, we may be required to make payments of additional interest to the holders of the old notes under circumstances relating to the timing of the Exchange Offer.

Withdrawal of Tenders

Tenders of old notes may be validly withdrawn at any time prior to the expiration of the Exchange Offer. For a withdrawal of a tender to be effective, a written or facsimile transmission notice of withdrawal, or a properly transmitted "request message" through ATOP, must be received by the Exchange Agent prior to the Expiration Date at its address set forth below under " Exchange Agent." Any such written or facsimile-transmitted notice must:

specify the name of the tendering holder of old notes;

bear a description of the old notes to be withdrawn;

specify, in the case of old notes tendered by physical delivery of certificates, the certificate numbers shown on the particular certificates evidencing those old notes;

specify the aggregate principal amount represented by those old notes;

specify, in the case of old notes tendered by physical delivery of certificates for those old notes, the name of the registered holder, if different from that of the tendering holder, or specify, in the case of old notes tendered by book-entry transfer, the name and number of the account at DTC to be credited with the withdrawn old notes;

specify, in the case of old notes tendered by physical delivery of certificates for those old notes, mailing instructions for the return of such notes to the tendering holder; and

be signed by the holder of those old notes in the same manner as the original signature on the letter of transmittal and consent, including any required signature guarantees, or be accompanied by evidence satisfactory to us that the person withdrawing the tender has succeeded to the beneficial ownership of those old notes.

Any withdrawn old notes will be credited to the tendering holder's account at DTC or, if the withdrawn old notes are held in certificated form, will be returned to the tendering holder at our expense. Withdrawal of tenders of old notes may not be rescinded, and any old notes validly withdrawn will thereafter be deemed not to have been validly tendered for purposes of the Exchange Offer. Validly withdrawn old notes may, however, be re-tendered by again following the procedures described in " Procedures for Tendering" on or prior to the expiration of the Exchange Offer.

All questions as to the validity, form, eligibility (including time of receipt) and acceptance of any withdrawal of old notes pursuant to the procedures described above, and the form and validity (including time of receipt) of all documents will be determined by us in our sole discretion, which determination will be final and binding absent a finding to the contrary by a court of competent jurisdiction. None of us, the Exchange Agent or any other person or entity is under any duty to give notification of any defects or irregularities in any withdrawal of any old notes, or will incur any liability for failure to give any such notification.

Conditions to the Exchange Offer

Notwithstanding any other provision of the Exchange Offer, we will not be required to deliver any new notes, and we may terminate the Exchange Offer or, at our option, modify, extend or otherwise amend the Exchange Offer, if we determine, in our reasonable judgment, that (i) the Exchange Offer

Table of Contents

violates applicable law or any applicable interpretation of the staff of the SEC; (ii) an action or proceeding shall have been instituted or threatened in any court or by any governmental agency which might materially impair our ability to proceed with the Exchange Offer or a material adverse development shall have occurred in any existing action or proceeding with respect to us; or (iii) all governmental approvals that we deem necessary for the consummation of the Exchange Offer have not been obtained.

The foregoing conditions are for our sole benefit and may be asserted by us regardless of the circumstances giving rise to any such condition or may be waived by us in whole or in part at any time and from time to time. The failure by us at any time to exercise any of the foregoing rights shall not be deemed a waiver of any of those rights and each of those rights shall be deemed an ongoing right which may be asserted at any time and from time to time.

In addition, we will not accept for exchange any old notes tendered, and no new notes will be issued in exchange for those old notes, if at such time the registration statement of which this prospectus forms a part has not been declared effective by the SEC, or if at such time any stop order shall be threatened or in effect with respect to the registration statement of which this prospectus constitutes a part or the qualification of the Indenture under the Trust Indenture Act of 1939. In any of those events we are required to use commercially reasonable efforts to have the registration statement of which this prospectus forms a part be declared effective by the SEC and obtain the withdrawal of any stop order at the earliest possible moment, as applicable.

Consequences of Not Tendering

Old notes that are not tendered or are tendered but not accepted will, following the consummation of the Exchange Offer, continue to accrue interest and to be subject to the provisions in the indenture regarding the transfer and exchange of the old notes and the existing restrictions on transfer set forth in the legend on the old notes relating to the old notes. After the completion of the Exchange Offer, we will have no further obligation to provide for the registration under the Securities Act of those old notes except in limited circumstances with respect to specific types of holders of old notes. In general, old notes, unless registered under the Securities Act, may not be offered or sold except pursuant to an exemption from, or in a transaction not subject to, the Securities Act and applicable state securities laws.

Exchange Agent

All executed letters of transmittal should be directed to the Exchange Agent. Wells Fargo Bank, National Association has been appointed as Exchange Agent for the Exchange Offer. Questions, requests for assistance and requests for additional copies of this prospectus or of the letter of transmittal should be directed to the Exchange Agent addressed as follows:

By Registered & Certified Mail:

Wells Fargo Bank, N.A.
Corporate Trust Operations
MAC N9303-121
PO Box 1517
Minneapolis, Minnesota 55480

By regular mail or overnight courier:

Wells Fargo Bank, N.A.
Corporate Trust Operations
MAC N9303-121
Sixth & Marquette Avenue
Minneapolis, Minnesota 55479

Table of Contents

In person by hand only:

Wells Fargo Bank, N.A.
12th Floor Northstar East Building
Corporate Trust Operations
608 Second Avenue South
Minneapolis, Minnesota 55402

Fees and Expenses

We will not make any payments to brokers, dealers or others soliciting acceptances of the Exchange Offer. The estimated cash expenses to be incurred in connection with the Exchange Offer will be paid by us and will include fees and expenses of the Exchange Agent, accounting, legal, printing and related fees and expenses.

Accounting Treatment

We will record the new notes at the same carrying value as the old notes, as reflected in our accounting records on the date of the exchange. Accordingly, we will not recognize any gain or loss for accounting purposes as the terms of the new notes are substantially identical to those of the old notes. The expenses of the Exchange Offer will be amortized over the term of the new notes.

Transfer Taxes

Holders who tender their old notes for exchange will not be obligated to pay any transfer taxes in connection with that tender or exchange, except that holders who instruct us to register new notes in the name of, or request that old notes not tendered or not accepted in the Exchange Offer be returned to, a person other than the registered tendering holder will be responsible for the payment of any applicable transfer tax on those old notes.

Table of Contents

DESCRIPTION OF NOTES

You can find the definitions of certain terms used in this description under the subheading " Certain Definitions." References to the "notes" in this section of the prospectus include both the old notes issued on March 17, 2015 and the new notes, unless the context otherwise requires. For purposes of this description, references to "the Issuer," "we," "our" and "us" refer only to Antero Resources Corporation, the issuer of the new notes.

The new notes will be issued and the old notes were issued under an indenture (the "Indenture") dated March 17, 2015 by and among us, as issuer, Antero Water LLC, AR OHIO LLC and Monroe Pipeline LLC, as Subsidiary Guarantors, and Wells Fargo Bank, National Association, as trustee (the "Trustee"). Subsequently, Antero Water LLC was released of its obligations under the Indenture in connection with its contribution to Antero Midstream Partners LP. The terms of the notes include those expressly set forth in the Indenture and those made part of the Indenture by reference to the Trust Indenture Act of 1939, as amended (the "Trust Indenture Act").

Currently, \$750 million in principal amount of notes is outstanding. In the future, we may issue an unlimited principal amount of additional notes having identical terms and conditions as the notes (the "Additional Notes"). We will be permitted to issue such Additional Notes only in compliance with the covenant described under the subheading " Certain Covenants Limitation on Indebtedness and Preferred Stock." Any such Additional Notes will have identical terms to, other than the issue date and the initial interest payment date, and will be part of the same series as, the old notes and the new notes and will vote on all matters with the holders of the old notes and the new notes. Unless the context otherwise requires, for all purposes of the Indenture and this "Description of Notes," references to the notes include any Additional Notes we may issue in the future as well as the old notes and the new notes.

This "Description of Notes" is intended to be a useful overview of the material provisions of the notes and the Indenture. Since this "Description of Notes" is only a summary, you should refer to these documents for a complete description of the obligations of the Issuer and the Subsidiary Guarantors and your rights.

The following description of the notes is a summary of the material provisions of the Indenture. It does not restate the Indenture in its entirety. We urge you to read the Indenture because it, and not this description, defines your rights as holders of the notes. A copy of the Indenture is filed as an exhibit to the registration statement of which this prospectus is a part.

If the Exchange Offer contemplated by this prospectus is consummated, holders of old notes who do not exchange those notes for new notes in the Exchange Offer will vote together with holders of new notes for all relevant purposes under the Indenture. In that regard, the Indenture requires that certain actions by the holders thereunder must be taken, and certain rights must be exercised, by specified minimum percentages of the aggregate principal amount of the outstanding securities issued under the Indenture. In determining whether holders of the requisite percentage in principal amount of notes have given any notice, consent or waiver or taken any other action permitted under the Indenture, any old notes that remain outstanding after the Exchange Offer will be aggregated with the new notes, and the holders of such old notes and the new notes will vote together as a single class for all such purposes. Accordingly, all references herein to specified percentages in aggregate principal amount of the notes outstanding shall be deemed to mean, at any time after the Exchange Offer is consummated, such percentages in aggregate principal amount of the old notes and the new notes then outstanding.

The registered holder of a note will be treated as the owner of it for all purposes. Only registered holders of notes have rights under the Indenture, and all references to "holders" in this description of notes are to registered holders of notes.

Table of Contents

The Notes

General

The notes. The new notes, like the old notes:

will be general unsecured, senior obligations of the Issuer;

will mature on June 1, 2023;

will be issued only in denominations of \$2,000 and integral multiples of \$1,000 in excess of \$2,000;

will be represented by one or more registered notes in global form, but in certain circumstances may be represented by notes in definitive form, see "Book-entry, Delivery and Form";

will rank senior in right of payment to any future Subordinated Obligations of the Issuer;

will rank equally in right of payment to any other senior Indebtedness of the Issuer (including the Issuer's borrowings and guarantees under the Senior Secured Credit Agreements), without giving effect to collateral arrangements;

will be guaranteed on a senior unsecured basis by each current Subsidiary of the Issuer, except for Antero Midstream Partners LP and its Subsidiaries (see "Guarantees"); and

will effectively rank junior to any secured Indebtedness of the Issuer, to the extent of the value of the collateral securing such Indebtedness.

The guarantees. The Subsidiary Guarantors will unconditionally guarantee the new notes on a senior unsecured basis. Each Guarantee of the new notes:

will be a general unsecured, senior obligation of the Subsidiary Guarantors;

will rank senior in right of payment to any future Guarantor Subordinated Obligations of the Subsidiary Guarantors;

will rank equally in right of payment to any other existing and future senior Indebtedness of the Subsidiary Guarantors, without giving effect to collateral arrangements;

will effectively rank junior to all existing and future secured Indebtedness of the Subsidiary Guarantors, including any borrowings and guarantees under the Senior Secured Credit Agreements, to the extent of the value of the collateral securing such Indebtedness; and

will rank structurally junior to all future Indebtedness and other obligations of any non-guarantor Subsidiary of the Subsidiary Guarantors.

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Certain future Subsidiaries of the Issuer may not be required to guarantee the notes. See " Certain Covenants Future Subsidiary Guarantors." Also, under the circumstances described below in the definition of "Unrestricted Subsidiary" under the heading " Certain Definitions," the Issuer has and may in the future designate certain of its Subsidiaries as "Unrestricted Subsidiaries." Specifically, Antero Midstream Partners LP and its subsidiaries are Unrestricted Subsidiaries and as a result will not guarantee the notes. Unrestricted Subsidiaries will not guarantee the notes and will not be subject to the restrictive covenants in the Indenture.

Interest. Interest on the new notes will:

accrue at the rate of 5.625% per annum;

accrue from the most recent interest payment date on the notes, December 1, 2015;

Table of Contents

be payable in cash semi-annually in arrears on June 1 and December 1, with the first interest payment date being on June 1, 2016;

be payable to the holders of record on the May 15 and November 15 immediately preceding the related interest payment dates; and

be computed on the basis of a 360-day year comprised of twelve 30-day months.

If an interest payment date falls on a day that is not a Business Day, the interest payment to be made on such interest payment date will be made on the next succeeding Business Day with the same force and effect as if made on such interest payment date, and no additional interest will accrue as a result of such delayed payment. The Issuer will pay interest on overdue principal of the notes at the above rate, and overdue installments of interest at such rate, to the extent lawful.

Payments on the Notes; Paying Agent and Registrar

We will pay principal of, premium, if any, and interest on the notes at the office or agency designated by us in the City and State of New York, except that we may, at our option, pay interest on the notes by check mailed to each holder of the notes at its registered address as it appears in the registrar's books. We have initially designated the corporate trust office of the Trustee in Minneapolis, Minnesota to act as our paying agent and its corporate trust office in Dallas, Texas to act as registrar.

We may, however, change the paying agent or registrar without prior notice to the holders of the notes, and any of the Restricted Subsidiaries may act as paying agent or registrar.

We will pay principal of, premium, if any, and interest on, notes in global form registered in the name of or held by The Depository Trust Company ("DTC") or its nominee in immediately available funds to DTC or its nominee, as the case may be, as the registered holder of such global note.

Transfer and Exchange

A holder may transfer or exchange notes in accordance with the Indenture. The registrar and the Trustee may require a holder, among other things, to furnish appropriate endorsements and transfer documents in connection with a transfer of notes. No service charge will be imposed by the Issuer, the Trustee or the registrar for any registration of transfer or exchange of notes, but the Issuer may require a holder to pay a sum sufficient to cover any transfer tax or other governmental taxes and fees required by law or permitted by the Indenture. The Issuer is not required to transfer or exchange any note selected for redemption. Also, the Issuer is not required to transfer or exchange any note for a period of 15 days before a selection of notes to be redeemed.

Optional Redemption

On and after June 1, 2018, we may redeem all or, from time to time, a part of the notes upon notice as set forth under " Selection and Notice," at the following redemption prices (expressed as a percentage of principal amount of the notes), plus accrued and unpaid interest, if any, to, but excluding, the applicable redemption date (subject to the right of holders of record on the relevant record date to receive interest due on the relevant interest payment date), if redeemed during the 12 month period beginning on June 1 of the years indicated below:

| Year | Percentage |
|---------------------|-------------------|
| 2018 | 104.219% |
| 2019 | 102.813% |
| 2020 | 101.406% |
| 2021 and thereafter | 100.000% |

Table of Contents

On or prior to June 1, 2018, we may, at our option, on any one or more occasions, upon notice as set forth under " Selection and Notice," redeem up to 35% of the aggregate principal amount of the notes (including any other Additional Notes) issued under the Indenture, but in an amount not greater than the Net Cash Proceeds of one or more Equity Offerings, at a redemption price of 105.625% of the principal amount thereof, plus accrued and unpaid interest, if any, to, but excluding, the redemption date (subject to the right of holders of record on the relevant record date to receive interest due on the relevant interest payment date); *provided* that:

- (1) at least 65% of the aggregate principal amount of the notes (including any other Additional Notes) issued under the Indenture remains outstanding after each such redemption; and
- (2) the redemption occurs within 180 days after the closing of the related Equity Offering.

If a Change of Control occurs at any time prior to June 1, 2016, the Issuer may, at its option, redeem all, but not less than all, of the notes upon notice as set forth under " Selection and Notice," at a redemption price equal to 110.0% of the principal amount of the notes redeemed, plus accrued and unpaid interest, if any, to the redemption date (subject to the right of holders of record on the relevant record date to receive interest due on the relevant interest payment date). If the Issuer elects to exercise this redemption right, it must do so by sending a redemption notice to each Holder with a copy to the Trustee within 60 days following the Change of Control (or, at the Issuer's option, prior to such Change of Control but after the transaction giving rise to such Change of Control is publicly announced). Any such redemption may be conditioned upon the Change of Control occurring if the notice is sent prior to the Change of Control. If the Issuer exercises the Change of Control redemption right, it may elect not to make the Change of Control Offer described below under " Change of Control" unless it defaults in payments due upon redemption.

In addition, the notes may be redeemed, in whole or in part, at any time prior to June 1, 2018 at the option of the Issuer upon notice set forth under " Selection and Notice," at a redemption price equal to 100% of the principal amount of the notes redeemed plus the Applicable Premium and accrued and unpaid interest to, but excluding, the applicable redemption date (subject to the right of holders of record on the relevant record date to receive interest due on the relevant interest payment date).

"*Applicable Premium*" means, with respect to any note at any time, the greater of:

- (1) 1.0% of the principal amount of such Note; or
- (2) the excess, if any, of:
 - (a) the present value at such time of (i) the redemption price of such note at June 1, 2018 (such redemption price being set forth in the table appearing in the first paragraph of this "Optional Redemption" section) plus (ii) all required interest payments (excluding accrued and unpaid interest to such redemption date) due on such note through June 1, 2018 computed using a discount rate equal to the Treasury Rate as of such redemption date plus 50 basis points discounted to the redemption date on a semi annual basis (assuming a 360 day year consisting of twelve 30 day calendar months); over
 - (b) the principal amount of such note.

"*Treasury Rate*" means, with respect to any redemption date, the yield to maturity at the time of computation of United States Treasury securities with a constant maturity (as compiled and published in the most recent Federal Reserve Statistical Release H.15 (519) which has become publicly available at least two Business Days prior to the redemption date (or, if such Statistical Release is no longer published, any publicly available source of similar market data)) most nearly equal to the period from the redemption date to June 1, 2018; *provided, however*, that if the period from the redemption date to

Table of Contents

June 1, 2018 is not equal to the constant maturity of a United States Treasury security for which a weekly average yield is given, the Treasury Rate shall be obtained by linear interpolation (calculated to the nearest one-twelfth of a year) from the weekly average yields of United States Treasury securities for which such yields are given, except that if the period from the redemption date to June 1, 2018 is less than one year, the weekly average yield on actually traded United States Treasury securities adjusted to a constant maturity of one year shall be used. The Issuer will (a) calculate the Treasury Rate as of a date no later than the fourth Business Day preceding the applicable redemption date and (b) prior to such redemption date file with the Trustee an Officers' Certificate setting forth the Applicable Premium and the Treasury Rate and showing the calculation of each in reasonable detail.

Selection and Notice

If the Issuer is redeeming less than all of the outstanding notes, the Trustee will select the notes for redemption in compliance with the requirements of the principal national securities exchange, if any, on which the notes are listed or, if the notes are not listed, then on a pro rata basis, by lot or by such other method as the Trustee in its sole discretion will deem to be fair and appropriate (or, in the case of notes in global form, the Trustee will select notes for redemption based on DTC's method that most nearly approximates a pro rata selection), although no note of \$2,000 in original principal amount or less will be redeemed in part. Notices of redemption will be sent at least 30 but not more than 60 days before the redemption date to each holder of notes to be redeemed at its registered address, except that redemption notices may be sent more than 60 days prior to a redemption date if the notice is issued in connection with a legal defeasance or covenant defeasance of the notes or a satisfaction and discharge of the Indenture. If any note is to be redeemed in part only, the notice of redemption relating to such note will state the portion of the principal amount thereof to be redeemed. A new note in principal amount equal to the unredeemed portion thereof will be issued in the name of the holder thereof upon cancellation of the partially redeemed note. On and after the redemption date, interest will cease to accrue on notes or the portion of them called for redemption without any condition precedent, unless we default in the payment thereof. Any redemption or notice of redemption may, at our discretion, be subject to one or more conditions precedent and, in the case of a redemption with the Net Cash Proceeds of an Equity Offering, be given prior to the completion of the related Equity Offering.

Mandatory Redemption; Offers to Purchase; Open Market Purchases

We are not required to make mandatory redemption payments or sinking fund payments with respect to the notes. However, under certain circumstances, we may be required to offer to purchase notes as described under the captions " Change of Control" and " Certain Covenants Limitation on Sales of Assets and Subsidiary Stock." The Issuer and its Subsidiaries may acquire notes by means other than a redemption or required repurchase, whether by tender offer, open market purchases, negotiated transactions or otherwise, in accordance with applicable securities laws, so long as such acquisition does not otherwise violate the terms of the Indenture. However, other existing or future agreements may limit our ability or the ability of our Subsidiaries to purchase notes prior to maturity.

Ranking

The notes are the general unsecured obligations of the Issuer and rank senior in right of payment to any of its future Indebtedness that is expressly subordinated in right of payment to the notes. The notes rank equally in right of payment with all other Indebtedness of the Issuer that is not so subordinated and are effectively subordinated to any of its secured Indebtedness (including any borrowings and guarantees under the Senior Secured Credit Agreements), to the extent of the value of the collateral securing such Indebtedness.

Table of Contents

The obligations of each of the Subsidiary Guarantors under the Guarantees rank equally in right of payment with all other Indebtedness of such Subsidiary Guarantor, except to the extent such other Indebtedness is expressly subordinated in right of payment to the obligations arising under its Guarantee. However, such obligations effectively rank junior to all existing and future secured Indebtedness of the Subsidiary Guarantors (including any borrowings and guarantees under the Senior Secured Credit Agreements), to the extent of the value of the collateral securing such Indebtedness. In the event of bankruptcy, liquidation, reorganization or other winding up of the Issuer or the Subsidiary Guarantors, or upon a default in payment with respect to, or the acceleration of, any Indebtedness under the Senior Secured Credit Agreements or other secured Indebtedness, the assets of the Issuer and the Subsidiary Guarantors that secure secured Indebtedness will be available to pay obligations on the notes and the Guarantees only after all Indebtedness under the Senior Secured Credit Agreements and other secured Indebtedness has been repaid in full from such assets. In addition, in the event of bankruptcy, liquidation, reorganization or other winding up of a non-guarantor Subsidiary, the assets of such Subsidiary will be available to pay obligations on the notes and the Guarantees only after all obligations of such Subsidiary have been repaid in full from such assets. We advise you that there may not be sufficient assets remaining to pay amounts due on any or all the notes and the Guarantees then outstanding.

Guarantees

The Subsidiary Guarantors jointly and severally, fully and unconditionally guarantee on a senior unsecured basis our obligations under the old notes and all obligations under the Indenture, and they will do likewise with respect to the new notes.

The obligations of each of the Subsidiary Guarantors under the Guarantees rank equally in right of payment with all other Indebtedness of such Subsidiary Guarantor, except to the extent such other Indebtedness is expressly subordinated in right of payment to the obligations arising under its Guarantee.

Although the Indenture limits the amount of Indebtedness that the Issuer and its Restricted Subsidiaries may Incur, such Indebtedness may be substantial and such limitation is subject to a number of significant qualifications. Moreover, the Indenture will not impose any limitation on the Incurrence by such Persons of liabilities that are not considered Indebtedness under the Indenture. See " Certain Covenants Limitation on Indebtedness and Preferred Stock."

The obligations of each Subsidiary Guarantor under its Guarantee will be limited as necessary to prevent that Guarantee from constituting a fraudulent conveyance or fraudulent transfer under applicable law, although no assurance can be given that a court would give the holder the benefit of such provision. See "Risk Factors Risks Related to the Notes and the Exchange Offer Any guarantees of the notes by our subsidiaries could be deemed fraudulent conveyances under certain circumstances, and a court may subordinate or void the guarantees." If a Guarantee were rendered voidable, it could be subordinated by a court to all other indebtedness (including guarantees and other contingent liabilities) of the applicable Subsidiary Guarantor, and, depending on the amount of such indebtedness, a Subsidiary Guarantor's liability on its Guarantee could be reduced to zero. If the obligations of a Subsidiary Guarantor under its Guarantee were avoided, holders of notes would have to look to the assets of any remaining Subsidiary Guarantors for payment. There can be no assurance in that event that such assets would suffice to pay the outstanding principal and interest on the notes.

In the event a Subsidiary Guarantor is sold or disposed of (whether by merger, consolidation, the sale of a sufficient amount of its Capital Stock so that it no longer qualifies as a "Subsidiary" of the Issuer or the sale of all or substantially all of its assets (other than by lease)) and whether or not the Subsidiary Guarantor is the surviving entity in such transaction to a Person which is not the Issuer or a Restricted Subsidiary of the Issuer, such Subsidiary Guarantor will be released from its obligations

Table of Contents

under its Guarantee if the sale or other disposition does not violate the covenants described under " Certain Covenants Limitation on Sales of Assets and Subsidiary Stock."

In addition, a Subsidiary Guarantor will be released from its obligations under the Indenture and its Guarantee, upon the release or discharge of the guarantee of other Indebtedness that resulted in the creation of such Guarantee pursuant to clause (b) of the covenant described under " Certain Covenants Future Subsidiary Guarantors," except a release or discharge by or as a result of payment under such guarantee; if the Issuer designates such Subsidiary as an Unrestricted Subsidiary and such designation complies with the other applicable provisions of the Indenture or in connection with any covenant defeasance, legal defeasance or satisfaction and discharge of the notes as provided below under the captions " Defeasance" and " Satisfaction and Discharge."

Change of Control

If a Change of Control occurs, unless the Issuer has previously or concurrently exercised its right to redeem all of the notes as described under " Optional Redemption" or one of the other two exceptions described below applies, each holder will have the right to require the Issuer to repurchase all or any part (equal to \$2,000 or an integral multiple of \$1,000 in excess of \$2,000) of such holder's notes at a purchase price in cash equal to 101% of the principal amount of the notes plus accrued and unpaid interest, if any, to, but excluding, the date of purchase (subject to the right of holders of record on the relevant record date to receive interest due on the relevant interest payment date).

Within 30 days following any Change of Control, unless we have previously or concurrently exercised our right to redeem all of the notes as described under " Optional Redemption" or one of the other two exceptions described below applies, we will send a notice (the "Change of Control Offer") to each holder, with a copy to the Trustee, stating:

- (1) that a Change of Control has occurred and that such holder has the right to require us to purchase such holder's notes at a purchase price in cash equal to 101% of the principal amount of such notes plus accrued and unpaid interest, if any, to the date of purchase (subject to the right of holders of record on a record date to receive interest on the relevant interest payment date) (the "*Change of Control Payment*");
- (2) the repurchase date (which shall be no earlier than 30 days nor later than 60 days from the date such notice is sent) (the "*Change of Control Payment Date*");
- (3) that any note not properly tendered will remain outstanding and continue to accrue interest;
- (4) that unless we default in the payment of the Change of Control Payment, all notes accepted for payment pursuant to the Change of Control Offer will cease to accrue interest on the Change of Control Payment Date;
- (5) that holders electing to have any notes in certificated form purchased pursuant to a Change of Control Offer will be required to surrender such notes, with the form entitled "Option of Holder to Elect Purchase" on the reverse of such notes completed, to the paying agent specified in the notice at the address specified in the notice prior to the close of business on the third Business Day preceding the Change of Control Payment Date;
- (6) that holders will be entitled to withdraw their tendered notes and their election to require us to purchase such notes, *provided* that the paying agent receives, not later than the close of business on the third Business Day preceding the Change of Control Payment Date, a telegram, telex, facsimile transmission or letter setting forth the name of the holder of the notes, the principal amount of notes tendered for purchase, and a statement that such holder is withdrawing its tendered notes and its election to have such notes purchased;

Table of Contents

(7) that if we are repurchasing a portion of the note of any holder, the holder will be issued a new note equal in principal amount to the unpurchased portion of the note surrendered, *provided* that the unpurchased portion of the note must be equal to a minimum principal amount of \$2,000 and an integral multiple of \$1,000 in excess of \$2,000; and

(8) the procedures determined by us, consistent with the Indenture, that a holder must follow in order to have its notes repurchased.

On the Change of Control Payment Date, the Issuer will, to the extent lawful:

(1) accept for payment all notes or portions of notes (in a minimum principal amount of \$2,000 and integral multiples of \$1,000 in excess of \$2,000) properly tendered pursuant to the Change of Control Offer and not properly withdrawn;

(2) deposit with the paying agent an amount equal to the Change of Control Payment in respect of all notes or portions of notes accepted for payment; and

(3) deliver or cause to be delivered to the Trustee the notes so accepted together with an Officers' Certificate stating the aggregate principal amount of notes or portions of notes being purchased by the Issuer.

The paying agent will promptly mail or deliver to each holder of notes accepted for payment the Change of Control Payment for such notes, and the Trustee will promptly authenticate and mail (or cause to be transferred by book entry) to each holder a new note equal in principal amount to any unpurchased portion of the notes surrendered, if any; *provided* that each such new note will be in a minimum principal amount of \$2,000 or an integral multiple of \$1,000 in excess of \$2,000.

If the Change of Control Payment Date is on or after an interest record date and on or before the related interest payment date, any accrued and unpaid interest, will be paid to the Person in whose name a note is registered at the close of business on such record date, and no further interest will be payable to holders who tender pursuant to the Change of Control Offer.

The Change of Control provisions described above are applicable whether or not any other provisions of the Indenture are applicable. Except as described above with respect to a Change of Control, the Indenture does not contain provisions that permit the holders to require that the Issuer or any Subsidiary of the Issuer repurchase or redeem the notes in the event of a takeover, recapitalization or similar transaction.

We will not be required to make a Change of Control Offer upon a Change of Control if (1) any other Person makes the Change of Control Offer in the manner, at the times and otherwise in compliance with the requirements set forth in the Indenture applicable to a Change of Control Offer made by us and purchases all notes validly tendered and not withdrawn under such Change of Control Offer, (2) notice of redemption of all outstanding notes has been given pursuant to the Indenture as described above under "Optional Redemption," unless and until there is a default in payment of the applicable redemption price, or (3) in connection with or in contemplation of any Change of Control, the Issuer has made an offer to purchase (an "Alternate Offer") any and all notes validly tendered at a cash price equal to or higher than the Change of Control Payment and has purchased all notes properly tendered in accordance with the terms of such Alternate Offer.

A Change of Control Offer may be made in advance of a Change of Control, and conditioned upon the occurrence of a Change of Control, if a definitive agreement is in place for the Change of Control at the time of making the Change of Control Offer.

We will comply, to the extent applicable, with the requirements of Rule 14e-1 of the Exchange Act and any other securities laws or regulations in connection with the repurchase of notes as a result of a Change of Control. To the extent that the provisions of any securities laws or regulations conflict with

Table of Contents

provisions of this covenant, we will comply with the applicable securities laws and regulations and will not be deemed to have breached our obligations under the Indenture by virtue of our compliance with such securities laws or regulations.

Our ability to repurchase notes pursuant to a Change of Control Offer may be limited by a number of factors. The occurrence of certain of the events that constitute a Change of Control would constitute a default under the Senior Secured Credit Agreements. In addition, certain events that may constitute a change of control under the Senior Secured Credit Agreements and cause a default under that agreement will not constitute a Change of Control under the Indenture. Future Indebtedness of our Subsidiaries may also contain prohibitions of certain events that would constitute a Change of Control or require such Indebtedness to be repaid upon a Change of Control. Moreover, the exercise by the holders of their right to require us to repurchase the notes could cause a default under such Indebtedness, even if the Change of Control itself does not, due to the financial effect of such repurchase on the Issuer and its Restricted Subsidiaries. Finally, our ability to pay cash to the holders upon a repurchase may be limited by the then existing financial resources of our Restricted Subsidiaries. There can be no assurance that sufficient funds will be available when necessary to make any required repurchases.

Even if sufficient funds were otherwise available, the future Indebtedness of the Issuer and its Restricted Subsidiaries may prohibit our repurchase of notes before their scheduled maturity. Consequently, if we and our Restricted Subsidiaries are not able to prepay the Indebtedness under the Senior Secured Credit Agreements and any such other Indebtedness containing similar restrictions or obtain requisite consents, we will be unable to fulfill our repurchase obligations if holders of notes exercise their repurchase rights following a Change of Control, resulting in a default under the Indenture. A default under the Indenture may result in a cross default under the Senior Secured Credit Agreements.

If holders of not less than 90% in aggregate principal amount of the outstanding notes validly tender and do not withdraw such notes in a Change of Control Offer or Alternate Offer and the Issuer, or any other Person making a Change of Control Offer in lieu of the Issuer as described above, purchases all of the notes validly tendered and not withdrawn by such holders, the Issuer will have the right, upon not less than 30 nor more than 60 days' prior notice, given not more than 30 days following such purchase pursuant to the Change of Control Offer or Alternate Offer, as applicable, to redeem all notes that remain outstanding following such purchase at a redemption price in cash equal to the applicable Change of Control Payment plus, to the extent not included in the Change of Control Payment, accrued and unpaid interest, if any, to the date of redemption (subject to the right of holders of record on the relevant record date to receive interest due on the relevant interest payment date).

The Change of Control provisions described above may deter certain mergers, tender offers and other takeover attempts involving us. The Change of Control purchase feature is a result of negotiations between the initial purchasers and us. As of the date hereof, we have no present intention to engage in a transaction involving a Change of Control, although it is possible that we could decide to do so in the future. Subject to the limitations discussed below, we and our Subsidiaries could, in the future, enter into certain transactions, including acquisitions, refinancings or other recapitalizations, that would not constitute a Change of Control under the Indenture, but that could increase the amount of indebtedness outstanding at such time or otherwise affect our capital structure or credit ratings. Restrictions on the ability of us and our Restricted Subsidiaries to incur additional Indebtedness are contained in the covenants described under " Certain Covenants Limitation on Indebtedness and Preferred Stock" and " Certain Covenants Limitation on Liens." Such restrictions in the Indenture can be waived only with the consent of the holders of a majority in principal amount of the notes then outstanding. Except for the limitations contained in such covenants, however, the Indenture does not contain any covenants or provisions that may afford holders of the notes protection in the event of a highly leveraged transaction.

Table of Contents

The definition of "Change of Control" includes a disposition of all or substantially all of the assets of us and our Restricted Subsidiaries taken as a whole to any Person. Although there is a limited body of case law interpreting the phrase "substantially all," there is no precise established definition of the phrase under applicable law. Accordingly, in certain circumstances there may be a degree of uncertainty as to whether a particular transaction would involve a disposition of "all or substantially all" of the assets of a Person. As a result, it may be unclear as to whether a Change of Control has occurred and whether a holder of notes may require us to make an offer to repurchase the notes as described above.

The provisions under the Indenture relative to our obligation to make an offer to repurchase the notes as a result of a Change of Control may be waived or modified or terminated with the consent of the holders of a majority in principal amount of the notes then outstanding (including consents obtained in connection with a tender offer or exchange offer for the notes) prior to the occurrence of such Change of Control.

Certain Covenants

Limitation on Indebtedness and Preferred Stock

We will not, and we will not permit any of our Restricted Subsidiaries to, directly or indirectly, Incur any Indebtedness (including Acquired Indebtedness), and we will not permit any of our Restricted Subsidiaries to issue Preferred Stock; *provided, however*, that we may Incur Indebtedness and we and any of the Subsidiary Guarantors may Incur Indebtedness and issue Preferred Stock if on the date thereof:

- (1) the Consolidated Coverage Ratio for us and our Restricted Subsidiaries is at least 2.25 to 1.00, determined on a pro forma basis (including a pro forma application of proceeds); and
- (2) no Default would occur as a consequence of, and no Event of Default would be continuing following, Incurring the Indebtedness or its application.

The first paragraph of this covenant will not prohibit the Incurrence of the following Indebtedness:

- (1) Indebtedness under one or more Credit Facilities of (a) the Issuer or any Subsidiary Guarantor Incurred pursuant to this clause (1) in an aggregate amount not to exceed the greater of (i) \$3.1 billion or (ii) the sum of \$400.0 million and 30.0% of the Issuer's Adjusted Consolidated Net Tangible Assets determined as of the date of the Incurrence of such Indebtedness after giving effect to the application of the proceeds therefrom and (b) any Foreign Subsidiary Incurred pursuant to this clause (1) in an aggregate amount not to exceed \$50.0 million, in each case outstanding at any one time;
- (2) guarantees of Indebtedness Incurred in accordance with the provisions of the Indenture; *provided* that in the event such Indebtedness that is being guaranteed is a Subordinated Obligation or a Guarantor Subordinated Obligation, then the related guarantee shall be subordinated in right of payment to the notes or the Guarantee to at least the same extent as the Indebtedness being guaranteed, as the case may be;
- (3) Indebtedness of the Issuer owing to and held by any Restricted Subsidiary or Indebtedness of a Restricted Subsidiary owing to and held by the Issuer or any Restricted Subsidiary; *provided, however*, that (a)(i) if the Issuer is the obligor on such Indebtedness and the obligee is not a Subsidiary Guarantor, such Indebtedness must be expressly subordinated to the prior payment in full in cash of all obligations with respect to the notes and (ii) if a Subsidiary Guarantor is the obligor of such Indebtedness and the obligee is neither the Issuer nor a Subsidiary Guarantor, such Indebtedness must be expressly subordinated to the prior payment in full in cash of all obligations of such Subsidiary Guarantor with respect to its Guarantee and (b)(i) any subsequent issuance or transfer of Capital Stock or any other event which results in any such

Table of Contents

Indebtedness being held by a Person other than the Issuer or a Restricted Subsidiary and (ii) any sale or other transfer of any such Indebtedness to a Person other than the Issuer or a Restricted Subsidiary of the Issuer shall be deemed, in each case, to constitute an Incurrence of such Indebtedness by Issuer or such Restricted Subsidiary, as the case may be, that was not permitted by this clause;

(4) Indebtedness represented by (a) the notes issued on the Issue Date and all Guarantees, (b) any Indebtedness (other than the Indebtedness described in clauses (1), (2) and 4(a)) outstanding on the Issue Date, (c) any notes (including the new notes) and related Guarantees issued pursuant to a Registration Rights Agreement and (d) any Refinancing Indebtedness Incurred in respect of any Indebtedness described in this clause (4) or clause (5) or (7) or Incurred pursuant to the first paragraph of this covenant;

(5) Permitted Acquisition Indebtedness;

(6) Indebtedness Incurred in respect of (a) self-insurance obligations, bid, appeal, reimbursement, performance, surety and similar bonds and completion guarantees provided by the Issuer or a Restricted Subsidiary in the ordinary course of business and any guarantees or letters of credit functioning as or supporting any of the foregoing bonds or obligations and (b) obligations represented by letters of credit for the account of the Issuer or a Restricted Subsidiary in order to provide security for workers' compensation claims (in the case of clauses (a) and (b) other than for an obligation for money borrowed);

(7) Indebtedness of the Issuer or any Restricted Subsidiary represented by Capitalized Lease Obligations (whether or not incurred pursuant to Sale/Leaseback Transactions) or other Indebtedness Incurred in connection with the acquisition, construction, improvement or development of real or personal, movable or immovable, property, in each case Incurred for the purpose of financing, refinancing, renewing, defeasing or refunding all or any part of the purchase price or cost of acquisition, construction, improvement or development of property used in the business of the Issuer or its Restricted Subsidiaries; *provided* that the aggregate principal amount Incurred by the Issuer or any Restricted Subsidiary pursuant to this clause (7) outstanding at any time shall not exceed 2.0% of the Issuer's Adjusted Consolidated Net Tangible Assets; and *provided further* that the principal amount of any Indebtedness permitted under this clause (7) did not in each case at the time of incurrence exceed the Fair Market Value, as determined in accordance with the definition of such term, of the acquired or constructed asset or improvement or development so financed;

(8) Preferred Stock (other than Disqualified Stock) of any Restricted Subsidiary;

(9) Cash Management Obligations of the Issuer or any Subsidiary Guarantor in an aggregate amount not to exceed \$50.0 million outstanding at any one time; and

(10) in addition to the items referred to in clauses (1) through (9) above, Indebtedness of the Issuer and its Restricted Subsidiaries in an aggregate outstanding principal amount which, when taken together with the principal amount of all other Indebtedness Incurred pursuant to this clause (10) and then outstanding, will not exceed the greater of \$250.0 million or 2.5% of the Issuer's Adjusted Consolidated Net Tangible Assets, determined as of the date of Incurrence of such Indebtedness after giving effect to such Incurrence and the application of the proceeds therefrom.

For purposes of determining compliance with, and the outstanding principal amount of any particular Indebtedness Incurred pursuant to and in compliance with, this covenant:

(1) in the event an item of that Indebtedness meets the criteria of more than one of the types of Indebtedness described in the first and second paragraphs of this covenant, the Issuer, in

Table of Contents

its sole discretion, will classify such item of Indebtedness on the date of Incurrence and, subject to clause (2) below may later classify, reclassify or redivide all or a portion of such item of Indebtedness, in any manner that complies with this covenant;

(2) all Indebtedness outstanding on the date of the Indenture under the Senior Secured Credit Agreements shall be deemed Incurred on the Issue Date under clause (1) of the second paragraph of this covenant;

(3) guarantees of, or obligations in respect of letters of credit supporting, Indebtedness which is otherwise included in the determination of a particular amount of Indebtedness shall not be included;

(4) if obligations in respect of letters of credit are Incurred pursuant to a Credit Facility and are being treated as Incurred pursuant to clause (1) of the second paragraph above and the letters of credit relate to other Indebtedness, then such other Indebtedness shall not be included;

(5) the principal amount of any Disqualified Stock of the Issuer or a Restricted Subsidiary, or Preferred Stock of a Restricted Subsidiary that is not a Subsidiary Guarantor, will be equal to the greater of the maximum mandatory redemption or repurchase price (not including, in either case, any redemption or repurchase premium) or the liquidation preference thereof;

(6) Indebtedness permitted by this covenant need not be permitted solely by reference to one provision permitting such Indebtedness but may be permitted in part by one such provision and in part by one or more other provisions of this covenant permitting such Indebtedness; and

(7) the amount of Indebtedness issued at a price that is less than the principal amount thereof will be equal to the amount of the liability in respect thereof determined in accordance with GAAP.

Accrual of interest, accrual of dividends, the amortization of debt discount or the accretion of accreted value, the payment of interest in the form of additional Indebtedness, the payment of dividends in the form of additional shares of Preferred Stock or Disqualified Stock and unrealized losses or charges in respect of Hedging Obligations (including those resulting from the application of FASB Accounting Standards Codification ("ASC") Topic No. 815, Derivatives and Hedging) will not be deemed to be an Incurrence of Indebtedness for purposes of this covenant.

The Issuer will not permit any of its Unrestricted Subsidiaries to Incur any Indebtedness (including to issue any shares of Disqualified Stock) other than Non-Recourse Debt. If at any time an Unrestricted Subsidiary becomes a Restricted Subsidiary, any Indebtedness of such Subsidiary shall be deemed to be Incurred by a Restricted Subsidiary as of such date (and, if such Indebtedness is not permitted to be Incurred as of such date under this "Limitation on Indebtedness and Preferred Stock" covenant, the Issuer shall be in Default of this covenant).

For purposes of determining compliance with any U.S. dollar denominated restriction on the Incurrence of Indebtedness, the U.S. dollar equivalent principal amount of Indebtedness denominated in a foreign currency shall be calculated based on the relevant currency exchange rate in effect on the date such Indebtedness was Incurred, in the case of term Indebtedness, or first committed, in the case of revolving credit Indebtedness; *provided* that if such Indebtedness is Incurred to refinance other Indebtedness denominated in a foreign currency, and such refinancing would cause the applicable U.S. dollar denominated restriction to be exceeded if calculated at the relevant currency exchange rate in effect on the date of such refinancing, such U.S. dollar denominated restriction shall be deemed not to have been exceeded so long as the principal amount of such refinancing Indebtedness does not exceed the principal amount of such Indebtedness being refinanced. Notwithstanding any other provision of this covenant, the maximum amount of Indebtedness that any Person may Incur pursuant to this covenant shall not be deemed to be exceeded solely as a result of fluctuations in the exchange rates of currencies. The principal amount of any Indebtedness Incurred to refinance other Indebtedness, if Incurred in a different currency from the Indebtedness being refinanced, shall be calculated based on the currency exchange rate applicable to the currencies in which such Refinancing Indebtedness is denominated that is in effect on the date of such refinancing.

Table of Contents

The Indenture does not treat (1) unsecured Indebtedness as subordinated or junior to secured Indebtedness merely because it is unsecured or (2) senior Indebtedness as subordinated or junior to any other senior Indebtedness merely because it has a junior priority with respect to the same collateral.

Limitation on Restricted Payments

The Issuer will not, and will not permit any of its Restricted Subsidiaries, directly or indirectly, to:

(1) declare or pay any dividend or make any payment or distribution on or in respect of the Issuer's Capital Stock (including any payment or distribution in connection with any merger or consolidation involving the Issuer or any of its Restricted Subsidiaries) except:

(a) dividends or distributions by the Issuer payable solely in Capital Stock of the Issuer (other than Disqualified Stock but including options, warrants or other rights to purchase such Capital Stock of the Issuer); and

(b) dividends or distributions payable to the Issuer or a Restricted Subsidiary and if such Restricted Subsidiary is not a Wholly-Owned Subsidiary, to minority stockholders (or owners of an equivalent interest in the case of a Subsidiary that is an entity other than a corporation) so long as the Issuer or a Restricted Subsidiary receives at least its pro rata share of such dividend or distribution;

(2) purchase, repurchase, redeem, defease or otherwise acquire or retire for value any Capital Stock of the Issuer or any direct or indirect parent of the Issuer held by Persons other than the Issuer or a Restricted Subsidiary (other than in exchange for Capital Stock of the Issuer (other than Disqualified Stock));

(3) purchase, repurchase, redeem, defease or otherwise acquire or retire for value, prior to scheduled maturity, scheduled repayment or scheduled sinking fund payment, any Subordinated Obligations or Guarantor Subordinated Obligations (other than (x) Indebtedness permitted under clause (3) of the second paragraph of the covenant described under " Limitation on Indebtedness and Preferred Stock" or (y) the purchase, repurchase, redemption, defeasance or other acquisition or retirement for value of Subordinated Obligations or Guarantor Subordinated Obligations purchased in anticipation of satisfying a sinking fund obligation, principal installment or final maturity, in each case due within one year of the date of purchase, repurchase, redemption, defeasance or other acquisition or retirement for value); or

(4) make any Restricted Investment in any Person;

(any such dividend, distribution, purchase, redemption, repurchase, defeasance, other acquisition, retirement or Restricted Investment referred to in clauses (1) through (4) shall be referred to herein as a "*Restricted Payment*"), if at the time the Issuer or such Restricted Subsidiary makes such Restricted Payment:

(a) a Default shall have occurred and be continuing (or would result therefrom);

(b) the Issuer is not able to Incur an additional \$1.00 of Indebtedness pursuant to the covenant described under the first paragraph under " Limitation on Indebtedness and Preferred Stock" after giving effect, on a pro forma basis, to such Restricted Payment; or

(c) the aggregate amount of such Restricted Payment and all other Restricted Payments declared or made subsequent to the Prior Issue Date would exceed the sum of:

(i) 50% of Consolidated Net Income for the period (treated as one accounting period) from January 1, 2013 to the end of the most recent fiscal quarter ending prior to the date of

Table of Contents

such Restricted Payment for which internal financial statements are in existence (or, in case such Consolidated Net Income is a deficit, *minus* 100% of such deficit);

(ii) 100% of the aggregate Net Cash Proceeds and the Fair Market Value of property or securities other than cash (including Capital Stock of Persons engaged primarily in the Oil and Gas Business or assets used in the Oil and Gas Business), in each case received by the Issuer from the issue or sale of its Capital Stock (other than Disqualified Stock) or other capital contributions subsequent to the Prior Issue Date (other than Net Cash Proceeds received from an issuance or sale of such Capital Stock to (x) management, employees, directors or any direct or indirect parent of the Issuer, to the extent such Net Cash Proceeds have been used to make a Restricted Payment pursuant to clause (5)(a) of the next succeeding paragraph, (y) a Subsidiary of the Issuer or (z) an employee stock ownership plan, option plan or similar trust (to the extent such sale to an employee stock ownership plan, option plan or similar trust is financed by loans from or guaranteed by the Issuer or any Restricted Subsidiary unless such loans have been repaid with cash on or prior to the date of determination));

(iii) the amount by which Indebtedness of the Issuer or its Restricted Subsidiaries is reduced on the Issuer's balance sheet upon the conversion or exchange (other than by a Subsidiary of the Issuer) subsequent to the Prior Issue Date of any Indebtedness of the Issuer or its Restricted Subsidiaries convertible or exchangeable for Capital Stock (other than Disqualified Stock) of the Issuer (less the amount of any cash, or the Fair Market Value of any other property (other than such Capital Stock), distributed by the Issuer upon such conversion or exchange), together with the net proceeds, if any, received by the Issuer or any of its Restricted Subsidiaries upon such conversion or exchange; and

(iv) the amount equal to the aggregate net reduction in Restricted Investments made by the Issuer or any of its Restricted Subsidiaries in any Person after the Prior Issue Date resulting from:

(A) repurchases, repayments or redemptions of such Restricted Investments by such Person, proceeds realized upon the sale of such Restricted Investment (other than to a Subsidiary of the Issuer), repayments of loans or advances or other transfers of assets (including by way of dividend or distribution) by such Person to the Issuer or any Restricted Subsidiary;

(B) the redesignation of Unrestricted Subsidiaries as Restricted Subsidiaries (valued in each case as provided in the definition of "*Investment*") not to exceed, in the case of any Unrestricted Subsidiary, the amount of Investments previously made by the Issuer or any Restricted Subsidiary in such Unrestricted Subsidiary, which amount in each case under this clause (iv) was included in the calculation of the amount of Restricted Payments; *provided, however*, that no amount will be included under this clause (iv) to the extent it is already included in Consolidated Net Income; and

(C) the sale by the Issuer or any Restricted Subsidiary (other than to the Issuer or a Restricted Subsidiary) of all or a portion of the Capital Stock of an Unrestricted Subsidiary or a distribution from an Unrestricted Subsidiary or a dividend from an Unrestricted Subsidiary (whether any such distribution or dividend is made with proceeds from the issuance by such Unrestricted Subsidiary of its Capital Stock or otherwise).

The provisions of the preceding paragraph will not prohibit:

(1) any Restricted Payment made by exchange for, or out of the proceeds of the substantially concurrent sale of, Capital Stock of the Issuer (other than Disqualified Stock and other than Capital Stock issued or sold to a Subsidiary of the Issuer or an employee stock ownership plan or similar trust to the extent such sale to an employee stock ownership plan or similar trust is

Table of Contents

financed by loans from or guaranteed by the Issuer or any Restricted Subsidiary unless such loans have been repaid with cash on or prior to the date of determination) or a substantially concurrent cash capital contribution received by the Issuer from its shareholders; *provided, however*, that (a) such Restricted Payment will be excluded from subsequent calculations of the amount of Restricted Payments and (b) the Net Cash Proceeds from such sale of Capital Stock or capital contribution will be excluded from clause (c)(ii) of the preceding paragraph;

(2) any purchase, repurchase, redemption, defeasance or other acquisition or retirement for value of Subordinated Obligations of the Issuer or Guarantor Subordinated Obligations of any Subsidiary Guarantor made by exchange for, or out of the proceeds of the substantially concurrent sale of, Subordinated Obligations of the Issuer or any purchase, repurchase, redemption, defeasance or other acquisition or retirement for value of Guarantor Subordinated Obligations made by exchange for or out of the proceeds of the substantially concurrent sale of Guarantor Subordinated Obligations that, in each case, is permitted to be Incurred pursuant to the covenant described under " Limitation on Indebtedness and Preferred Stock"*provided, however*, that such purchase, repurchase, redemption, defeasance, acquisition or retirement for value will be excluded from subsequent calculations of the amount of Restricted Payments;

(3) any purchase, repurchase, redemption, defeasance or other acquisition or retirement for value of Disqualified Stock of the Issuer or a Restricted Subsidiary made by exchange for, or out of the proceeds of the substantially concurrent sale of, Disqualified Stock of the Issuer or such Restricted Subsidiary, as the case may be, that, in each case, is permitted to be Incurred pursuant to the covenant described under " Limitation on Indebtedness and Preferred Stock"*provided, however*, that such purchase, repurchase, redemption, defeasance, acquisition or retirement for value will be excluded from subsequent calculations of the amount of Restricted Payments;

(4) dividends paid or distributions made within 60 days after the date of declaration if at such date of declaration such dividend or distribution would have complied with this covenant; *provided, however*, that such dividends and distributions will be included in subsequent calculations of the amount of Restricted Payments; and *provided further, however*, that for purposes of clarification, this clause (4) shall not include cash payments in lieu of the issuance of fractional shares included in clause (9) below;

(5) so long as no Default has occurred and is continuing, (a) the repurchase or other acquisition of Capital Stock (including options, warrants, equity appreciation rights or other rights to purchase or acquire Capital Stock) of the Issuer held by any existing or former employees, management or directors of the Issuer or any Restricted Subsidiary of the Issuer or their assigns, estates or heirs, in each case pursuant to the repurchase or other acquisition provisions under employee stock option or stock purchase plans or agreements or other agreements to compensate management, employees or directors, in each case approved by the Issuer's Board of Directors; *provided* that such repurchases or other acquisitions pursuant to this subclause (a) during any calendar year will not exceed \$2.0 million in the aggregate (with unused amounts in any calendar year being carried over to succeeding calendar years); *provided further*, that such amount in any calendar year may be increased by an amount not to exceed (A) the cash proceeds received by the Issuer from the sale of Capital Stock of the Issuer to members of management or directors of the Issuer and its Restricted Subsidiaries that occurs after the Prior Issue Date (to the extent the cash proceeds from the sale of such Capital Stock have not otherwise been applied to the payment of Restricted Payments by virtue of the clause (c) of the preceding paragraph), plus (B) the cash proceeds of key man life insurance policies received by the Issuer and its Restricted Subsidiaries after the Prior Issue Date, less (C) the amount of any Restricted Payments made pursuant to clauses (A) and (B) of this clause (5)(a); *provided further, however*, that the amount of any such repurchase or other acquisition under this subclause (a) will be excluded in subsequent calculations of the amount of Restricted Payments and the proceeds received from any such transaction will be

Table of Contents

excluded from clause (c)(ii) of the preceding paragraph; and (b) loans or advances to employees or directors of the Issuer or any Subsidiary of the Issuer, in each case as permitted by Section 402 of the Sarbanes-Oxley Act of 2002, the proceeds of which are used to purchase Capital Stock of the Issuer, or to refinance loans or advances made pursuant to this clause (5)(b), in an aggregate principal amount not in excess of \$2.0 million at any one time outstanding; *provided, however*, that the amount of such loans and advances will be included in subsequent calculations of the amount of Restricted Payments;

(6) purchases, repurchases, redemptions or other acquisitions or retirements for value of Capital Stock deemed to occur upon the exercise of stock options, warrants, rights to acquire Capital Stock or other convertible securities if such Capital Stock represents a portion of the exercise or exchange price thereof, and any purchases, repurchases, redemptions or other acquisitions or retirements for value of Capital Stock made in lieu of withholding taxes in connection with any exercise or exchange of warrants, options or rights to acquire Capital Stock; *provided, however*, that such acquisitions or retirements will be excluded from subsequent calculations of the amount of Restricted Payments;

(7) the purchase, repurchase, redemption, defeasance or other acquisition or retirement for value of any Subordinated Obligation (i) at a purchase price not greater than 101% of the principal amount of such Subordinated Obligation in the event of a Change of Control in accordance with provisions similar to the covenant described under " Change of Control" or (ii) at a purchase price not greater than 100% of the principal amount thereof in accordance with provisions similar to the covenant described under " Limitation on Sales of Assets and Subsidiary Stock"; *provided* that, prior to or simultaneously with such purchase, repurchase, redemption, defeasance or other acquisition or retirement, the Issuer has made the Change of Control Offer or Asset Disposition Offer, as applicable, as provided in such covenant with respect to the notes and has completed the repurchase or redemption of all notes validly tendered for payment in connection with such Change of Control Offer or Asset Disposition Offer; *provided, however*, that such acquisitions or retirements will be included in subsequent calculations of the amount of Restricted Payments;

(8) payments or distributions to dissenting stockholders pursuant to applicable law or in connection with the settlement or other satisfaction of legal claims made pursuant to or in connection with a consolidation, merger or transfer of assets; *provided, however*, that any payment pursuant to this clause (8) will be included in the calculation of the amount of Restricted Payments;

(9) cash payments in lieu of the issuance of fractional shares; *provided, however*, that any payment pursuant to this clause (9) will be excluded in the calculation of the amount of Restricted Payments;

(10) the declaration and payment of scheduled or accrued dividends to holders of any class of or series of Disqualified Stock of the Issuer issued after the Issue Date in accordance with the covenant captioned " Limitation on Indebtedness and Preferred Stock," to the extent such dividends are included in Consolidated Interest Expense; *provided, however*, that any payment pursuant to this clause (10) will be excluded in the calculation of the amount of Restricted Payments;

(11) Permitted Tax Distributions, if any, prior to October 16, 2013; and

(12) Restricted Payments in an amount not to exceed \$25 million in the aggregate since the Prior Issue Date; *provided, however*, that the amount of such Restricted Payments will be included in subsequent calculations of the amount of Restricted Payments.

Table of Contents

The amount of all Restricted Payments (other than cash) shall be the Fair Market Value on the date of such Restricted Payment of the asset(s) or securities proposed to be paid, transferred or issued by the Issuer or such Restricted Subsidiary, as the case may be, pursuant to such Restricted Payment, except that the Fair Market Value of any non-cash dividend or distribution made within 60 days after the date of declaration shall be determined as of such date. The Fair Market Value of any cash Restricted Payment shall be its face amount and the Fair Market Value of any non-cash Restricted Payment shall be determined in accordance with the definition of that term. Not later than the date of making any Restricted Payment in excess of \$15.0 million that will be included in subsequent calculations of the amount of Restricted Payments, the Issuer shall deliver to the Trustee an Officers' Certificate stating that such Restricted Payment is permitted and setting forth the basis upon which the calculations required by the this covenant were computed.

In the event that a Restricted Payment meets the criteria of more than one of the exceptions described in (1) through (12) above or is entitled to be made pursuant to the first paragraph above, the Issuer shall, in its sole discretion, classify such Restricted Payment.

The Issuer will not permit any Unrestricted Subsidiary to become a Restricted Subsidiary except pursuant to the last sentence of the definition of "Unrestricted Subsidiary." For purpose of designating any Restricted Subsidiary as an Unrestricted Subsidiary, all outstanding Investments by the Issuer and its Restricted Subsidiaries (except to the extent such Investments (i) are repaid or (ii) represent Permitted Investments) in the Subsidiary so designated will be deemed to be Restricted Payments in an amount determined as set forth in the last sentence of the definition of "Investment." Such designation will be permitted only if a Restricted Payment in such amount would be permitted at such time, whether pursuant to the first paragraph of this covenant or under clause (12) of the second paragraph of this covenant, or pursuant to the definition of "Permitted Investments," and if such Subsidiary otherwise meets the definition of an Unrestricted Subsidiary. Unrestricted Subsidiaries will not be subject to any of the restrictive covenants set forth in the Indenture.

Limitation on Liens

The Issuer will not, and will not permit any of its Restricted Subsidiaries to, directly or indirectly, create, Incur or suffer to exist any Lien (the "*Initial Lien*") other than Permitted Liens upon any of its property or assets (including Capital Stock of Restricted Subsidiaries), including any income or profits therefrom, whether owned on the date of the Indenture or acquired after that date, which Lien is securing any Indebtedness, unless contemporaneously with the Incurrence of such Lien effective provision is made to secure the notes or, in respect of Liens on any Restricted Subsidiary's property or assets, any Guarantee of such Restricted Subsidiary, equally and ratably with (or senior in priority to in the case of Liens with respect to Subordinated Obligations or Guarantor Subordinated Obligations, as the case may be) the Indebtedness secured by such Lien for so long as such Indebtedness is so secured.

Any Lien created for the benefit of the holders of the notes pursuant to the preceding paragraph shall provide by its terms that such Lien shall be automatically and unconditionally released and discharged upon the release and discharge of the Initial Lien.

Limitation on Restrictions on Distributions from Restricted Subsidiaries

The Issuer will not, and will not permit any Restricted Subsidiary to, create or otherwise cause or permit to exist or become effective any consensual encumbrance or consensual restriction on the ability of any such Restricted Subsidiary to:

- (1) pay dividends or make any other distributions on its Capital Stock or pay any Indebtedness or other obligations owed to the Issuer or any Restricted Subsidiary (it being understood that the priority of any Preferred Stock in receiving dividends or liquidating

Table of Contents

distributions prior to dividends or liquidating distributions being paid on Common Stock shall not be deemed a restriction on the ability to make distributions on Capital Stock);

(2) make any loans or advances to the Issuer or any Restricted Subsidiary (it being understood that the subordination of loans or advances made to the Issuer or any Restricted Subsidiary to other Indebtedness Incurred by the Issuer or any Restricted Subsidiary shall not be deemed a restriction on the ability to make loans or advances); or

(3) sell, lease or transfer any of its property or assets to the Issuer or any Restricted Subsidiary.

The preceding provisions will not prohibit:

(i) any encumbrance or restriction pursuant to or by reason of an agreement in effect at or entered into on the Issue Date, including, without limitation, the Indenture as in effect on such date;

(ii) any encumbrance or restriction with respect to a Person pursuant to or by reason of an agreement relating to any Capital Stock or Indebtedness Incurred by a Person on or before the date on which such Person was acquired by the Issuer or another Restricted Subsidiary (other than Capital Stock or Indebtedness Incurred as consideration in, or to provide all or any portion of the funds utilized to consummate, the transaction or series of related transactions pursuant to which such Person was acquired by the Issuer or a Restricted Subsidiary or in contemplation of the transaction) and outstanding on such date; *provided* that any such encumbrance or restriction shall not extend to any assets or property of the Issuer or any other Restricted Subsidiary other than the assets and property so acquired;

(iii) encumbrances and restrictions contained in contracts entered into in the ordinary course of business, not relating to any Indebtedness, and that do not, individually or in the aggregate, detract from the value of, or from the ability of the Issuer and the Restricted Subsidiaries to realize the value of, property or assets of the Issuer or any Restricted Subsidiary in any manner material to the Issuer or any Restricted Subsidiary;

(iv) any encumbrance or restriction with respect to a Unrestricted Subsidiary pursuant to or by reason of an agreement that the Unrestricted Subsidiary is a party to entered into before the date on which such Unrestricted Subsidiary became a Restricted Subsidiary; *provided* that such agreement was not entered into in anticipation of the Unrestricted Subsidiary becoming a Restricted Subsidiary and any such encumbrance or restriction shall not extend to any assets or property of the Issuer or any other Restricted Subsidiary other than the assets and property so acquired;

(v) with respect to any Foreign Subsidiary, any encumbrance or restriction contained in the terms of any Indebtedness or any agreement pursuant to which such Indebtedness was Incurred if either (1) the encumbrance or restriction applies only in the event of a payment default or a default with respect to a financial covenant in such Indebtedness or agreement or (2) the Issuer determines that any such encumbrance or restriction will not materially affect the Issuer's ability to make principal or interest payments on the notes, as determined in good faith by the Board of Directors of the Issuer, whose determination shall be conclusive;

(vi) any encumbrance or restriction with respect to a Restricted Subsidiary pursuant to an agreement effecting a refunding, replacement or refinancing of Indebtedness Incurred pursuant to an agreement referred to in clauses (i) through (v) or clause (xii) of this paragraph or this clause (vi) or contained in any amendment, restatement, modification, renewal, supplemental, refunding, replacement or refinancing of an agreement referred to in clauses (i) through (v) or clause (xii) of this paragraph or this clause (vi); *provided* that the encumbrances and restrictions

Table of Contents

with respect to such Restricted Subsidiary contained in any such agreement taken as a whole are no less favorable in any material respect to the holders of the notes than the encumbrances and restrictions contained in the agreements governing the Indebtedness being refunded, replaced or refinanced;

(vii) in the case of clause (3) of the first paragraph of this covenant, any encumbrance or restriction:

(a) that restricts in a customary manner the subletting, assignment or transfer of any property or asset that is subject to a lease (including leases governing leasehold interests or farm-in agreements or farm-out agreements relating to leasehold interests in Oil and Gas Properties), license or similar contract, or the assignment or transfer of any such lease (including leases governing leasehold interests or farm-in agreements or farm-out agreements relating to leasehold interests in Oil and Gas Properties), license (including, without limitation, licenses of intellectual property) or other contract;

(b) contained in mortgages, pledges or other security agreements permitted under the Indenture securing Indebtedness of the Issuer or a Restricted Subsidiary to the extent such encumbrances or restrictions restrict the transfer of the property subject to such mortgages, pledges or other security agreements;

(c) contained in any agreement creating Hedging Obligations permitted from time to time under the Indenture;

(d) pursuant to customary provisions restricting dispositions of real property interests set forth in any reciprocal easement agreements of the Issuer or any Restricted Subsidiary;

(e) restrictions on cash or other deposits imposed by customers under contracts entered into in the ordinary course of business; or

(f) provisions with respect to the disposition or distribution of assets or property in operating agreements, joint venture agreements, development agreements, area of mutual interest agreements and other agreements that are customary in the Oil and Gas Business and entered into in the ordinary course of business;

(viii) any encumbrance or restriction contained in (a) purchase money obligations for property acquired in the ordinary course of business and (b) Capitalized Lease Obligations permitted under the Indenture, in each case, that impose encumbrances or restrictions of the nature described in clause (3) of the first paragraph of this covenant on the property so acquired;

(ix) any encumbrance or restriction with respect to a Restricted Subsidiary (or any of its property or assets) imposed pursuant to an agreement entered into for the direct or indirect sale or disposition of all or a portion of the Capital Stock or assets of such Restricted Subsidiary (or the property or assets that are subject to such restriction) pending the closing of such sale or disposition;

(x) any customary encumbrances or restrictions imposed pursuant to any agreement of the type described in the definition of "Permitted Business Investment";

(xi) encumbrances or restrictions arising or existing by reason of applicable law or any applicable rule, regulation or order;

(xii) encumbrances or restrictions contained in agreements governing Indebtedness of the Issuer or any of its Restricted Subsidiaries permitted to be Incurred pursuant to an agreement entered into subsequent to the Issue Date in accordance with the covenant described under the caption " Limitation on Indebtedness and Preferred Stock"*provided* that the provisions relating to such encumbrance or restriction contained in such Indebtedness are not materially less favorable

Table of Contents

to the Issuer taken as a whole, as determined by the Board of Directors of the Issuer in good faith, than the provisions contained in the Senior Secured Credit Agreements and in the Indenture as in effect on the Issue Date;

(xiii) the issuance of Preferred Stock by a Restricted Subsidiary or the payment of dividends thereon in accordance with the terms thereof; *provided* that issuance of such Preferred Stock is permitted pursuant to the covenant described under the caption " Limitation on Indebtedness and Preferred Stock" and the terms of such Preferred Stock do not expressly restrict the ability of a Restricted Subsidiary to pay dividends or make any other distributions on its Capital Stock (other than requirements to pay dividends or liquidation preferences on such Preferred Stock prior to paying any dividends or making any other distributions on such other Capital Stock);

(xiv) supermajority voting requirements existing under corporate charters, bylaws, stockholders agreements and similar documents and agreements;

(xv) restrictions on cash or other deposits or net worth imposed by customers under contracts entered into in the ordinary course of business; and

(xvi) any encumbrance or restriction contained in the Senior Secured Credit Agreements as in effect as of the Issue Date, and in any amendments, modifications, restatements, renewals, increases, supplements, refundings, replacements or refinancings thereof; *provided* that such amendments, modifications, restatements, renewals, increases, supplements, refundings, replacements or refinancings are no more restrictive with respect to such dividend and other payment restrictions than those contained in the Senior Secured Credit Agreements as in effect on the Issue Date.

Limitation on Sales of Assets and Subsidiary Stock

The Issuer will not, and will not permit any of its Restricted Subsidiaries to, make any Asset Disposition unless:

(1) the Issuer or any of its Restricted Subsidiaries receives consideration at the time of such Asset Disposition at least equal to the Fair Market Value (such Fair Market Value to be determined on the date of contractually agreeing to such Asset Disposition) of the shares or other assets subject to such Asset Disposition;

(2) at least 75% of the aggregate consideration received by the Issuer or any of its Restricted Subsidiaries from such Asset Disposition and all other Asset Dispositions since the Issue Date, on a cumulative basis, is in the form of cash or Cash Equivalents or Additional Assets, or any combination thereof; and

(3) except as provided in the next paragraph, an amount equal to 100% of the Net Available Cash from such Asset Disposition is applied, within 365 days from the later of the date of such Asset Disposition or the receipt of such Net Available Cash, by the Issuer or such Restricted Subsidiary, as the case may be:

(a) to prepay, repay, redeem or purchase *Pari Passu* Indebtedness of the Issuer (including the notes) or a Subsidiary Guarantor or any Indebtedness (other than Disqualified Stock) of a Restricted Subsidiary that is not a Subsidiary Guarantor (in each case, excluding Indebtedness owed to the Issuer or an Affiliate of the Issuer); *provided, however*, that, in connection with any prepayment, repayment, redemption or purchase of Indebtedness pursuant to this clause (a), the Issuer or such Restricted Subsidiary will retire such Indebtedness and will cause the related commitment (if any) to be permanently reduced in an amount equal to the principal amount so prepaid, repaid, redeemed or purchased; or

(b) to invest in Additional Assets;

Table of Contents

provided that pending the final application of any such Net Available Cash in accordance with clause (a) or clause (b) above, the Issuer and its Restricted Subsidiaries may temporarily reduce Indebtedness or otherwise invest such Net Available Cash in any manner not prohibited by the Indenture.

Any Net Available Cash from Asset Dispositions that is not applied or invested as provided in the preceding paragraph will be deemed to constitute "Excess Proceeds." Not later than the 366th day from the later of the date of such Asset Disposition or the receipt of such Net Available Cash, if the aggregate amount of Excess Proceeds exceeds \$20.0 million, the Issuer will be required to make an offer ("*Asset Disposition Offer*") to all holders of notes and, to the extent required by the terms of other Pari Passu Indebtedness, to all holders of other Pari Passu Indebtedness outstanding with similar provisions requiring the Issuer to make an offer to purchase such Pari Passu Indebtedness with the proceeds from any Asset Disposition ("*Pari Passu Notes*") to purchase the maximum principal amount of Notes and any such Pari Passu Notes to which the Asset Disposition Offer applies that may be purchased out of the Excess Proceeds, at an offer price in cash in an amount equal to 100% of the principal amount (or, in the event such Pari Passu Indebtedness was issued with significant original issue discount, 100% of the accreted value thereof) of the notes and Pari Passu Notes plus accrued and unpaid interest, if any (or in respect of such Pari Passu Indebtedness, such lesser price, if any, as may be provided for by the terms of such Indebtedness), to, but excluding, the date of purchase (subject to the right of holders of record on the relevant record date to receive interest due on the relevant interest payment date), in accordance with the procedures set forth in the Indenture or the agreements governing the Pari Passu Notes, as applicable, in each case in minimum principal amount of \$2,000 and integral multiples of \$1,000 in excess of \$2,000. If the aggregate principal amount of notes surrendered by holders thereof and other Pari Passu Notes surrendered by holders or lenders, collectively, exceeds the amount of Excess Proceeds, the Trustee shall select the notes to be purchased on a pro rata basis on the basis of the aggregate principal amount of tendered notes and Pari Passu Notes. To the extent that the aggregate principal amount of notes and Pari Passu Notes so validly tendered and not properly withdrawn pursuant to an Asset Disposition Offer is less than the Excess Proceeds, the Issuer and its Restricted Subsidiaries may use any remaining Excess Proceeds for general corporate purposes, subject to the other covenants contained in the Indenture. Upon completion of such Asset Disposition Offer, the amount of Excess Proceeds shall be reset at zero.

The Asset Disposition Offer will remain open for a period of 20 Business Days following its commencement, except to the extent that a longer period is required by applicable law (the "*Asset Disposition Offer Period*"). No later than five Business Days after the termination of the Asset Disposition Offer Period (the "*Asset Disposition Purchase Date*"), the Issuer will purchase the principal amount of notes and Pari Passu Notes required to be purchased pursuant to this covenant (the "*Asset Disposition Offer Amount*") or, if less than the Asset Disposition Offer Amount has been so validly tendered and not properly withdrawn, all notes and Pari Passu Notes validly tendered and not properly withdrawn in response to the Asset Disposition Offer.

If the Asset Disposition Purchase Date is on or after an interest record date and on or before the related interest payment date, any accrued and unpaid interest, if any, will be paid to the Person in whose name a Note is registered at the close of business on such record date, and no further interest will be payable to holders who tender notes pursuant to the Asset Disposition Offer.

On or before the Asset Disposition Purchase Date, the Issuer will, to the extent lawful, accept for payment, on a pro rata basis to the extent necessary, the Asset Disposition Offer Amount of notes and Pari Passu Notes or portions of notes and Pari Passu Notes so validly tendered and not properly withdrawn pursuant to the Asset Disposition Offer, or if less than the Asset Disposition Offer Amount has been validly tendered and not properly withdrawn, all notes and Pari Passu Notes so validly tendered and not properly withdrawn, in each case in minimum principal amount of \$2,000 and integral multiples of \$1,000 in excess of \$2,000. The Issuer will deliver to the Trustee an Officers' Certificate

Table of Contents

stating that such notes or portions thereof were accepted for payment by the Issuer in accordance with the terms of this covenant and, in addition, the Issuer will deliver all certificates and notes required, if any, by the agreements governing the Pari Passu Notes. The Issuer or the paying agent, as the case may be, will promptly (but in any case not later than five Business Days after the termination of the Asset Disposition Offer Period) mail or deliver to each tendering holder of notes or holder or lender of Pari Passu Notes, as the case may be, an amount equal to the purchase price of the notes or Pari Passu Notes so validly tendered and not properly withdrawn by such holder or lender, as the case may be, and accepted by the Issuer for purchase, and the Issuer will promptly issue a new Note, and the Trustee, upon delivery of an Officers' Certificate from the Issuer, will authenticate and mail or deliver such new Note to such holder, in a principal amount equal to any unpurchased portion of the Note surrendered; *provided* that each such new Note will be in a minimum principal amount of \$2,000 or an integral multiple of \$1,000 in excess of \$2,000. In addition, the Issuer will take any and all other actions required by the agreements governing the Pari Passu Notes. Any Note not so accepted will be promptly mailed or delivered by the Issuer to the holder thereof. The Issuer will publicly announce the results of the Asset Disposition Offer on the Asset Disposition Purchase Date.

The Issuer will comply, to the extent applicable, with the requirements of Rule 14e-1 of the Exchange Act and any other securities laws or regulations in connection with the repurchase of notes pursuant to an Asset Disposition Offer. To the extent that the provisions of any securities laws or regulations conflict with provisions of this covenant, the Issuer will comply with the applicable securities laws and regulations and will not be deemed to have breached its obligations under the Indenture by virtue of its compliance with such securities laws or regulations.

For the purposes of clause (2) of the first paragraph of this covenant, the following will be deemed to be cash:

- (1) the assumption by the transferee of Indebtedness (other than Guarantor Subordinated Obligations or Disqualified Stock) of the Issuer or Indebtedness of a Restricted Subsidiary (other than Subordinated Obligations or Disqualified Stock of the Issuer and Guarantor Subordinated Obligations or Disqualified Stock of any Restricted Subsidiary that is a Subsidiary Guarantor) and the release of the Issuer or such Restricted Subsidiary from all liability on such Indebtedness in connection with such Asset Disposition (in which case the Issuer will, without further action, be deemed to have applied such deemed cash to Indebtedness in accordance with clause (3)(a) of the first paragraph of this covenant;
- (2) with respect to any Asset Disposition of oil and gas properties by the Issuer or any of its Restricted Subsidiaries in which the Issuer or such Restricted Subsidiary still retains an interest, any agreement by the transferee (or any Affiliate thereof) to pay all or a portion of, the costs and expenses related to the exploration, development, completion or production of such properties and activities related thereto; and
- (3) securities, notes or other obligations received by the Issuer or any Restricted Subsidiary from the transferee that are converted by the Issuer or such Restricted Subsidiary into cash within 180 days after receipt thereof.

Notwithstanding the foregoing, the 75% limitation referred to in clause (2) of the first paragraph of this covenant shall be deemed satisfied with respect to any Asset Disposition in which the cash or Cash Equivalents portion of the consideration received therefrom, determined in accordance with the foregoing provision on an after-tax basis, is equal to or greater than what the after-tax proceeds would have been had such Asset Disposition complied with the aforementioned 75% limitation.

The requirement of clause (3)(b) of the first paragraph of this covenant above shall be deemed to be satisfied if an agreement (including a lease, whether a capital lease or an operating lease) committing to make the acquisitions or expenditures referred to therein is entered into by the Issuer or

Table of Contents

its Restricted Subsidiary within the specified time period and such Net Available Cash is subsequently applied in accordance with such agreement within six months following such agreement.

The Issuer will not, and will not permit any Restricted Subsidiary to, engage in any Asset Swaps, unless:

- (1) at the time of entering into such Asset Swap and immediately after giving effect to such Asset Swap, no Default or Event of Default shall have occurred and be continuing or would occur as a consequence thereof; and
- (2) in the event such Asset Swap involves the transfer by the Issuer or any Restricted Subsidiary of assets having an aggregate Fair Market Value in excess of \$20.0 million, the terms of such Asset Swap have been approved by a majority of the members of the Board of Directors of the Issuer.

Limitation on Affiliate Transactions

The Issuer will not, and will not permit any of its Restricted Subsidiaries to, directly or indirectly, enter into, make, amend or conduct any transaction (including making a payment to, the purchase, sale, lease or exchange of any property or the rendering of any service), contract, agreement or understanding with or for the benefit of any Affiliate of the Issuer (an "Affiliate Transaction") unless:

- (1) the terms of such Affiliate Transaction are not materially less favorable to the Issuer or such Restricted Subsidiary, as the case may be, than those that could reasonably be expected to be obtained in a comparable transaction at the time of such transaction in arm's length dealings with a Person who is not such an Affiliate; and
- (2) either:
 - (a) if such Affiliate Transaction involves an aggregate consideration in excess of \$20.0 million but not greater than \$50.0 million, the Issuer delivers to the Trustee an Officers' Certificate certifying that such Affiliate Transaction satisfies the criteria in clause (1) above, or
 - (b) if such Affiliate Transaction involves an aggregate consideration in excess of \$50.0 million, the Issuer delivers to the Trustee a resolution adopted by a majority of the members of the Board of Directors of the Issuer having no personal stake in such transaction approving the terms of such transaction and set forth in an Officers' Certificate certifying that such Affiliate Transaction satisfies the criteria in clause (1) above.

The preceding paragraph will not apply to:

- (1) any Restricted Payment permitted to be made pursuant to the covenant described under " Limitation on Restricted Payments" or any Permitted Investment;
- (2) any issuance of Capital Stock (other than Disqualified Stock), or other payments, awards or grants in cash, Capital Stock (other than Disqualified Stock) or otherwise pursuant to, or the funding of, employment or severance agreements and other compensation arrangements, options to purchase Capital Stock (other than Disqualified Stock) of the Issuer, restricted stock plans, long-term incentive plans, stock appreciation rights plans, participation plans or similar employee benefits plans and/or insurance and indemnification arrangements provided to or for the benefit of directors and employees approved by the Board of Directors of the Issuer;
- (3) loans or advances to employees, officers or directors in the ordinary course of business of the Issuer or any of its Restricted Subsidiaries;

Table of Contents

(4) advances to or reimbursements of employees for moving, entertainment and travel expenses, drawing accounts and similar expenditures in the ordinary course of business of the Issuer or any of its Restricted Subsidiaries;

(5) any transaction between the Issuer and a Restricted Subsidiary or between Restricted Subsidiaries, and guarantees issued by the Issuer or a Restricted Subsidiary for the benefit of the Issuer or a Restricted Subsidiary, as the case may be, in accordance with the covenant described under " Limitation on Indebtedness and Preferred Stock";

(6) any transaction with a joint venture or similar entity which would constitute an Affiliate Transaction solely because the Issuer or a Restricted Subsidiary owns, directly or indirectly, an Equity Interest in or otherwise controls such joint venture or similar entity;

(7) the issuance or sale of any Capital Stock (other than Disqualified Stock) of the Issuer to an Affiliate, or the receipt by the Issuer of any capital contribution from its shareholders;

(8) indemnities of officers, directors and employees of the Issuer or any of its Restricted Subsidiaries permitted by bylaw or statutory provisions and any employment agreement or other employee compensation plan or arrangement entered into in the ordinary course of business by the Issuer or any of its Restricted Subsidiaries;

(9) the payment of reasonable compensation and fees paid to, and indemnity provided on behalf of, officers or directors of the Issuer or any Restricted Subsidiary;

(10) the performance of obligations of the Issuer or any of its Restricted Subsidiaries under the terms of any agreement to which the Issuer or any of its Restricted Subsidiaries is a party as of or on the Issue Date, as these agreements may be amended, modified, supplemented, extended or renewed from time to time; *provided, however*, that any future amendment, modification, supplement, extension or renewal entered into after the Issue Date will be permitted only to the extent that its terms are not materially more disadvantageous, taken as a whole, to the holders of the notes than the terms of the agreements in effect on the Issue Date;

(11) transactions with customers, clients, suppliers, or purchasers or sellers of goods or services, in each case in the ordinary course of business and otherwise in compliance with the terms of the Indenture, *provided* that in the reasonable determination of the Board of Directors of the Issuer or the senior management of the Issuer, such transactions are on terms not materially less favorable to the Issuer or the relevant Restricted Subsidiary than those that could reasonably be expected to be obtained in a comparable transaction at such time on an arm's length basis from a Person that is not an Affiliate of the Issuer;

(12) transactions with a Person (other than an Unrestricted Subsidiary) that is an Affiliate of the Issuer solely because the Issuer owns, directly or through a Restricted Subsidiary, an Equity Interest in such Person; and

(13) transactions between the Issuer or any Restricted Subsidiary and any Person, a director of which is also a director of the Issuer or any direct or indirect parent of the Issuer, and such director is the sole cause for such Person to be deemed an Affiliate of the Issuer or any Restricted Subsidiary; *provided, however*, that such director shall abstain from voting as a director of the Issuer or such direct or indirect parent, as the case may be, on any matter involving such other Person.

Provision of Financial Information

Whether or not we are subject to the reporting requirements of Section 13 or Section 15(d) of the Exchange Act, to the extent not prohibited by the Exchange Act, we will file with the SEC, and make available to the Trustee and the holders of the notes without cost to any holder, the annual reports and

Table of Contents

the information, documents and other reports (or copies of such portions of any of the foregoing as the SEC may by rules and regulations prescribe) that are specified in Sections 13 and 15(d) of the Exchange Act and applicable to a U.S. corporation within the time periods specified therein with respect to a non-accelerated filer. In the event that we are not permitted to file such reports, documents and information with the SEC pursuant to the Exchange Act, we will nevertheless make available such Exchange Act information to the Trustee and the holders of the notes without cost to any holder as if the Issuer were subject to the reporting requirements of Section 13 or 15(d) of the Exchange Act within the time periods specified therein with respect to a non-accelerated filer.

If we have designated any of our Subsidiaries as Unrestricted Subsidiaries, then the financial information required will include a reasonably detailed presentation, either on the face of the financial statements or in the footnotes thereto, and in any accompanying Management's Discussion and Analysis of Financial Condition and Results of Operations, of the financial condition and results of operations of us and our Restricted Subsidiaries separate from the financial condition and results of operations of the Unrestricted Subsidiaries.

The availability of the foregoing materials on the SEC's website or on our website shall be deemed to satisfy the foregoing delivery obligations.

Merger and Consolidation

The Issuer will not consolidate with or merge with or into or wind up into (whether or not it is the surviving Person), or sell, lease, transfer, convey or otherwise dispose of all or substantially all its assets in one or more related transactions to, any Person, unless:

(1) the resulting, surviving or transferee Person (the "Successor Company") will be a corporation, partnership, trust or limited liability company organized and existing under the laws of the United States of America, any State of the United States or the District of Columbia and the Successor Company (if not the Issuer) will expressly assume, by supplemental indenture, executed and delivered to the Trustee, in form reasonably satisfactory to the Trustee, all the obligations of the Issuer under the Indenture and the notes;

(2) immediately after giving effect to such transaction (and treating any Indebtedness that becomes an obligation of the Successor Company or any Subsidiary of the Successor Company as a result of such transaction as having been Incurred by the Successor Company or such Subsidiary at the time of such transaction), no Default or Event of Default shall have occurred and be continuing;

(3) immediately after giving effect to such transaction on a pro forma basis and any related financing transactions as if the same had occurred at the beginning of the applicable four quarter period, either (A) the Successor Company would be able to Incur at least an additional \$1.00 of Indebtedness pursuant to the first paragraph of the covenant described under " Limitation on Indebtedness and Preferred Stock" or (B) the Consolidated Coverage Ratio of the Issuer is equal to or greater than the Consolidated Coverage Ratio of Issuer immediately before such transaction;

(4) if the Issuer is not the Successor Company, each Subsidiary Guarantor (unless it is the other party to the transactions, in which case clause (1) shall apply) shall have by supplemental indenture confirmed that its Guarantee shall apply to the Successor Company's obligations in respect of the Indenture and the notes and that its Guarantee shall continue to be in effect; and

(5) the Issuer shall have delivered to the Trustee an Officers' Certificate and an Opinion of Counsel, each stating that such transaction and such supplemental indenture (if any) comply with the Indenture.

Table of Contents

For purposes of this covenant, the sale, lease, transfer, conveyance, or other disposition of all or substantially all of the assets of one or more Subsidiaries of the Issuer, which assets, if held by the Issuer instead of such Subsidiaries, would constitute all or substantially all of the assets of the Issuer on a consolidated basis, shall be deemed to be the disposition of all or substantially all of the assets of the Issuer.

The Successor Company will succeed to, and be substituted for, and may exercise every right and power of, the Issuer under the Indenture; and its predecessor, except in the case of a lease of all or substantially all its assets, will be released from all obligations under the Indenture and the notes.

Although there is a limited body of case law interpreting the phrase "substantially all," there is no precise established definition of the phrase under applicable law. Accordingly, in certain circumstances there may be a degree of uncertainty as to whether a particular transaction would involve "all or substantially all" of the assets of a Person.

Notwithstanding the preceding clause (3), (x) any Restricted Subsidiary may consolidate with, merge into or wind up into, or dispose of all or part of its assets to the Issuer and the Issuer may consolidate with, merge into or wind up into, or dispose of all or part of its assets to a Subsidiary Guarantor and (y) the Issuer may merge with or into an Affiliate incorporated solely for the purpose of reorganizing the Issuer in another jurisdiction; and *provided further* that, in the case of a Restricted Subsidiary that consolidates with, merges into, winds up into or disposes of all or part of its properties and assets to the Issuer, the Issuer will not be required to comply with the preceding clause (5).

In addition, the Issuer will not permit any Subsidiary Guarantor to consolidate with, merge with or into or wind up into, and will not permit the disposition of all or substantially all of the assets of any Subsidiary Guarantor to, any Person (other than the Issuer or another Subsidiary Guarantor) unless:

- (1) (a) the resulting, surviving or transferee Person will be a corporation, partnership, trust or limited liability company organized and existing under the laws of the United States of America, any State of the United States or the District of Columbia and such Person (if not such Subsidiary Guarantor) will expressly assume, by supplemental indenture, executed and delivered to the Trustee, all the obligations of such Subsidiary Guarantor under its Guarantee; and (b) immediately after giving effect to such transaction (and treating any Indebtedness that becomes an obligation of the resulting, surviving or transferee Person or any Restricted Subsidiary as a result of such transaction as having been Incurred by such Person or such Restricted Subsidiary at the time of such transaction), no Default shall have occurred and be continuing; or
- (2) the transaction results in the release of the Subsidiary Guarantor from its obligations under the Indenture and its Guarantee after and upon compliance with the provisions described under " Guarantees"; and
- (3) the Issuer will have delivered to the Trustee an Officers' Certificate and an Opinion of Counsel, each stating that such transaction and such supplemental indenture (if any) comply with the Indenture.

Future Subsidiary Guarantors

We will cause (a) each of our Wholly-Owned Subsidiaries (other than a Foreign Subsidiary) formed or acquired after the Issue Date and (b) any other Domestic Subsidiary that is not already a Subsidiary Guarantor that guarantees any of our Indebtedness or any Indebtedness of a Subsidiary Guarantor, in each case to execute and deliver to the Trustee within 30 days a supplemental indenture (in the form specified in the Indenture) pursuant to which such Subsidiary will unconditionally guarantee, on a joint and several basis, the full and prompt payment of the principal of, premium, if any, and interest on the notes on a senior basis; *provided* that any Restricted Subsidiary that constitutes an Immaterial Subsidiary need not become a Subsidiary Guarantor until such time as it ceases to be an Immaterial Subsidiary.

Table of Contents

Payments for Consent

Neither we nor any of our Restricted Subsidiaries will, directly or indirectly, pay or cause to be paid any consideration, whether by way of interest, fees or otherwise, to any holder of any notes for or as an inducement to any consent, waiver or amendment of any of the terms or provisions of the Indenture or the notes unless such consideration is offered to be paid or is paid to all holders of the notes that consent, waive or agree to amend in the time frame set forth in the solicitation documents relating to such consent, waiver or amendment.

Covenant Termination

From and after the occurrence of an Investment Grade Rating Event, we and our Restricted Subsidiaries will no longer be subject to the provisions of the Indenture described above under " Certain Covenants" under the following subheadings:

- " Limitation on Indebtedness and Preferred Stock,"
- " Limitation on Restricted Payments,"
- " Limitation on Restrictions on Distributions from Restricted Subsidiaries,"
- " Limitation on Sales of Assets and Subsidiary Stock,"
- " Limitation on Affiliate Transactions" and
- Clause (3) of " Merger and Consolidation"

(collectively, the "Eliminated Covenants"). As a result, after the date on which we and our Restricted Subsidiaries are no longer subject to the Eliminated Covenants, the notes will be entitled to substantially reduced covenant protection.

After the foregoing covenants have been terminated, we may not designate any of our Subsidiaries as Unrestricted Subsidiaries pursuant to the second sentence of the definition of "Unrestricted Subsidiary."

Events of Default

Each of the following is an Event of Default with respect to the notes:

- (1) default in any payment of interest on any note when due, continued for 30 days;
- (2) default in the payment of principal of or premium, if any, on any note when due at its Stated Maturity, upon optional redemption, upon required repurchase, upon declaration of acceleration or otherwise;
- (3) failure by the Issuer or any Subsidiary Guarantor to comply with its obligations under " Certain Covenants Merger and Consolidation";
- (4) failure by the Issuer to comply for 30 days (or 180 days in the case of a Reporting Failure) after notice as provided below with any of its obligations under the covenant described under " Change of Control" above or under the covenants described under " Certain Covenants" above (in each case, other than a failure to purchase notes which will constitute an Event of Default under clause (2) above and other than a failure to comply with " Certain Covenants Merger and Consolidation" which is covered by clause (3));
- (5) failure by the Issuer to comply for 60 days after notice as provided below with its other agreements contained in the Indenture;

Table of Contents

(6) default under any mortgage, indenture or instrument under which there may be issued or by which there may be secured or evidenced any Indebtedness for money borrowed by the Issuer or any of its Restricted Subsidiaries (or the payment of which is guaranteed by the Issuer or any of its Restricted Subsidiaries), other than Indebtedness owed to the Issuer or a Restricted Subsidiary, whether such Indebtedness or guarantee existed at the Issue date, or was created thereafter, which default:

(a) is caused by a failure to pay principal of, or interest or premium, if any, on such Indebtedness prior to the expiration of the grace period provided in such Indebtedness (and any extensions of any grace period) ("*payment default*"); or

(b) results in the acceleration of such Indebtedness prior to its Stated Maturity (the "*cross acceleration provision*");

and, in each case, the principal amount of any such Indebtedness, together with the principal amount of any other such Indebtedness under which there has been a payment default or the maturity of which has been so accelerated, aggregates \$10.0 million or more;

(7) certain events of bankruptcy, insolvency or reorganization of the Issuer or a Significant Subsidiary or group of Restricted Subsidiaries that, taken together (as of the latest audited consolidated financial statements for the Issuer and its Restricted Subsidiaries), would constitute a Significant Subsidiary (the "*bankruptcy provisions*");

(8) failure by the Issuer or any Significant Subsidiary or group of Restricted Subsidiaries that, taken together (as of the latest audited consolidated financial statements for the Issuer and its Restricted Subsidiaries), would constitute a Significant Subsidiary to pay final judgments aggregating in excess of \$10.0 million (to the extent not covered by insurance by a reputable and creditworthy insurer as to which the insurer has not disclaimed coverage), which judgments are not paid or discharged, and there shall be any period of 60 consecutive days following entry of such final judgment or decree during which a stay of enforcement of such final judgment or decree, by reason of pending appeal or otherwise, shall not be in effect (the "*judgment default provision*"); or

(9) any Guarantee of a Significant Subsidiary or group of Restricted Subsidiaries that, taken together (as of the latest audited consolidated financial statements for the Issuer and its Restricted Subsidiaries) would constitute a Significant Subsidiary, ceases to be in full force and effect (except as contemplated by the terms of the Indenture) or is declared null and void in a judicial proceeding or the Issuer or any Subsidiary Guarantor that is a Significant Subsidiary or group of Subsidiary Guarantors that, taken together (as of the latest audited consolidated financial statements of the Issuer and its Restricted Subsidiaries) would constitute a Significant Subsidiary, denies or disaffirms its obligations under the Indenture or its Guarantee.

However, a default under clauses (4) and (5) of this paragraph will not constitute an Event of Default until the Trustee or the holders of at least 25% in principal amount of the outstanding notes notify the Issuer in writing and, in the case of a notice given by the holders, the Trustee of the default and the Issuer does not cure such default within the time specified in clauses (4) and (5) of this paragraph after receipt of such notice.

If an Event of Default (other than an Event of Default described in clause (7) above) occurs and is continuing, the Trustee by notice to the Issuer, or the holders of at least 25% in principal amount of the outstanding notes by notice to the Issuer and the Trustee, may, and the Trustee at the request of such holders shall, declare the principal of, premium, if any, accrued and unpaid interest, if any, on all the notes to be due and payable. If an Event of Default described in clause (7) above occurs and is continuing, the principal of, premium, if any, accrued and unpaid interest, if any, on all the notes will become and be immediately due and payable without any declaration or other act on the part of the Trustee or any holders. The holders of a majority in principal amount of the outstanding notes may

Table of Contents

rescind any such acceleration with respect to the notes and its consequences if, among other requirements, (1) rescission would not conflict with any judgment or decree of a court of competent jurisdiction and (2) all existing Events of Default, other than the nonpayment of the principal of, premium, if any, and interest on the notes that have become due solely by such declaration of acceleration, have been cured or waived.

Notwithstanding the foregoing, if an Event of Default specified in clause (6) above shall have occurred and be continuing, such Event of Default and any consequential acceleration (to the extent not in violation of any applicable law or in conflict with any judgment or decree of a court of competent jurisdiction) shall be automatically rescinded if (i) the Indebtedness that is the subject of such Event of Default has been repaid or (ii) if the default relating to such Indebtedness is waived by the holders of such Indebtedness or cured and if such Indebtedness has been accelerated, then the holders thereof have rescinded their declaration of acceleration in respect of such Indebtedness, in each case within 20 days after the declaration of acceleration with respect thereto, and (iii) any other existing Events of Default, except nonpayment of principal, premium or interest on the notes that became due solely because of the acceleration of the notes, have been cured or waived.

Subject to the provisions of the Indenture relating to the duties of the Trustee if an Event of Default occurs and is continuing, the Trustee will be under no obligation to exercise any of the rights or powers under the Indenture at the request or direction of any of the holders unless such holders have offered to the Trustee reasonable indemnity or security against any loss, liability or expense. Except to enforce the right to receive payment of principal, premium, if any, or interest when due, no holder may pursue any remedy with respect to the Indenture or the notes unless:

- (1) such holder has previously given the Trustee notice that an Event of Default is continuing;
- (2) holders of at least 25% in principal amount of the outstanding notes have requested the Trustee to pursue the remedy;
- (3) such holders have offered the Trustee reasonable security or indemnity against any loss, liability or expense;
- (4) the Trustee has not complied with such request within 60 days after the receipt of the request and the offer of security or indemnity; and
- (5) the holders of a majority in principal amount of the outstanding notes have not waived such Event of Default or otherwise given the Trustee a direction that, in the opinion of the Trustee, is inconsistent with such request within such 60-day period.

Subject to certain restrictions, the holders of a majority in principal amount of the outstanding notes are given the right to direct the time, method and place of conducting any proceeding for any remedy available to the Trustee or of exercising any trust or power conferred on the Trustee. If an Event of Default has occurred and is continuing, the Trustee will be required in the exercise of its powers to use the degree of care that a prudent person would use in the conduct of his own affairs. The Trustee, however, 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 any other holder or that would involve the Trustee in personal liability. Prior to taking any action under the Indenture, the Trustee will be entitled to indemnification satisfactory to it in its sole discretion against all losses and expenses caused by taking or not taking such action.

If a Default occurs and is continuing and is known to the Trustee, the Trustee must send to each holder notice of the Default within 90 days after it occurs. Except in the case of a Default in the payment of principal of, premium, if any, or interest on any note, the Trustee may withhold such notice if and so long as a committee of trust officers of the Trustee in good faith determines that withholding

Table of Contents

notice is in the interests of the holders. In addition, the Issuer is required to deliver to the Trustee, within 120 days after the end of each fiscal year, a certificate indicating whether the signers thereof know of any Default that occurred during the previous year. The Issuer also is required to deliver to the Trustee, within 30 days after the occurrence thereof, written notice of any Defaults, their status and what action the Issuer is taking or proposing to take in respect thereof.

Amendments and Waivers

Subject to certain exceptions, the Indenture and the notes may be amended with the consent of the holders of a majority in principal amount of the notes then outstanding (including without limitation, consents obtained in connection with a purchase of, or tender offer or exchange offer for, notes) and, subject to certain exceptions, any past default or compliance with any provisions may be waived with the consent of the holders of a majority in principal amount of the notes then outstanding (including, without limitation, consents obtained in connection with a purchase of, or tender offer or exchange offer for, notes). However, without the consent of each holder of an outstanding note affected, no amendment may, among other things:

- (1) reduce the principal amount of notes whose holders must consent to an amendment or waiver;
- (2) reduce the stated rate of or extend the stated time for payment of interest on any note;
- (3) reduce the principal of or extend the Stated Maturity of any note;
- (4) reduce the premium payable upon the redemption of any note as described above under " Optional Redemption," change the time at which any Note may be redeemed as described above under " Optional Redemption" (except provisions relating to minimum required notice of optional redemption) or make any change relative to our obligation to make an offer to repurchase the notes as a result of a Change of Control as described above under " Change of Control" after (but not before) the occurrence of such Change of Control;
- (5) make any note payable in money other than that stated in the Note;
- (6) impair the right of any holder to receive payment of the principal of, premium, if any, and interest on such holder's notes on or after the due dates therefor or to institute suit for the enforcement of any payment on or with respect to such holder's notes;
- (7) make any change in the amendment provisions which require each holder's consent or in the waiver provisions;
- (8) modify the Guarantees in any manner adverse to the holders of the notes; or
- (9) make any change to or modify the ranking of the notes that would adversely affect the holders.

Notwithstanding the foregoing, without the consent of any holder, the Issuer, the Subsidiary Guarantors and the Trustee may amend the Indenture and the notes to:

- (1) cure any ambiguity, omission, defect, mistake or inconsistency;
- (2) provide for the assumption by a successor of the obligations of the Issuer or any Subsidiary Guarantor under the Indenture;
- (3) provide for uncertificated notes in addition to or in place of certificated notes (*provided* that the uncertificated notes are issued in registered form for purposes of Section 163(f) of the Code);

Table of Contents

- (4) add Subsidiary Guarantors with respect to the notes or release a Subsidiary Guarantor from its Guarantee and terminate such Guarantee; *provided* that the release and termination is in accordance with the applicable provisions of the Indenture;
- (5) secure the notes or Guarantees;
- (6) add to the covenants of the Issuer or a Subsidiary Guarantor for the benefit of the holders or surrender any right or power conferred upon the Issuer or a Subsidiary Guarantor;
- (7) make any change that does not adversely affect the rights of any holder; *provided, however*, that any change to conform the Indenture to the "Description of Notes" in our offering memorandum relating to the old notes issued on March 17, 2015 will not be deemed to adversely affect such legal rights;
- (8) comply with any requirement of the SEC in connection with the qualification of the Indenture under the Trust Indenture Act; or
- (9) provide for the succession of a successor Trustee, *provided* that the successor Trustee is otherwise qualified and eligible to act as such under the Indenture.

The consent of the holders will not be necessary under the Indenture to approve the particular form of any proposed amendment. It is sufficient if such consent approves the substance of the proposed amendment. A consent to any amendment or waiver under the Indenture by any holder of notes given in connection with a tender of such holder's notes will not be rendered invalid by such tender. After an amendment under the Indenture requiring the consent of the holders becomes effective, the Issuer will be required to send to the holders a notice briefly describing such amendment. However, the failure to give such notice to all the holders, or any defect in the notice will not impair or affect the validity of the amendment.

Defeasance

The Issuer at any time may terminate all its obligations under the notes and the Indenture ("*legal defeasance*"), except for certain obligations, including those respecting the defeasance trust and obligations to register the transfer or exchange of the notes, to replace mutilated, destroyed, lost or stolen notes and to maintain a registrar and paying agent in respect of the notes.

The Issuer at any time may terminate its obligations described under " Change of Control" and the obligations of itself under the covenants described under " Certain Covenants" (other than clauses (1), (2), (4) and (5) of " Merger and Consolidation"), the operation of the cross default upon a payment default, cross acceleration provisions, the bankruptcy provisions with respect to Significant Subsidiaries, the judgment default provision, the Subsidiary Guarantee provision described under " Events of Default" above and the limitations contained in clause (3) under " Certain Covenants Merger and Consolidation" above ("*covenant defeasance*").

If the Issuer exercises its legal defeasance or its covenant defeasance option, the Guarantees in effect at such time will terminate.

The Issuer may exercise its legal defeasance option notwithstanding its prior exercise of its covenant defeasance option. If the Issuer exercises its legal defeasance option, payment of the notes may not be accelerated because of an Event of Default with respect to the notes. If the Issuer exercises its covenant defeasance option, payment of the notes may not be accelerated because of an Event of Default specified in clause (4), (5), (6), (7) (with respect only to Significant Subsidiaries), (8) or (9) under " Events of Default" above or because of the failure of the Issuer to comply with clause (3) under " Certain Covenants Merger and Consolidation" above.

Table of Contents

In order to exercise either legal defeasance or covenant defeasance:

(1) the Issuer must irrevocably deposit with the Trustee, in trust, for the benefit of the holders of the notes, cash in U.S. dollars, U.S. Government Obligations, or a combination thereof, in amounts as will be sufficient, in the opinion of an accounting, appraisal or investment banking firm of national standing, to pay the principal of, premium, if any, on, and interest, if any, on, the outstanding notes on the stated date for payment thereof or on the applicable redemption date, as the case may be, and the Issuer must specify whether the notes are being defeased to such stated date for payment or to a particular redemption date (*provided* that if such redemption is made as provided in the fourth paragraph under " Optional Redemption," (x) the amount of cash in U.S. dollars, U.S. Government Obligations, or a combination thereof, that must be irrevocably deposited will be determined using an assumed Applicable Premium calculated as of the date of such deposit and (y) the depositor must irrevocably deposit or cause to be deposited additional money in trust on the redemption date as necessary to pay the Applicable Premium as determined on such date);

(2) in the case of legal defeasance, the Issuer must deliver to the Trustee an Opinion of Counsel reasonably acceptable to the Trustee confirming that (a) the Issuer has received from, or there has been published by, the Internal Revenue Service a ruling or (b) since the Issue Date, there has been a change in the applicable federal income tax law, in either case to the effect that, and based thereon such opinion of counsel will confirm that, the holders of the outstanding notes will not recognize income, gain or loss for federal income tax purposes as a result of such legal defeasance and will be subject to federal income tax on the same amounts, in the same manner and at the same times as would have been the case if such legal defeasance had not occurred;

(3) in the case of covenant defeasance, the Issuer must deliver to the Trustee an Opinion o