

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

**FORM S-8
REGISTRATION STATEMENT
UNDER
THE SECURITIES ACT OF 1933**

QEP RESOURCES, INC.

(Exact name of Registrant as specified in its charter)

Delaware
(State or Other Jurisdiction of Incorporation or Organization) 87-0287750
(IRS Employer Identification Number)

QEP Resources, Inc. 2010 Long-Term Stock Incentive Plan
(Full title of the plan)

**1050 17th Street, Suite 500
Denver, Colorado 80265
303-672-6900**

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

**Eric L. Dady
Vice President and General Counsel
QEP Resources, Inc.**

**1050 17th Street, Suite 500
Denver, Colorado 80265
303-672-6961**

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

**COPY TO:
Michael E. Dillard
Latham & Watkins LLP
717 Texas Avenue, Ste. 1600
Houston, Texas 77002
Telephone: (713) 546-5400**

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. (Check one):

Large accelerated filer Accelerated filer
Non-accelerated filer (Do not check if a smaller reporting company) Smaller reporting company

CALCULATION OF REGISTRATION FEE

Title of Securities to be Registered	Amount to be Registered (1)	Proposed Maximum Offering Price Per Share(2)	Proposed Maximum Aggregate Offering Price(2)	Amount of Registration Fee
Common Stock, par value \$0.01	21,000,000	\$ 33.075	\$ 694,575,000	\$ 49,524

- (1) In accordance with Rule 416 under the Securities Act of 1933, as amended, the number of shares of common stock registered hereby is subject to adjustment to prevent dilution resulting from stock splits, stock dividends or similar transactions; provided, however, that the provisions of Rule 416 shall not cover any additional shares issued as a result of the stock split of QEP Resources, Inc.'s common stock to be effected on June 30, 2010.
- (2) Estimated solely for the purpose of computing the registration fee pursuant to Rule 457(h) under the Securities Act of 1933, as amended, and calculated based on the average of the high and low sales prices of the registrant's common stock in the "when issued" trading market as reported on the New York Stock Exchange on June 22, 2010.

EXPLANATORY NOTE

QEP Resources, Inc. (the “Company” or “QEP”) is a Delaware corporation formed on May 17, 2010 as a wholly-owned subsidiary of Questar Market Resources, Inc. (“QMR”) in contemplation of the spin-off of QMR’s shares of common stock to the shareholders of Questar Corporation (“Questar”). In order to reincorporate QMR in the State of Delaware, QMR merged with and into the Company on May 18, 2010.

On June 12, 2010, the board of directors of Questar approved the distribution of all the shares of the Company’s common stock and, on June 30, 2010, Questar will distribute one share of QEP common stock, par value \$0.01 per share, for each share of Questar common stock held by Questar shareholders of record as of the close of business on June 18, 2010.

In connection with the spin-off, the Company is adopting the QEP Resources, Inc. 2010 Long-Term Stock Incentive Plan (the “LTSIP”) to permit the issuance of awards to our employees and Questar employees in connection with the spin-off in partial substitution of awards previously issued by Questar (the “Conversion Awards”). In addition to authorizing the issuance of the Conversion Awards, the LTSIP will also permit the issuance of stock options, stock appreciation rights, performance shares, restricted stock, restricted stock units and stock unit awards.

PART I

INFORMATION REQUIRED IN THE SECTION 10(a) PROSPECTUS

Note: The document(s) containing the plan information required by Item 1 of Form S-8 and the statement of availability of registrant information and any other information required by Item 2 of Form S-8 will be sent or given to participants as specified by Rule 428 under the Securities Act of 1933, as amended (the “Securities Act”). In accordance with Rule 428 and the requirements of Part I of Form S-8, such documents are not being filed with the Securities and Exchange Commission (the “Commission”) either as part of this registration statement or as prospectuses or prospectus supplements pursuant to Rule 424 under the Securities Act. The Company shall maintain a file of such documents in accordance with the provisions of Rule 428. Upon request, QEP shall furnish to the Commission or its staff a copy or copies of all of the documents included in such file.

PART II

INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

Item 3. Incorporation of Documents by Reference.

The following documents and information previously filed by QEP with the Commission are incorporated by reference in this registration statement (other than information furnished rather than filed):

- our Annual Report on Form 10-K for the year ended December 31, 2009;
- our Quarterly Report on Form 10-Q for the quarter ended March 31, 2010;
- our Current Reports on Form 8-K filed with the Commission on May 24, 2010 and June 16, 2010; and
- the description of QEP’s common stock set forth in the Registration Statement on Form 8-A (File No. 001-34778) filed pursuant to Section 12 of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), on June 15, 2010.

In addition, all documents filed by QEP pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act (other than information furnished rather than filed) on or after the date of this registration statement, and prior to the filing of a post-effective amendment to this registration statement that indicates that all securities offered hereby have been sold or that deregisters all securities then remaining unsold, shall be deemed to be incorporated by reference in this registration statement and to be a part hereof from the date of filing of such documents. Any statement contained in a document incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded for purposes of this registration statement to the extent that a statement contained herein modifies or supersedes such statement. Any such statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this registration statement.

Item 4. Description of Securities.

Not applicable.

Item 5. Interests of Named Experts and Counsel.

Not applicable.

Item 6. Indemnification of Officers and Directors.

The Company's amended and restated bylaws (the "bylaws") provide that the Company will indemnify, at least to the fullest extent permitted by applicable law, any person who was or is made or is threatened to be made a party or is otherwise involved in any action, suit or proceeding, whether civil, criminal, administrative or investigative, by reason of the fact that he, or a person for whom he is the legal representative, is or was a director or officer of the Company or, while a director or officer of the Company, is or was serving at the request of the Company as a director, officer, employee or agent of another corporation or of a partnership, joint venture, trust, enterprise or nonprofit entity, including service with respect to employee benefit plans, against all liability and loss suffered and expenses (including attorneys' fees) reasonably incurred by such person. The Company will also indemnify any person in connection with a proceeding commenced by that person only if the proceeding was authorized by the Company's board of directors.

In addition, the Company may, in its discretion and on terms as it may determine, indemnify any person who was or is made or is threatened to be made a party or is otherwise involved in any proceeding by reason of the fact that he is or was an employee or agent of the Company or, while an employee or agent of the Company, is or was serving at the request of the Company as an employee or agent of another corporation or of a partnership, joint venture, trust, enterprise or nonprofit entity, including service with respect to employee benefit plans, against all liability and loss suffered and expenses (including attorneys' fees) reasonably incurred by such employee or agent.

Except as prohibited by applicable law, QEP will pay the expenses (including attorneys' fees) incurred by a person, indemnified pursuant to QEP's bylaws, in defending any proceeding in advance of its final disposition, provided, however, that, to the extent required by law, such payment of expenses in advance of the final disposition of the proceeding will be made only upon receipt of an undertaking by that person to repay all amounts advanced if it is determined that he is not entitled to indemnification under the bylaws. Similarly, QEP may, in its discretion and on terms and conditions as it may deem appropriate, pay the expenses (including attorneys' fees) incurred by an employee or agent of QEP.

If a written claim for indemnification or payment of expenses received by the Company and made pursuant to the Company's bylaws is not paid in full within sixty days, with respect to indemnification, or twenty days, with respect to payment of expenses, the person seeking indemnification may file suit to recover the unpaid amount of such claim and, if successful in whole or in part, shall be entitled to be paid the expense of prosecuting such claim to the fullest extent permitted by law. The Company will have the burden of proving that the person is not entitled to the requested indemnification or payment of expenses under applicable law.

The rights conferred on any person indemnified pursuant to the Company's bylaws will not be exclusive of any other rights which he may have or subsequently acquire under any statute, provision of the Company's certificate of incorporation, its bylaws, agreement, vote of stockholders or disinterested directors or otherwise.

Pursuant to Section 145 of the General Corporation Law of the State of Delaware (the "DGCL"), QEP has the power to indemnify its current and former directors, officers, employees and agents against expenses and liabilities that they incur in connection with any suit to which they are, or are threatened to be made, a party by reason of their serving in such positions so long as they acted in good faith and in a manner they reasonably believed to be in, or not opposed to, QEP's best interests, and with respect to any criminal action, they had no reasonable cause to believe their conduct was unlawful. With respect to suits by or in QEP's right, however, indemnification is generally limited to attorneys' fees and other expenses and is not available if such person is adjudged to be liable to QEP unless the court determines that indemnification is appropriate. The statute expressly provides that the power to indemnify authorized thereby is not exclusive of any rights granted under any bylaw, agreement, vote of stockholders or disinterested directors, or otherwise. QEP also has the power to purchase and maintain insurance for such persons.

Although the above discussion summarizes the material provisions of QEP's bylaws and Section 145 of the DGCL, it is not intended to be exhaustive and is qualified in its entirety by each of those documents and that statute.

Item 7. Exemption from Registration Claimed.

Not applicable.

Item 8. Exhibits.

Exhibit No.	Description
4.1	Certificate of Incorporation of QEP Resources, Inc. (incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K (file no. 000-30321) filed on May 24, 2010).
4.2	Amended and Restated Bylaws of QEP Resources, Inc., deemed effective May 18, 2010 (incorporated by reference to Exhibit 3.2 to the Company's Current Report on Form 8-K (file no. 000-30321) filed on May 24, 2010).
4.3	QEP Resources, Inc. 2010 Long-Term Stock Incentive Plan (incorporated by reference to Exhibit 10.9 to the Company's Current Report on Form 8-K (file no. 000-30321) filed on June 16, 2010).
5.1*	Opinion of Latham & Watkins LLP.
23.1*	Consent of Latham & Watkins LLP (included in the opinion filed as Exhibit 5.1 to this registration statement).
23.2*	Consent of Ernst & Young LLP, independent registered public accounting firm.
23.3*	Consent of Ryder Scott Company, L.P.
24.1*	Power of Attorney (included on the signature page of this registration statement).

* Filed herewith.

Item 9. Undertakings.

The undersigned registrant hereby undertakes:

- (1) To file, during any period in which offers or sales are being made of the securities registered hereby, a post-effective amendment to this Registration Statement:
 - (i) To include any prospectus required by Section 10(a)(3) of the Securities Act;
 - (ii) To reflect in the prospectus any facts or events arising after the effective date of this Registration Statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in this Registration Statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than 20% change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement;
 - (iii) To include any material information with respect to the plan of distribution not previously disclosed in this Registration Statement or any material change to such information in this Registration Statement;

provided, however, that the undertakings set forth in paragraphs (1)(i) and (1)(ii) above do not apply if the registration statement is on Form S-8 and the information required to be included in a post-effective amendment by those paragraphs is contained in periodic reports filed with or furnished to the Commission by the Company pursuant to Section 13 or Section 15(d) of the Exchange Act that are incorporated by reference in this Registration Statement.

- (2) That, for the purpose of determining any liability under the Securities Act, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.
- (3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act, each filing of the registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Exchange Act that is incorporated by reference in this Registration Statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.

Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers and controlling persons of QEP pursuant to the foregoing provisions, or otherwise, QEP has been advised that in the opinion of the Commission such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by QEP of expenses incurred or paid by a director, officer or controlling person of QEP in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, QEP will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Form S-8 to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Denver, State of Colorado, on June 23, 2010.

QEP Resources, Inc.

By: /s/ Charles B. Stanley
Charles B. Stanley
President and Chief Executive Officer

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Charles B. Stanley and Richard J. Doleshek, and each of them, either of whom may act without joinder of the other, his true and lawful attorneys-in-fact and agents, with full power of substitution and resubstitution, for him and in his name, place and stead, in any and all capacities, to sign any or all amendments (including post-effective amendments) to this registration statement, and to file the same, with all exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission, granting unto such attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully to all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, and each of them, or the substitute or substitutes of either of them, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, as amended, this registration statement on Form S-8 has been signed below by the following persons in the capacities indicated below on June 23, 2010.

Signature	Title
<u>/s/ Keith O. Rattie</u> Keith O. Rattie	Chairman of the Board
<u>/s/ Charles B. Stanley</u> Charles B. Stanley	President, Chief Executive Officer and Director (Principal Executive Officer)
<u>/s/ Richard J. Doleshek</u> Richard J. Doleshek	Executive Vice President, Chief Financial Officer and Treasurer (Principal Financial Officer and Principal Accounting Officer)
<u>/s/ James A. Harmon</u> James A. Harmon	Director
<u>/s/ Phillips S. Baker, Jr.</u> Phillips S. Baker, Jr.	Director
<u>/s/ L. Richard Flury</u> L. Richard Flury	Director
<u>/s/ Robert E. McKee, III</u> Robert E. McKee, III	Director
<u>/s/ M. W. Scoggins</u> M. W. Scoggins	Director

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24.1*	Power of Attorney (included on the signature page of this registration statement).
*	Filed herewith.

June 23, 2010

QEP Resources, Inc.
1050 17th Street, Suite 500
Denver, CO 80265

Re: Registration Statement on Form S-8 with respect to 21,000,000 shares of Common Stock, par value \$0.01 per share

Ladies and Gentlemen:

We have acted as special counsel to QEP Resources, Inc., a Delaware corporation (the "Company"), in connection with the proposed issuance of up to 21,000,000 shares of common stock, par value \$0.01 per share (the "Shares"), under the terms of the QEP Resources, Inc. 2010 Long-Term Stock Incentive Plan (the "Plan"). The Shares are included in a registration statement on Form S-8 under the Securities Act of 1933, as amended (the "Act"), filed with the Securities and Exchange Commission (the "Commission") on June 23, 2010 (the "Registration Statement"). This opinion is being furnished in connection with the requirements of Item 601(b) (5) of Regulation S-K under the Act, and no opinion is expressed herein as to any matter pertaining to the contents of the Registration Statement or related Prospectus, other than as expressly stated herein with respect to the issue of the Shares.

As such counsel, we have examined such matters of fact and questions of law as we have considered appropriate for purposes of this letter. With your consent, we have relied upon certificates and other assurances of officers of the Company and others as to factual matters without having independently verified such factual matters. We are opining herein as to the General Corporation Law of the State of Delaware, and we express no opinion with respect to any other laws.

Subject to the foregoing and the other matters set forth herein, it is our opinion that, as of the date hereof, when the Shares have been duly registered on the books of the transfer agent and registrar therefor in the name or on behalf of the recipient, and have been issued by the Company against payment therefor (not less than par value) in the circumstances contemplated by the Plan, assuming in each case that the individual grants or awards under the Plan are duly authorized by all necessary corporate action and duly granted or awarded and exercised in accordance with the requirements of law and the Plan (and the agreements and awards duly adopted thereunder and in accordance therewith), the issuance and sale of the Shares will have been duly authorized by all necessary corporate action of the Company, and the Shares will be validly issued, fully paid and nonassessable.

This opinion is for your benefit in connection with the Registration Statement and may be relied upon by you and by persons entitled to rely upon it pursuant to the applicable provisions of the Act. We consent to your filing this opinion as an exhibit to the Registration Statement. In giving such consent, we do not thereby admit that we are in the category of persons whose consent is required under Section 7 of the Act or the rules and regulations of the Commission thereunder.

Very truly yours,

/s/ Latham & Watkins LLP

Latham & Watkins LLP

Exhibit 23.2

Consent of Independent Registered Public Accounting Firm

We consent to the incorporation by reference in this Registration Statement on Form S-8 pertaining to the 2010 Long-Term Stock Incentive Plan of QEP Resources, Inc. of our report dated March 5, 2010, with respect to the consolidated financial statements and schedule of Questar Market Resources, Inc. (predecessor of QEP Resources, Inc.) included in its Annual Report (Form 10-K) for the year ended December 31, 2009, filed with the Securities and Exchange Commission.

/s/ Ernst & Young LLP

Salt Lake City, Utah
June 22, 2010



TBPE FIRM LIC. NO. F-1580 **RYDER SCOTT COMPANY**
PETROLEUM CONSULTANTS

FAX (303) 623-4258

621 SEVENTEENTH STREET SUITE 1550 DENVER, COLORADO 80293 TELEPHONE (303) 623-9147

Exhibit 23.3

CONSENT OF INDEPENDENT PETROLEUM ENGINEERS AND GEOLOGISTS

We hereby consent to the incorporation by reference in this Registration Statement on Form S-8 of QEP Resources, Inc. of our appraisal reports for QEP Energy Company (formerly, Questar Exploration and Production Company) as of the years ended December 31, 2009, 2008 and 2007 originally included in the Annual Report on Form 10-K of QEP Resources, Inc. (formerly, Questar Market Resources, Inc.) filed with the Securities and Exchange Commission on March 8, 2010.

/s/ Ryder Scott Company.
RYDER SCOTT COMPANY, L.P.

Denver, Colorado
June 23, 2010