GASTAR EXPLORATION LTD Form 8-K May 19, 2009

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

FORM 8-K

CURRENT REPORT PURSUANT TO SECTION 13 OR 15(D) OF THE SECURITIES EXCHANGE ACT OF 1934

Date of Report (Date of earliest event reported): May 19, 2009 (May 18, 2009)

GASTAR EXPLORATION LTD.

(Exact Name of Registrant as Specified in Its Charter)

ALBERTA, CANADA 001-32714 98-0570897 (State or other jurisdiction (Commission (IRS Employer of incorporation) File Number) Identification No.)

1331 LAMAR STREET, SUITE 1080 HOUSTON, TEXAS 77010 (Address of principal executive offices)

(713) 739-1800

(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

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

SECTION 7 - REGULATION FD

Item 7.01 Regulation FD Disclosure.

On May 18, 2009, Gastar Exploration Ltd. (the "Company") issued a press release announcing the commencement of an underwritten public offering of 36,500,000 common shares to purchasers in the United States. The Company will grant the underwriter a 30-day option to purchase up to 5,475,000 additional common shares to cover any overallotment. The Company will file a preliminary prospectus supplement relating to the offering to its existing shelf registration statement on Form S-3, which was declared effective by the U.S. Securities and Exchange Commission on April 27, 2007. A copy of the Company's press release, dated May 18, 2009, including such information, is furnished herewith as Exhibit 99.1 and is incorporated by reference herein.

In accordance with General Instruction B.2 of Form 8-K, the information presented herein under Item 7.01 and set forth in the attached Exhibit 99.1 is deemed to be "furnished" and shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to the liabilities of that section, nor shall such information and Exhibit be deemed incorporated by reference into any filing under the Securities Act of 1933 or the Securities Exchange Act of 1934, each as amended.

ITEM 9.01 - FINANCIAL STATEMENTS AND EXHIBITS

(d) Exhibits

The following is a list of exhibits furnished as part of this Form 8-K:

Exhibit

No. Description of Document

99.1 Press release dated May 18, 2009.

SIGNATURES

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

GASTAR EXPLORATION LTD.

Date: May 19, 2009 /s/ J. RUSSELL PORTER

J. Russell Porter

Chairman, President and Chief Executive Officer

EXHIBIT INDEX

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99.1 Press release dated May 18, 2009.