

GASTAR EXPLORATION LTD  
Form 8-K  
March 25, 2010

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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): March 25, 2010 (March 25, 2010)

GASTAR EXPLORATION LTD.  
(Exact Name of Registrant as Specified in Its Charter)

ALBERTA, CANADA  
(State or other jurisdiction  
of incorporation)

001-32714  
(Commission  
File Number)

98-0570897  
(I.R.S. Employer  
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))
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SECTION 2 – FINANCIAL INFORMATION

Item 2.02 Results of Operations and Financial Condition.

On March 25, 2010, Gastar Exploration Ltd. (the “Company”) issued a press release announcing the Company’s financial results for the three and twelve months ended December 31, 2009. A copy of the Company’s press release, dated March 25, 2010, is furnished herewith as Exhibit 99.1 and is incorporated herein by reference.

In accordance with General Instruction B.2 of Form 8-K and the Securities and Exchange Commission Release No. 33-8176, the information presented herein under Item 2.02 and under Item 9.01 related thereto of Form 8-K, shall not be deemed to be “filed” for purposes of Section 18 of the Securities Exchange Act of 1934, or otherwise subject to the liabilities of that section, and is not deemed to be incorporated by reference into any filing under the Securities Act of 1933, as amended, or the Securities Exchange Act of 1934.

SECTION 9 – FINANCIAL STATEMENTS AND EXHIBITS

Item 9.01 Financial Statements and Exhibits.

(d) Exhibit

The following exhibit is hereby furnished as part of this Current Report on Form 8-K under Item 2.01 and Item 9.01 of Form 8-K and shall not be deemed filed.

Exhibit No. Description of Document

99.1	Press release dated March 25, 2010 announcing the Company’s financial results for the three and twelve months ended December 31, 2009.
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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: March 25, 2010

By:

/s/ J. Russell Porter  
J. Russell Porter  
President and Chief Executive  
Officer

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EXHIBIT INDEX

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