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Gastar Exploration Inc. Form 8-K		
September 09, 2014		
UNITED STATES SECURITIES AND EXCH Washington, D.C. 20549	ANGE COMMISSION	
FORM 8-K		
CURRENT REPORT PURSUANT TO SECTION SECURITIES EXCHANGE		
Date of Report (Date of ear	liest event reported): Septe	ember 8, 2014 (September 8, 2014)
GASTAR EXPLORATION (Exact Name of Registrant		
(State or other jurisdiction (Comm	001-35211	38-3531640
	(Commission File Number)	(IRS Employer
of incorporation)	•	Identification No.)
1331 LAMAR STREET, ST HOUSTON, TEXAS 77010 (Address of principal executoffices)	)	
(713) 739-1800 (Registrant's telephone num	nber, including area code)	
		ng is intended to simultaneously satisfy the filing obligation of ee General Instruction A.2. below):

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.

On September 8, 2014, Gastar Exploration Inc. (the "Company") issued a press release providing an update on its operations in the Utica and Marcellus Shales and the Mid-Continent. A copy of the Company's press release, dated September 8, 2014, is furnished herewith as Exhibit 99.1 and is incorporated herein by reference.

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 press release included as Exhibit 99.1 to this report is deemed to be "furnished" solely pursuant to Item 7.01 of this report and shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to the liabilities of that section, nor shall such information or the exhibit be deemed incorporated by reference into any filing under the Securities Act of 1933, as amended, or the Exchange Act.

### SECTION 9 - FINANCIAL STATEMENTS AND EXHIBITS

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 September 8, 2014 providing an update on the Company's operations in the Utica and Marcellus Shales and the Mid-Continent.

### **SIGNATURES**

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

Date: September 8, 2014 GASTAR EXPLORATION INC.

By: /s/ J. Russell Porter J. Russell Porter

President and Chief Executive Officer

### **EXHIBIT INDEX**

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