Form 8	Exploration Inc. 3-K aber 19, 2014		
SECU	ED STATES RITIES AND EXCHANGE COM ngton, D.C. 20549	1MISSION	
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): September 18, 2014 (September 18, 2014)			
	AR EXPLORATION INC.  Name of Registrant as Specified	in its Charter)	
DELAWARE (State or other jurisdiction of incorporation)		001-35211 (Commission File Number)	38-3531640 (IRS Employer Identification No.)
1331 LAMAR STREET, SUITE 650 HOUSTON, TEXAS 77010 (Address of principal executive offices)			
	739-1800 trant's telephone number, includin	ng area code)	
		Form 8-K filing is intended to simult provisions (see General Instruction	aneously satisfy the filing obligation of 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 September 18, 2014, Gastar Exploration Inc. (the "Company") issued a press release announcing pricing of a public offering of 17,000,000 shares of its common stock, par value \$0.001 per share. A copy of the Company's press release, dated September 18, 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 18, 2014.

### **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.

Date: September 18, 2014 GASTAR EXPLORATION INC.

By: /s/ J. Russell Porter

J. Russell Porter

President and Chief Executive Officer

## EXHIBIT INDEX

Exhibit No. Description of Document

99.1 Press release dated September 18, 2014.