Gastar Exploration I Form 8-K March 10, 2016	nc.		
Waten 10, 2010			
UNITED STATES			
SECURITIES AND	EXCHANGE COMMISSION	ON	
Washington, D.C. 20	0549		
FORM 8-K			
CUDDENT DEDOD	T		
CURRENT REPOR	ECTION 13 OR 15(D) OF T	ue	
	HANGE ACT OF 1934	ne.	
SECONTILS EXCI	IMMOLITED OF 1934		
Date of Report (Date	e of earliest event reported):	March 10, 2016 (March 10, 2	2016)
GASTAR EXPLOR	ATION INC.		
(Exact Name of Reg	istrant as Specified in its Ch	aarter)	
	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)

(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 2 – FINANCIAL INFORMATION

Item 2.02 Results of Operations and Financial Condition.

On March 10, 2016, Gastar Exploration Inc. (the "Company") issued a press release announcing the Company's financial results for the three months and year ended December 31, 2015. A copy of the Company's press release, dated March 10, 2016, 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 2.02 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 2.02 of this report and shall not be deemed to be "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 be deemed incorporated by reference into any filing under the Securities Act of 1933, as amended (the "Securities Act"), or the Exchange Act.

SECTION 7 - REGULATION FD

Item 7.01 Regulation FD Disclosure.

On March 10, 2016, the Company announced that it has declared a monthly cash dividend on its 8.625% Series A Preferred Stock and its 10.75% Series B Preferred Stock for March 2016. A copy of the Company's press release, dated March 10, 2016, is furnished herewith as Exhibit 99.2 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 99.2 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 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 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 March 10, 2016 announcing the Company's financial results for the three months and year ended December 31, 2015.
99.2	Press release dated March 10, 2016 announcing that the Company has declared a monthly cash dividend for March 2016.

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

Date: March 10, 2016 INC.

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

EXHIBIT INDEX

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