Gastar Exploration In Form 8-K February 24, 2016	ic.			
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UNITED STATES				
SECURITIES AND EXCHANGE COMMISSION				
Washington, D.C. 20	549			
FORM 8-K				
CURRENT REPORT	Γ			
PURSUANT TO SEC	CTION 13 OR 15(D) OF TI	НЕ		
SECURITIES EXCHANGE ACT OF 1934				
520011125 21101				
Date of Report (Date	of earliest event reported):	February 23, 2016 (February	19, 2016)	
GASTAR EXPLORA	ATION INC.			
(Exact 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)

(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 1 – REGISTRANT'S BUSINESS AND OPERATIONS

Item 1.01 Entry into a Material Definitive Agreement.

On February 19, 2016, Gastar Exploration Inc. (the "Company") entered into a purchase and sale agreement (the "Sale Agreement") with an affiliate of Tug Hill Inc. to sell substantially all of its producing assets and proved reserves and a significant portion of its undeveloped acreage in the Appalachian Basin for \$80.0 million, subject to customary closing adjustments. The transaction is expected to close on or before March 31, 2016, subject to customary closing conditions, including certain required lessor consents to assign, with an effective date of January 1, 2016. The Sale Agreement contains customary representations and warranties and covenants, including provisions for indemnification, subject to the limitations described in the Sale Agreement.

The description of the Sale Agreement set forth in this Item 1.01 is not complete and is qualified in its entirety by reference to the full text of the Sale Agreement, which is included as Exhibit 2.1 to this Form 8-K and is incorporated herein by reference.

SECTION 2 - FINANCIAL INFORMATION

Item 2.02 Results of Operations and Financial Condition.

On February 22, 2016, the Company announced its total proved reserves as of December 31, 2015, certain preliminary fourth quarter 2015 operating results, limited 2016 capital budget information and first quarter 2016 production guidance. A copy of the Company's press release, dated February 22, 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 in 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 "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.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

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

Exhibit

No.	Description of Document
2.1*	Purchase and Sale Agreement, dated February 19, 2016, by and between Gastar Exploration Inc. and THQ
	Appalachia I, LLC.

99.1 Press release dated February 22, 2016.

^{*} Pursuant to Item 601(b)(2) of Regulation S-K, the schedules and similar attachments to Exhibit 2.1 have not been filed herewith. The registrant agrees to furnish supplementally a copy of any omitted schedule to the Securities Exchange Commission upon request.

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: February 23, 2016 INC.

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

EXHIBIT INDEX

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