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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): 03/02/2007

**Wells Real Estate Investment Trust, Inc.**

(Exact name of registrant as specified in its charter)

Commission File Number: 000-25739

MD  
(State or other jurisdiction of  
incorporation)

58-2328421  
(IRS Employer  
Identification No.)

6200 The Corners Parkway  
Norcross, GA 30092-3365  
(Address of principal executive offices, including zip code)

770-449-7800  
(Registrant's telephone number, including area code)

(Former name or former address, if changed since last report)

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:

- 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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Information to be included in the report

**Item 8.01. Other Events**

On March 2, 2007, the board of directors of Wells Real Estate Investment Trust, Inc. (the "Registrant") declared dividends for the first quarter of 2007 in the amount of \$0.1467 (14.67 cents) per share on the outstanding common shares of the Registrant to all stockholders of record of such shares as shown on the books of the Registrant at the close of business on March 15, 2007. Such dividends are to be paid on such date during the month of March 2007 as the President of the Registrant may determine.

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**Signature(s)**

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.

Wells Real Estate Investment Trust, Inc.

Date: March 05, 2007

By: /s/ Douglas P. Williams

Douglas P. Williams  
Executive Vice President