

(772) 617-4340

(Registrant's Telephone Number, Including Area Code)

n/a

(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 (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 (17CFR 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))

Item 8.01.

Other Events.

On February 16, 2011, ARMOUR Residential REIT, Inc. (ARMOUR) announced that announced that the proceeds from its most recently completed equity raise has been fully deployed into agency mortgage assets. A copy of ARMOUR s press release announcing the foregoing is attached hereto as Exhibit 99.1 and incorporated herein by reference.

Item 9.01.

Financial Statements and Exhibits.

(c) Exhibits

Exhibit

No. Description

99.1 Press Release, dated February 16, 2011

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.

Dated: February 16, 2011

ARMOUR RESIDENTIAL REIT, INC.

By: /s/ Jeffrey J. Zimmer

Name: Jeffrey J. Zimmer

Title: Co-Chief Executive Officer, President and Co-Vice Chairman

Exhibit Index

| <u>Exhibit No.</u> | <u>Description</u> |
|-------------------------------|--|
| 99.1 | Press Release, dated February 16, 2011 |