
**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) **August 5, 2010**

ARMOUR Residential REIT, Inc.

(Exact Name of Registrant as Specified in Its Charter)

Maryland

(State or Other Jurisdiction
of Incorporation)

001-33736

(Commission File Number)

26-1908763

(I.R.S. Employer Identification No.)

956 Beachland Blvd., Suite 11

Vero Beach, Florida

(Address of Principal Executive Offices)

32963

(Zip Code)

(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))
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Item 2.02 Results of Operation and Financial Condition

On August 5, 2010, ARMOUR Residential REIT, Inc. (“ARMOUR”) issued a press release (the “Press Release”) announcing its financial results for the fiscal quarter ended June 30, 2010, a copy of which is furnished hereto as Exhibit 99.1.

In the Press Release, ARMOUR provided certain financial information for the fiscal quarter ended June 30, 2010 that was not calculated in accordance with Generally Accepted Accounting Principles (the “Non-GAAP Information”). Generally, for purposes of Regulation G under the Securities Exchange Act of 1934, Non-GAAP Information is any numerical measure of a company’s performance, financial position, or cash flows that either excludes or includes amounts that are not normally excluded or included in the most directly comparable measure calculated and presented in accordance with GAAP. ARMOUR’s management believes that because it has historically provided similar non-GAAP Financial Information in its earnings releases, continuing to do so provides consistency in its financial reporting and continuity to investors for comparability purposes.

The Non-GAAP Financial Information should be considered in addition to results that are prepared under current accounting standards but should not be considered a substitute for, or superior to, financial information prepared in accordance with GAAP. The Non-GAAP Financial Information may differ from similarly titled measures presented by other companies. The Non-GAAP Financial Information, as well as other information in the Press Release, should be read in conjunction with ARMOUR’s financial statements filed with the Securities and Exchange Commission. The information set forth in Item 2.02 in this Form 8-K is being furnished and shall not be deemed “filed” for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to the liabilities of that Section. The information set forth in Item 2.02 in this Form 8-K shall not be incorporated by reference into any registration statement or other document pursuant to the Securities Act of 1933, as amended.

Item 9.01. Financial Statements and Exhibits.

(c) Exhibits

Exhibit No.	Description
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99.1	Press Release, dated August 5, 2010, announcing ARMOUR’s financial results for the fiscal quarter ended June 30, 2010.
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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: August 5, 2010

ARMOUR RESIDENTIAL REIT, INC.

By: /s/ Jeffrey J. Zimmer

Name: Jeffrey J. Zimmer

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

Exhibit Index

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**ARMOUR Residential REIT, Inc. Reports 18.2%
Annualized CORE Income for Q2 2010**

August 5, 2010

ARMOUR Residential REIT, Inc. (NYSE Amex: "ARR" and "ARR.WS") ("ARMOUR" or the "Company") today announced financial results for the quarter ended June 30, 2010.

Second Quarter 2010 Highlights

- REIT taxable earnings of approximately \$979,000
- Declared and paid \$921,622 in Q2 2010 dividends
- Q2 dividend paid equals annualized taxable yield on March 31, 2010 equity of 17.2%
- Issued 5,110,000 shares of common stock in an underwritten public offering at \$6.75 per share on June 21, 2010
- June 30, 2010 book value per common share of \$7.33
- Average yield on assets of 2.98% and average net interest spread of 2.61%
- Annualized average principal repayment rate (CPR) for Q2 2010 of 15.4%
- ARMOUR was fully invested as of July 22, 2010 following its equity capital raise

Second Quarter 2010 Results

REIT Taxable Earnings and CORE Earnings

Estimated REIT taxable earnings for the three-months ended June 30, 2010, were approximately \$979,000 of which \$921,622 was paid out as dividends on July 29, 2010 to the 2,304,054 shares of common stock outstanding for stockholders of record on June 3, 2010 (\$0.40 per share as of June 3, 2010). The estimated REIT taxable earnings represents an annualized taxable return on March 31, 2010 equity of 18.3%. The amount paid out as dividends represents an annualized return on March 31, 2010 equity of 17.2%. The Company distributes dividends based on its estimate of taxable earnings per common share, not GAAP (generally accepted accounting principles) earnings. REIT taxable earnings and GAAP earnings will differ primarily because the non-taxable unrealized changes in the value of the Company's interest rate hedges are included in GAAP earnings whereas, because they are not realized, hedge valuation changes are not included in taxable earnings.

Core earnings for the quarter ended June 30, 2010, were \$973,482. Core earnings annualized return on equity was 18.2% based on March 31, 2010 equity. "Core earnings" represents a non-GAAP measure and is defined as net income (loss) excluding impairment losses, gains or losses on sales of securities and early termination of interest rate hedges, unrealized gains or losses on interest rate hedges, and certain non-recurring expenses. CORE earnings may differ from GAAP earnings as GAAP earnings include the unrealized change in the value of the Company's interest rate hedging program and in Q2 2010 certain non-recurring, non-taxable, expenses. ARMOUR was fully invested as of July 22, 2010 after completing the deployment of its June 2010 equity capital raise.

GAAP Earnings

During the quarter ended June 30, 2010, the Company lost approximately (\$700,000). The Company reported a non-realized change in the value of interest rate hedges of (\$1,456,525), which along with certain non-recurring, non-taxable expense items, accounts for the difference between the approximately \$979,000 of REIT taxable earnings and GAAP earnings.

Dividends

The Company declared a dividend of \$0.40 per each of the 2,304,054 common shares outstanding as of June 3, 2010 which was paid on July 29, 2010. The dividend payment totaled \$921,622 compared to approximate taxable REIT income in the quarter of \$979,000.

Equity Capital Raise

The Company issued 5,110,000 shares of common stock in an underwritten public offering at \$6.75 per share on June 21, 2010. As of June 30, 2010 there were 7,414,054 common shares outstanding.



Portfolio

The Company's portfolio, consisting of Fannie Mae, Freddie Mac and Ginnie Mae mortgage securities, was valued at \$477.6 million as of June 30, 2010, which included \$114.8 million of unsettled transactions at fair market value. During the second quarter of 2010, the annualized yield on average assets was 2.98% and the annualized cost of funds on average liabilities (including realized cost of hedges) was 0.37% resulting in a net interest spread of 2.61% for the quarter.

The \$477.6 million portfolio of Agency securities at June 30, 2010 consisted of 65.8% Hybrid ARMs and 10.2% ARMs. The Company defines "Hybrid ARMs" as those adjustable rate Agency securities with longer than 18 months to rate reset and "ARMs" as those adjustable Agency securities with rate resets shorter than 19 months. The Company's portfolio also consisted of 24.0% of fixed rate Agency assets comprised primarily of fifteen year final maturity fully amortizing Agency securities with original principal loan balances no larger than \$85,000.

Portfolio Financing, Leverage and Interest Rate Hedges

As of June 30, 2010, the Company financed its portfolio with approximately \$334.7 million of borrowings under repurchase agreements. The Company's debt-to-shareholders' equity ratio as of June 30, 2010 was 6.2 to 1. The Company's repurchase agreements had a weighted-average term of approximately 25 days. The Company also uses Eurodollar futures contracts to hedge financing rate risk. As of June 30, 2010, the Company had a notional amount of \$165.0 million of various maturities of Eurodollar futures contracts sold. The Eurodollar futures contracts have an average remaining term of 42 months at an average fixed rate of 1.60%.

Book Value

The Company's book value (shareholders' equity) per common share outstanding on June 30, 2010 was \$54.3 million or \$7.33 per each of the 7,414,054 common shares outstanding on that date.

Regulation G Reconciliation

REIT taxable income is calculated according to the requirements of the Internal Revenue Code rather than GAAP. For the year ending December 31, 2010, ARMOUR plans to distribute at least 90% of its REIT taxable income in order to maintain its tax qualification as a REIT. The following table reconciles ARMOUR's consolidated results from operations to REIT taxable income for the three months ended June 30, 2010:

	Three Months ended June 30, 2010
GAAP net income	(700,343)
Plus: GAAP net loss of taxable REIT subsidiary included above	5,572
GAAP net income from REIT operations	<u>(694,771)</u>
 Add: Change in value of interest rate hedge and non-recurring, non-taxable, formation expenses	 1,673,825
 REIT estimated taxable income	 \$ <u>979,054</u>

ARMOUR believes that the foregoing reconciliation of REIT taxable income is useful to investors because REIT taxable income is directly related to the amount of dividends the Company is required to distribute in order to maintain its REIT tax qualification status. However, because REIT taxable income is an incomplete measure of the Company's financial performance and involves differences from net income computed in accordance with GAAP, REIT taxable income should be considered as supplementary to, and not as a substitute for, ARMOUR's net income computed in accordance with GAAP as a measure of the Company's financial performance.



ARMOUR Residential REIT, Inc.

ARMOUR is a Maryland corporation that invests primarily in hybrid adjustable rate, adjustable rate and fixed rate residential mortgage-backed securities, or RMBS, issued or guaranteed by U.S. Government-chartered entities. ARMOUR is externally managed and advised by ARMOUR RESIDENTIAL MANAGEMENT LLC ("ARRM"). ARMOUR Residential REIT, Inc. intends to qualify to be taxed as a real estate investment trust ("REIT") for U.S. federal income tax purposes, commencing with ARMOUR's taxable year ending December 31, 2009.

Safe Harbor

This press release includes "forward-looking statements" within the meaning of the safe harbor provisions of the United States Private Securities Litigation Reform Act of 1995. Actual results may differ from expectations, estimates and projections and, consequently, you should not rely on these forward looking statements as predictions of future events. Words such as "expect," "estimate," "project," "budget," "forecast," "anticipate," "intend," "plan," "may," "will," "could," "should," "believes," "predicts," "potential," "continue," and similar expressions are intended to identify such forward-looking statements. These forward-looking statements involve significant risks and uncertainties that could cause the actual results to differ materially from the expected results.

Additional information concerning these and other risk factors is contained in the Company's most recent filings with the Securities and Exchange Commission ("SEC"). All subsequent written and oral forward-looking statements concerning the Company are expressly qualified in their entirety by the cautionary statements above. The Company cautions readers not to place undue reliance upon any forward-looking statements, which speak only as of the date made. The Company does not undertake or accept any obligation or undertaking to release publicly any updates or revisions to any forward-looking statements to reflect any change in their expectations or any change in events, conditions or circumstances on which any such statement is based.

Additional Information and Where to Find It

Investors, security holders and other interested persons may find additional information regarding the Company at the SEC's Internet site at <http://www.sec.gov/>, or the Company website www.armourreit.com or by directing requests to: ARMOUR Residential REIT, Inc., 956 Beachland Blvd., Suite #11, Vero Beach, Florida 32963, Attention: Investor Relations.

Investor Contact:

Jeffrey Zimmer

Co-Chief Executive Officer, President and Vice Chairman

ARMOUR Residential REIT, Inc.

(772) 617-4340