

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934  
or Section 30(h) of the Investment Company Act of 1940

Check this box if no longer subject to  
Section 16. Form 4 or Form 5  
obligations may continue. See  
Instruction 1(b).

|  |  |   |
|--|--|---|
| 1. Name and Address of Reporting Person*<br><u>BERGER ANDREW L</u><br><br>(Last) (First) (Middle)<br><u>C/O ANGELO, GORDON &amp; CO., L.P.</u><br><u>245 PARK AVENUE, 26TH FLOOR</u><br><br>(Street)<br><u>NEW YORK</u> <u>NY</u> <u>10167</u><br><br>(City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol<br><u>AG Mortgage Investment Trust, Inc. [ MITT ]</u><br><br>3. Date of Earliest Transaction (Month/Day/Year)<br><u>07/01/2016</u><br><br>4. If Amendment, Date of Original Filed (Month/Day/Year) | 5. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)<br><br><input checked="" type="checkbox"/> Director 10% Owner<br><br>Officer (give title below) Other (specify below)<br><br>6. Individual or Joint/Group Filing (Check Applicable Line)<br><br><input checked="" type="checkbox"/> Form filed by One Reporting Person<br><br>Form filed by More than One Reporting Person |
|--|--|---|

| Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned |                                      |  |                                |   |   |            |                       |   |  |   |
|--|--------------------------------------|--|--------------------------------|---|---|------------|-----------------------|---|--|---|
| 1. Title of Security (Instr. 3)  | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) |   | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) |            |                       | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|  |                                      |  | Code                           | V | Amount  | (A) or (D) | Price                 |   |  |   |
| Common Stock   | 07/01/2016                           |  | A                              |   | 524   | A          | \$0.00 <sup>(1)</sup> | 15,908  | D  |   |

| Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned<br>(e.g., puts, calls, warrants, options, convertible securities) |  |                                      |  |                                |  |     |  |                  |   |       |  |  |   |  |
|---|--|--------------------------------------|--|--------------------------------|--|-----|--|------------------|---|-------|--|--|---|--|
| 1. Title of Derivative Security (Instr. 3)  | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |     | 6. Date Exercisable and Expiration Date (Month/Day/Year) |                  | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) |       | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|   |  |                                      |  |                                |  |     |  |                  |   |       |  |  |   |  |
|   |  |                                      |  | Code                           | V  | (A) | (D)  | Date Exercisable | Expiration Date   | Title | Amount or Number of Shares                 |  |   |  |

Explanation of Responses:

1. Shares were issued to Mr. Berger as compensation for services provided to AG Mortgage Investment Trust, Inc. (the "Company") in accordance with the Company's Equity Incentive Plan and subject to the terms and restrictions contained in the award agreement entered into by and between the Company and Mr. Berger.

Remarks:

/s/ Raul E. Moreno, Attorney-  
in-Fact for Andrew L. Berger 07/06/2016

\*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

\* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.