PennyMac Mortgage Investment Trust

Form 4

February 26, 2016

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB 3235-0287 Number:

OMB APPROVAL

Check this box if no longer STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

January 31, Expires: 2005

subject to Section 16. Form 4 or Form 5

SECURITIES

Estimated average burden hours per response... 0.5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

Shares of

Beneficial

Interest

02/24/2016

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading SPECTOR DAVID Issuer Symbol PennyMac Mortgage Investment (Check all applicable) Trust [PMT] _X__ Director (Last) (First) (Middle) 3. Date of Earliest Transaction 10% Owner Other (specify X_ Officer (give title (Month/Day/Year) below) C/O PENNYMAC MORTGAGE 02/24/2016 President and COO **INVESTMENT TRUST, 6101** CONDOR DRIVE (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting MOORPARK, CA 93021 (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 5. Amount of 7. Nature of 4. Securities Acquired (A) Indirect Security (Month/Day/Year) Execution Date, if Transaction Disposed of (D) Securities Ownership (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Beneficial (Month/Day/Year) (Instr. 8) Owned Direct (D) Ownership Following or Indirect (Instr. 4) Reported (I) (A) Transaction(s) (Instr. 4) (Instr. 3 and 4) (D) Price Code V Amount Common Shares of 34,053 02/24/2016 \$0 315,490 D Α (1) Beneficial Interest Common \$

8,086

(2)

D

12.0137

(3)

307,404 (4)

D

S

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

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 control number.

SEC 1474 (9-02)

> 9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of 2. 3. Transaction Date 3A. Deemed 4. 5. 6. Date Exercisable and 7. Title a	and 8. Price of
Derivative Conversion (Month/Day/Year) Execution Date, if TransactionNumber Expiration Date Amount	t of Derivative
Security or Exercise any Code of (Month/Day/Year) Underly	ying Security
(Instr. 3) Price of (Month/Day/Year) (Instr. 8) Derivative Securities	ies (Instr. 5)
Derivative Securities (Instr. 3	and 4)
Security Acquired]
(A) or	
Disposed	
of (D)	
(Instr. 3,	
4, and 5)	
A	Amount
or and a second	
Date Expiration Title N	Number
Exercisable Date of	
Code V (A) (D)	Shares

Reporting Owners

Reporting Owner Name / Address	Relationships			
4	Director	10% Owner	Officer	Other
SPECTOR DAVID				
C/O PENNYMAC MORTGAGE INVESTMENT TRUST	X		President	
6101 CONDOR DRIVE	Α		and COO	
MOORPARK, CA 93021				

Signatures

/s/ Derek W. Stark, attorney-in-fact for Mr.
Spector 02/26/2016

**Signature of Reporting Person Date

Explanation of Responses:

- * 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).
- The Reporting Person was granted 34,053 restricted share units. The restricted share units, which vest in three equal annual installments (1) beginning on the first anniversary of the grant date, are to be settled in an equal number of common shares of beneficial interest upon vesting.
- (2) The common shares of beneficial interest were sold pursuant to a 10b5-1 plan, which included sales in order to pay estimated tax obligations resulting from the vesting of 13,478 restricted share units on February 24, 2016.
- The price reported is the weighted average price of multiple transactions at prices ranging from \$11.885 to \$12.19. The reporting person (3) hereby undertakes to provide upon request to the SEC, the Issuer or a security holder of the Issuer the number of common shares of beneficial interest and the prices at which the transactions were effected.

Reporting Owners 2

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(4) The reported amount consists of 156,411 restricted share units and 150,993 common shares of beneficial interest. The restricted share units are to be settled in an equal number of common shares of beneficial interest upon vesting.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.