PennyMac Mortgage Investment Trust Form 4

March 12, 2014

FORM 4

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

OMB 3235-0287 Number:

Estimated average

Check this box if no longer subject to

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

January 31, Expires: 2005

OMB APPROVAL

Section 16. Form 4 or Form 5 obligations

may continue.

See Instruction

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

burden hours per response... 0.5

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * SPECTOR DAVID

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

PennyMac Mortgage Investment

(Check all applicable)

Trust [PMT]

(Last)

3. Date of Earliest Transaction

_X__ Director 10% Owner X_ Officer (give title

President and COO

(Month/Day/Year) 03/10/2014

below)

Other (specify

C/O PENNYMAC MORTGAGE **INVESTMENT TRUST, 6101** CONDOR DRIVE

(First)

(Middle)

(Street)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year)

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 Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

3. 4. Securities Acquired (A) Transaction Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following Reported

Ownership Form: Direct (D) or Indirect

Indirect Beneficial Ownership (Instr. 4)

7. Nature of

(A)

(D) Code V Amount Price

\$

(Instr. 4) Transaction(s)

(I)

D

(Instr. 3 and 4)

Common Shares of

Beneficial

Interest

03/10/2014

7,500 S D (1)

222,686 (3)

23.7371 (2)

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

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SEC 1474 (9-02)

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

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	isable and	7. Title	and	8. Price of	9
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orNumber	Expiration Da	ate	Amour	nt of	Derivative	J
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underl	ying	Security	5
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securit	ies	(Instr. 5)]
	Derivative				Securities			(Instr.	3 and 4)		(
	Security				Acquired	quired					J
		(A) or									J
					Disposed						-
					of (D)	of (D)					(
					(Instr. 3,						
					4, and 5)						
									Amount		
									or		
						Date	Expiration	afion .	Number		
						Exercisable Date	of				
				Code V	(A) (D)				Shares		

Reporting Owners

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

Signatures

/s/ Derek W. Stark, attorney-in-fact for Mr.
Spector 03/12/2014

**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).
- (1) The common shares of beneficial interest were sold pursuant to a 10b5-1 plan in order to pay estimated tax obligations resulting from the vesting of 20,000 restricted share units on March 8, 2014.
- The price reported is the weighted average price of multiple transactions at prices ranging from \$23.60 to \$23.85. The reporting person (2) 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.
- (3) The reported amount consists of 108,250 restricted share units and 114,436 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. On March 8, 2014, 20,000 restricted share units vested and were settled in common shares of beneficial interest, of which 7,500 were sold as described in the preceding footnote and 12,500 are included in the reported amount.

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.

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