SPECTOR DAVID Form 4

May 17, 2013

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB Number:

3235-0287

Expires:

January 31, 2005

0.5

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OMB APPROVAL

if no longer subject to Section 16. Form 4 or Form 5

obligations

Check this box

SECURITIES 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 may continue.

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * SPECTOR DAVID

2. Issuer Name and Ticker or Trading

Symbol

PennyMac Mortgage Investment

Trust [PMT]

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

(Last)

(First)

(Middle)

3. Date of Earliest Transaction

(Month/Day/Year) 05/15/2013

_X__ Director 10% Owner

X_ Officer (give title Other (specify below)

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

(Street)

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

President and COO

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

MOORPARK, CA 93021

(City)	(State)	(Zip) Tabl	le I - Non-I	Derivative	Secu	rities Acquir	ed, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Code (Instr. 8)	(A) or		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)	
Common Shares of Beneficial Interest	05/15/2013		Code V S	Amount	(D)	Price \$ 23.56	245,961	D	
Common Shares of Beneficial Interest	05/15/2013		S	100	D	\$ 23.55	245,861	D	
Common Shares of	05/15/2013		S	200	D	\$ 23.57	245,661	D	

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Beneficial Interest							
Common Shares of Beneficial Interest	05/15/2013	S	200	D	\$ 23.58	245,461	D
Common Shares of Beneficial Interest	05/15/2013	S	200	D	\$ 23.61	245,261	D
Common Shares of Beneficial Interest	05/15/2013	S	100	D	\$ 23.628	245,161	D
Common Shares of Beneficial Interest	05/15/2013	S	200	D	\$ 23.63	244,961	D
Common Shares of Beneficial Interest	05/15/2013	S	300	D	\$ 23.6433	244,661	D
Common Shares of Beneficial Interest	05/15/2013	S	100	D	\$ 23.66	244,561	D
Common Shares of Beneficial Interest	05/15/2013	S	1,500	D	\$ 23.7	243,061	D
Common Shares of Beneficial Interest	05/15/2013	S	1,100	D	\$ 23.71	241,961	D
Common Shares of Beneficial Interest	05/15/2013	S	800	D	\$ 23.72	241,161	D
Common Shares of Beneficial Interest	05/15/2013	S	200	D	\$ 23.73	240,961	D
Common Shares of Beneficial	05/15/2013	S	300	D	\$ 23.7367	240,661	D

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Interest							
Common Shares of Beneficial Interest	05/15/2013	S	675	D	\$ 23.74	239,986	D
Common Shares of Beneficial Interest	05/15/2013	S	300	D	\$ 23.75	239,686	D
Common Shares of Beneficial Interest	05/15/2013	S	200	D	\$ 23.715	239,486	D
Common Shares of Beneficial Interest	05/15/2013	S	300	D	\$ 23.76	239,186	D
Common Shares of Beneficial Interest	05/15/2013	S	100	D	\$ 23.77	239,086	D
Common Shares of Beneficial Interest	05/15/2013	S	100	D	\$ 23.79	238,986	D
Common Shares of Beneficial Interest	05/15/2013	S	100	D	\$ 23.78	238,886	D
Common Shares of Beneficial Interest	05/15/2013	S	200	D	\$ 23.85	238,686	D
Common Shares of Beneficial Interest	05/15/2013	S	300	D	\$ 23.8233	238,386	D
Common Shares of Beneficial Interest	05/15/2013	S	100	D	\$ 23.91	238,286	D
Common Shares of Beneficial Interest	05/15/2013	S	600	D	\$ 23.88	237,686 (1)	D

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

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SEC 1474 (9-02)

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 Exerc	isable and	7. Title	and	8. Price of
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transac	ctionNumber	Expiration Da	ate	Amour	nt of	Derivative
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underl	ying	Security
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8	Derivative	e		Securit	ties	(Instr. 5)
	Derivative				Securities			(Instr.	3 and 4)	
	Security				Acquired					
					(A) or					
					Disposed					
					of (D)					
					(Instr. 3,					
					4, and 5)					
									Amount	
						Date	Expiration		or	
						Exercisable	Date		Number	
									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 6101 CONDOR DRIVE MOORPARK, CA 93021	X		President and COO				

Signatures

/s/ Derek W. Stark, attorney-in-fact for Mr. 05/17/2013 Spector

> **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 reported amount consists of 143,250 restricted share units and 94,436 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 May 15, 2013, 16,750 restricted share units vested and were settled in common shares of beneficial interest, of which 8,375 are included in the reported amount and 8,375 were sold pursuant to a 10b5-1 plan in order to pay estimated tax obligations that resulted from such 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.

Reporting Owners 4

9. Nu Deriv Secu Bene Own Follo

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