

ARMER THOMAS A  
Form 4  
May 28, 2009

**FORM 4**

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

OMB APPROVAL

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

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF 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 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
ARMER THOMAS A

(Last) (First) (Middle)  
2400 BAYSHORE PARKWAY,  
SUITE 200  
(Street)

MOUNTAIN VIEW, CA 94043

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol

MAP Pharmaceuticals, Inc. [MAPP]

3. Date of Earliest Transaction (Month/Day/Year)

05/26/2009

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)

Chief Scientific Officer

6. Individual or Joint/Group Filing(Check Applicable Line)

Form filed by One Reporting Person  
 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                    | 05/26/2009                           |  | S <sup>(1)</sup>               |   | 40,000  | D  | \$ 9  | 332,403 | I | See Footnote (2) |
| Common Stock                    | 05/27/2009                           |  | M                              |   | 60,000  | A  | \$ 0.7434   | 392,403 | I | See Footnote (2) |
| Common Stock                    | 05/27/2009                           |  | S <sup>(1)</sup>               |   | 60,000  | D  | \$ 10.01  | 332,403 | I | See Footnote (2) |

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

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(9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(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 Underlying Securities (Instr. 3 and 4) | 8. Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-------------------------------|
| Stock Option (Right to Buy)                | \$ 0.7434  | 05/27/2009                           |  | M                              | 60,000  | <sup>(3)</sup> 01/23/2016                                | Common Stock  | 60,000                        |

## Reporting Owners

| Reporting Owner Name / Address  | Relationships |           |                          |       |
|---|---------------|-----------|--------------------------|-------|
|   | Director      | 10% Owner | Officer                  | Other |
| ARMER THOMAS A<br>2400 BAYSHORE PARKWAY, SUITE 200<br>MOUNTAIN VIEW, CA 94043 | X             |           | Chief Scientific Officer |       |

## Signatures

/s/ Thomas A. Armer 05/28/2009

\*\*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 sale of the reported shares is made pursuant to terms of 10b5-1 plan in effect at the time of sale of the shares.
- (2) Represents 242,009 shares of Common Stock held directly by Dr. Armer and 90,394 held indirectly in trusts to which Dr. Armer and his spouse are trustees. Dr. Armer disclaims beneficial ownership of the shares in trusts except to the extent of his pecuniary interest therein.
- (3) The option is exercisable as it vests: 25% of the total number of option shares vests and becomes exercisable on the first anniversary of the vesting commencement date. Thereafter, 1/48th of the total number of option shares becomes exercisable cumulatively on each monthly anniversary for 36 months so that the entire number of option shares becomes fully vested.

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

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