

Bertolini Mark T
Form 4
February 10, 2010

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 *
Bertolini Mark T

(Last) (First) (Middle)
151 FARMINGTON AVENUE
(Street)

HARTFORD, CT 06156

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
AETNA INC /PA/ [AET]

3. Date of Earliest Transaction (Month/Day/Year)
02/08/2010

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)
President

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 Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
| | | | Code | V | Amount or Price | | |
| Common Stock | 02/09/2010 | | M | | 7,047 (1) | A | 0 |
| Common Stock | 02/09/2010 | | F | | 2,217 (3) | D | \$ 28.97 92,912 |

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)

| 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) | | |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--------------|----------------------|
| | | | | Code | V (A) (D) | Date Exercisable | Expiration Date | Title | Amount Number Shares |
| Restricted Stock Unit | (2) | 02/09/2010 | | M | | 7,047 | (4) (4) | Common Stock | 7,047 |
| Market Stock Unit | (5) | 02/08/2010 | | A | | 113,738 | (6) (6) | Common Stock | 113,738 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|-----------|-------|
| | Director | 10% Owner | Officer | Other |
| Bertolini Mark T 151 FARMINGTON AVENUE HARTFORD, CT 06156 | | | President | |

Signatures

Mark T. Bertolini by Judith H. Jones,
Attorney-in-Fact

02/10/2010

__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) Represents vesting of previously reported Restricted Stock Units granted under the Aetna Inc 2000 Stock Incentive Plan.

(2) Each Restricted Stock Unit represents a right to receive one share of Aetna Inc. Common Stock net of taxes.

(3) Represents tax withholding on vesting of previously reported Restricted Stock Units.

(4) Restricted Stock Units granted under the Aetna Inc. 2000 Stock Incentive Plan.

(5) Each Market Stock Unit represents a right to receive up to 1.5 shares of Aetna Inc. Common Stock net of taxes. Vesting amount will be determined based on the weighted average closing stock price for the thirty trading days prior to the vest date.

(6) Market Stock Units granted under the Aetna Inc. 2000 Stock Incentive Plan, units will vest on 2/8/12.

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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