

MAGOWAN PETER A  
 Form 4  
 August 02, 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 \*  
 MAGOWAN PETER A

(Last) (First) (Middle)  
 100 PINE STREET, SUITE 2700  
 (Street)

SAN FRANCISCO, CA 94111

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
 CATERPILLAR INC [CAT]

3. Date of Earliest Transaction  
 (Month/Day/Year)  
 07/30/2010

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)

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. 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) |
|---------------------------------|--------------------------------------|--|--------------------|---|---|--|-----------------------------------|
| Common                          |                                      |  |                    | (A) or (D) Price  | 304,982 (1)   | D  |                                   |

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 Derivative | 2. Conversion | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if | 4. Transaction of | 5. Number | 6. Date Exercisable and Expiration Date | 7. Title and Amount of Underlying Securities | 8. Price of Derivative |
|------------------------|---------------|--------------------------------------|-------------------------------|-------------------|-----------|---|--|------------------------|
|------------------------|---------------|--------------------------------------|-------------------------------|-------------------|-----------|---|--|------------------------|

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| Security (Instr. 3) | or Exercise Price of Derivative Security | any (Month/Day/Year) | Code (Instr. 8) | Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | (Month/Day/Year) | (Instr. 3 and 4) | Security (Instr. 5) |                 |        |                            |      |
|---------------------|--|----------------------|-----------------|--|------------------|------------------|---------------------|-----------------|--------|----------------------------|------|
|                     |  |                      | Code            | V  | (A)              | (D)              | Date Exercisable    | Expiration Date | Title  | Amount or Number of Shares |      |
| Phantom Stock Units | (2)                                      | 07/30/2010           | A               |  | 249              |                  | (3)                 | (3)             | Common | 249                        | \$ 0 |

## Reporting Owners

| Reporting Owner Name / Address  | Relationships |           |         |       |
|---|---------------|-----------|---------|-------|
|   | Director      | 10% Owner | Officer | Other |
| MAGOWAN PETER A<br>100 PINE STREET, SUITE 2700<br>SAN FRANCISCO, CA 94111 | X             |           |         |       |

## Signatures

Peter A. Magowan; L. J. Huxtable,  
POA 08/02/2010

\*\*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) This amount includes 160 shares in dividend reinvestment.

(2) Security converts to common stock on a one-for-one basis.

(3) The phantom stock units were accrued under the Caterpillar Inc. director's deferred compensation plan and are to be settled 100% in cash upon the reporting person's retirement. The stock was acquired in July 2010 at a price of \$69.435 per share.

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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