

MAGOWAN PETER A
 Form 4
 August 01, 2008

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

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 PACIFIC BELL PARK, 24 WILLIE MAYS PLAZA

3. Date of Earliest Transaction (Month/Day/Year)
 07/31/2008

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

(Street)
 SAN FRANCISCO, CA 94107

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

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) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
| Common | | | | (A) or (D) Code V Amount (D) Price | 272,415 ⁽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 | 5. Number of | 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) | 07/31/2008 | A | | 106 | | (3) | (3) | Common | 106 | \$ 0 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| MAGOWAN PETER A PACIFIC BELL PARK 24 WILLIE MAYS PLAZA SAN FRANCISCO, CA 94107 | | X | | |

Signatures

Peter A. Magowan; L. J. Huxtable,
POA

08/01/2008

__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 2961 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 2008 at a price of \$70.395 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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