Halverson Bradley M Form 4 March 03, 2010

FORM 4

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

OMB APPROVAL

OMB 3235-0287 Number: January 31,

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Check this box if no longer subject to Section 16. Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Form 5 obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Halverson Bradley M Issuer Symbol CATERPILLAR INC [CAT] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner X_ Officer (give title Other (specify 100 N.E. ADAMS STREET 03/01/2010 below) below) Controller (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

PEORIA, IL 61629

(State)

(7:-

(City)

| (City) | (State) (A | Table | e I - Non-Do | erivative Securitie | es Acq | uired, Disposed o | of, or Beneficial | lly Owned |
|------------------------|--------------------------------------|-------------------------|-----------------|-------------------------------------|--------|--|--------------------------------------|---------------------------------------|
| 1.Title of Security | 2. Transaction Date (Month/Day/Year) | | | 4. Securities onAcquired (A) or | | 5. Amount of Securities | Form: Direct | 7. Nature of Indirect |
| (Instr. 3) | | any (Month/Day/Year) | Code (Instr. 8) | Disposed of (D) (Instr. 3, 4 and 5) |) | Owned Following | (D) or Indirect (I) (Instr. 4) | Beneficial Ownership (Instr. 4) |
| | | | Code V | (A) or Amount (D) I | | Reported Transaction(s) (Instr. 3 and 4) | | |
| Common | | | | | | 14,979 (1) | D | |
| Common | | | | | | 4,178 | I | Owned by Wife's Trust (2) |

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

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Person

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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. Transactic Code (Instr. 8) | 5. Number on f Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | Expiration D | Date Exercisable and xpiration 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 or Number of Shares | |
| Phantom Stock Units | <u>(3)</u> | | | | | <u>(4)</u> | <u>(4)</u> | Common | 0 | |
| Stock Appreciation Rights | \$ 57.85 | 03/01/2010 | | A | 9,449 | <u>(5)</u> | 03/01/2020 | Common | 9,449 | |
| Restricted Stock Units | <u>(6)</u> | 03/01/2010 | | A | 458 | <u>(5)</u> | (5) | Common | 458 | |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | | |
|--|---------------|-----------|------------|-------|--|--|--|
| 1 | Director | 10% Owner | Officer | Other | | | |
| Halverson Bradley M 100 N.E. ADAMS STREET | | | Controller | | | | |
| PEORIA, IL 61629 | | | Controller | | | | |

Signatures

Bradley M. Halverson; L.J. Huxtable,
POA 03/03/2010

**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 11,130 shares in 401K.
- (2) Beneficial ownership denied.
- (3) Security converts to common stock on a one-for-one basis.
- (4) The reported phantom stock units were acquired under Caterpillar Inc.'s deferred employee investment plan and will be settled upon the reporting person's retirement or separation from service.
- (5) The restricted stock units and stock appreciation rights vest on March 1, 2013.
- (6) Each restricted stock unit represents a contingent right to receive one share of Caterpillar common stock.

Reporting Owners 2

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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.