

BENSON RICHARD A
 Form 4
 January 14, 2005

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 *
BENSON RICHARD 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)
 100 N.E. ADAMS STREET

3. Date of Earliest Transaction (Month/Day/Year)
 01/12/2005

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 Vice President

(Street)
 PEORIA, IL 61629

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

(City) (State) (Zip)

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	(D)	Price
Common	01/12/2005		M		1,934	A	\$ 51.6562
Common	01/12/2005		F		1,090	D	\$ 91.62
Common	01/12/2005		M		1,795	A	\$ 55.6875
Common	01/12/2005		F		1,091	D	\$ 91.62
Common	01/12/2005		M		1,604	A	\$ 62.3438
Common	01/12/2005		F		1,091	D	\$ 91.62
Common	01/12/2005		M		2,601	A	

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\$
38.4063

Common 01/12/2005 F 1,090 D \$ 91.62 63,123 ⁽¹⁾ D

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
Employee Stock Option ⁽²⁾	\$ 51.6562	01/12/2005		M	1,934	⁽³⁾ 06/10/2007	Common	1,934
Employee Stock Option ⁽²⁾	\$ 55.6875	01/12/2005		M	1,795	⁽³⁾ 06/09/2008	Common	1,795
Employee Stock Option ⁽²⁾	\$ 62.3438	01/12/2005		M	1,604	⁽³⁾ 06/08/2009	Common	1,604
Employee Stock Option ⁽²⁾	\$ 38.4063	01/12/2005		M	2,601	⁽³⁾ 06/12/2010	Common	2,601

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
BENSON RICHARD A 100 N.E. ADAMS STREET PEORIA, IL 61629			Vice President	

Signatures

R. A. Benson; L.J.
Huxtable, POA

01/14/2005

__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 18,830 shares in 401K.
 - (2) (Right to buy) with tandem tax withholding rights.
 - (3) Exercisable in thirds - 1/3 after 1 yr.; 1/3 after 2 yrs.; 1/3 after 3 yrs.

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.