

WUNNING STEVEN H  
 Form 4  
 March 04, 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 \*  
**WUNNING STEVEN H**

(Last) (First) (Middle)  
 100 N.E. ADAMS STREET  
 (Street)

PEORIA, IL 61629-7220

(City) (State) (Zip)

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

3. Date of Earliest Transaction  
 (Month/Day/Year)  
**03/02/2010**

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)  
**Group 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)
Common	03/02/2010		M	V 4,832 A	(5) 75,165	D	
Common	03/02/2010		F(6)	1,424 D	\$ 73,741 (1) 58.42	D	
Common					726	I	Owned by Wife (2)
Common					1,125	I	Owned by Son (2)

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

**Persons who respond to the collection of information contained in this form are not**

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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 or Number of Shares
Phantom Stock Units	(3)					(4)	(4)	Common	0
Restricted Stock Units	(5)	03/02/2010		M	4,832	03/02/2010	03/02/2010	Common	4,832

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
WUNNING STEVEN H 100 N.E. ADAMS STREET PEORIA, IL 61629-7220			Group President	

## Signatures

S. H. Wunning; L.J.  
Huxtable, POA

03/04/2010

\*\*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 23,958 shares in 401K.
- (2) Reporting person disclaims beneficial ownership.
- (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.

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- (5) Each restricted stock unit represents the equivalent of one share of Caterpillar common stock. On March 2, 2010, the reporting person's restricted stock units were settled for an equal number of shares of Caterpillar common stock.
- (6) Amount reflects shares surrendered to satisfy tax withholding requirements upon the vesting of restricted stock units.

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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