CATERPILLAR INC

Form 4 April 27, 2007

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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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)

See Instruction

1. Name and Address of Reporting Person OWENS JAMES W	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	3. Date of Earliest Transaction	(and officers)		
100 N.E. ADAMS STREET	(Month/Day/Year) 04/26/2007	_X_ Director10% Owner _X_ Officer (give title Other (specify below) Chairman of the Board/CEO		
(Street)	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person		
PEORIA, IL 61629-7230		Form filed by More than One Reporting Person		

(City)	(State)	${\bf Table~I-Non-Derivative~Securities~Acquired, Disposed~of, or~Beneficially~Owned}\\$							
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securit or Dispos (Instr. 3, 4	ed of (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)
Common	04/26/2007		M	96,410	A	\$ 27.8438	253,185	D	
Common	04/26/2007		F	60,306	D	\$ 72.975	192,879	D	
Common	04/26/2007		M	3,590	A	\$ 27.8438	196,469	D	
Common	04/26/2007		F	1,369	D	\$ 72.975	195,100 (1)	D	
Common							117,006	I	Held in Revocable Trust

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

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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 of orDerivative Securities Acquired (A) or Disposed or (D) (Instr. 3, 4, and 5)	Expiration I (Month/Day	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	\$ 0 (2)					<u>(3)</u>	(3)	Common	6,428	
Employee Stock Option (4)	\$ 27.8438	04/26/2007		M	96,410	<u>(5)</u>	06/09/2008	Common	96,410	
Employee Stock Option (4)	\$ 27.8438	04/26/2007		M	3,590	(5)	06/09/2008	Common	3,590	

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
OWENS JAMES W							
100 N F ADAMS STREET	X		Chairman of the Board/CFO				

Signatures

PEORIA, IL 61629-7230

James W. Owens; L.J. Huxtable,

POA 04/27/2007

**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 29,371 shares in 401K and 1 share in dividend reinvestment.

Reporting Owners 2

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- (2) Security converts to common stock on a one-for-one basis.
- (3) 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.
- (4) (Right to buy) with tandem tax withholding rights.
- (5) 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.