OWENS JAMES W Form 4 May 03, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

OMB 3235-0287 Number:

January 31, Expires: 2005

0.5

Estimated average burden hours per

response...

if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

Check this box

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

See Instruction

1(b).

(Print or Type Responses)

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	(Check an apprecion)			
100 N.E. ADAMS STREET		ET	(Month/Day/Year) 04/30/2010	X Director 10% Owner Selection Other (specify below) Chairman of the Board/CEO			
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
PEORIA, IL 61629-7230			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			

(City)	(State)	${\bf (Zip)} \qquad \qquad {\bf Table~I-Non-Derivative~Securities~Acquired, Disposed~of, or~Beneficially~Owned}$							
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. Securities onAcquired (A) or Disposed of (D) (Instr. 3, 4 and 5) (A) or Amount (D) Price	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				(-)	216,135 (1)	D			
Common					173,277	I	Held in Revocable Trust		
Common					7,200	I	Grandchildren's Trust		
Common					700	I	Grandchild's Trust		

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)

Derivative Security (Instr. 3)	Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	SA. Deemed Execution Date, if any (Month/Day/Year)	4. Transacti Code (Instr. 8)	5. Number or Derivative Securities Acquired (A) or Disposed of (D)	Expiration Date tive (Month/Day/Year) ties red		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Price (Derivative Security (Instr. 5)
				Code V	(Instr. 3, 4, and 5)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Phantom Stock Units	<u>(2)</u>	04/30/2010		A	113	<u>(3)</u>	(3)	Common	113	\$ 0

Relationships

Reporting Owners

Reporting Owner Name / Address		
Director 10%	Owner Officer Oth	her

OWENS JAMES W

100 N.E. ADAMS STREET X Chairman of the Board/CEO

PEORIA, IL 61629-7230

Signatures

James W. Owens; L.J. Huxtable,

POA 05/03/2010

**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 32,493 shares in 401K.
- (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.

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.

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