

Perkins Thomas B  
Form 4  
June 16, 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 \*  
Perkins Thomas B

2. Issuer Name and Ticker or Trading Symbol  
Core-Mark Holding Company, Inc.  
[CORE]

5. Relationship of Reporting Person(s) to Issuer  
  
(Check all applicable)

(Last) (First) (Middle)  
395 OYSTER POINT BLVD.,  
SUITE 415  
  
(Street)

3. Date of Earliest Transaction  
(Month/Day/Year)  
06/15/2010

\_\_\_\_ Director  
\_\_\_\_ Officer (give title below)  
\_\_\_\_ 10% Owner  
\_\_\_\_ Other (specify below)  
SVP of Resources

SOUTH SAN  
FRANCISCO, CA 94080

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  
\_\_\_ 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	(A) or (D)	Price
Coremark Common Stock	06/15/2010		M		11,477	A	\$ 15.5
Coremark Common Stock	06/15/2010		S		100	D	\$ 27.41
Coremark Common Stock	06/15/2010		S		100	D	\$ 27.44
	06/15/2010		S		776	D	\$ 27.49
					21,615	D	
					21,515	D	
					21,415	D	
					20,639	D	

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Coremark Common Stock								
Coremark Common Stock	06/15/2010	S	300	D	\$ 27.4967	20,339		D
Coremark Common Stock	06/15/2010	S	100	D	\$ 27.58	20,239		D
Coremark Common Stock	06/15/2010	S	400	D	\$ 27.59	19,839		D
Coremark Common Stock	06/15/2010	S	200	D	\$ 27.595	19,639		D
Coremark Common Stock	06/15/2010	S	200	D	\$ 27.605	19,439		D
Coremark Common Stock	06/15/2010	S	1,100	D	\$ 27.61	18,339		D
Coremark Common Stock	06/15/2010	S	800	D	\$ 27.62	17,539		D
Coremark Common Stock	06/15/2010	S	400	D	\$ 27.6225	17,139		D
Coremark Common Stock	06/15/2010	S	200	D	\$ 27.63	16,939		D
Coremark Common Stock	06/15/2010	S	600	D	\$ 27.6317	16,339		D
Coremark Common Stock	06/15/2010	S	300	D	\$ 27.64	16,039		D
Coremark Common Stock	06/15/2010	S	800	D	\$ 27.6406	15,239		D
Coremark Common Stock	06/15/2010	S	200	D	\$ 27.6412	15,039		D
Coremark Common	06/15/2010	S	500	D	\$ 27.6425	14,539		D

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Stock

Coremark

Common 06/15/2010 S 200 D \$ 27.6475 14,339 D  
Stock

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)	Amount or Number of Shares
04LTIP plan grtd 8-23-2004 NQ	\$ 15.5	06/15/2010		M	11,477	08/23/2005 08/23/2011	Coremark Common Stock	11,477

## Reporting Owners

**Reporting Owner Name / Address**

**Relationships**

Director 10% Owner Officer Other

Perkins Thomas B  
395 OYSTER POINT BLVD., SUITE 415  
SOUTH SAN FRANCISCO, CA 94080

SVP of Resources

## Signatures

Amy Morgan,  
POA 06/16/2010

\*\*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).

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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