

Perkins Thomas B  
 Form 4  
 March 01, 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)  
 03/01/2010

\_\_\_\_ 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)  
 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)
				(A) or (D) Code V Amount (D) Price			
Coremark Common Stock	03/01/2010		S	300 D \$ 31.5767	15,736	D	
Coremark Common Stock	03/01/2010		S	400 D \$ 31.64	15,336	D	
Coremark Common Stock	03/01/2010		S	235 D \$ 31.65	15,101	D	
	03/01/2010		S	179 D	14,922	D	

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Coremark Common Stock					\$			
					31.6544			
Coremark Common Stock	03/01/2010	S	720	D	\$ 31.66	14,202		D
Coremark Common Stock	03/01/2010	S	100	D	\$ 31.71	14,102		D
Coremark Common Stock	03/01/2010	S	562	D	\$ 31.764	13,540		D
Coremark Common Stock	03/01/2010	S	100	D	\$ 31.765	13,440		D
Coremark Common Stock	03/01/2010	S	180	D	\$		13,260	D
					31.7689			
Coremark Common Stock	03/01/2010	S	730	D	\$ 31.78	12,530		D
Coremark Common Stock	03/01/2010	S	100	D	\$ 31.79	12,430		D
Coremark Common Stock	03/01/2010	S	300	D	\$ 31.84	12,130		D
Coremark Common Stock	03/01/2010	S	200	D	\$ 31.89	11,930		D
Coremark Common Stock	03/01/2010	S	200	D	\$ 31.94	11,730		D
Coremark Common Stock	03/01/2010	S	200	D	\$ 32.01	11,530		D

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 required to respond unless the form displays a currently valid OMB control number.**

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**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

