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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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

Form 4 or Form 5 obligations may continue. See Instruction

Check this box

if no longer

Section 16.

subject to

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

SECURITIES

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Perkins Thomas B

(Last)

2. Issuer Name and Ticker or Trading

Symbol

Core-Mark Holding Company, Inc.

[CORE]

(First) (Middle)

395 OYSTER POINT BLVD., **SUITE 415**

(Street)

06/15/2010

4. If Amendment, Date Original

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

Filed(Month/Day/Year)

SVP of Resources

Officer (give title

5. Relationship of Reporting Person(s) to

(Check all applicable)

10% Owner

Other (specify

6. Individual or Joint/Group Filing(Check

Director

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

Issuer

below)

SOUTH SAN FRANCISCO, CA 94080

(City)	(State)	(Zip) Tab	le I - Non-	Derivative	Secui	ities Acquir	red, Disposed of,	or Beneficiall	y 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)	omr Dispos (Instr. 3,	sed 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)
Coremark Common Stock	06/15/2010		M	11,477	A	\$ 15.5	21,615	D	
Coremark Common Stock	06/15/2010		S	100	D	\$ 27.41	21,515	D	
Coremark Common Stock	06/15/2010		S	100	D	\$ 27.44	21,415	D	
	06/15/2010		S	776	D	\$ 27.49	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

Stock

Coremark

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

Stock

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	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 of	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
	Security				(D) (Instr. 3, 4, and 5)				
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Share
04LTIP plan grtd 8-23-2004 NQ	\$ 15.5	06/15/2010		M	11,477	08/23/2005	08/23/2011	Coremark Common Stock	11,47

Reporting Owners

Relationships Reporting Owner Name / Address

Other Director 10% Owner Officer

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

SVP of Resources

Signatures

Amy Morgan, 06/16/2010 **POA**

**Signature of Date Reporting Person

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.

Reporting Owners 3

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