

**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**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934  
or Section 30(h) of the Investment Company Act of 1940

<b>1. Name and Address of Reporting Person*</b> <u>Perkins Thomas B</u>  (Last) (First) (Middle) <u>395 OYSTER POINT BLVD., SUITE 415</u>  (Street) <u>SOUTH SAN FRANCISCO CA 94080</u>  (City) (State) (Zip)	<b>2. Issuer Name and Ticker or Trading Symbol</b> <u>Core-Mark Holding Company, Inc. [</u> <u>CORE ]</u>  <b>3. Date of Earliest Transaction (Month/Day/Year)</b> <u>02/29/2008</u>  <b>4. If Amendment, Date of Original Filed (Month/Day/Year)</b>	<b>5. Relationship of Reporting Person(s) to Issuer</b> (Check all applicable) Director 10% Owner X Officer (give title below) Other (specify below) <u>SVP of Resources</u>  <b>6. Individual or Joint/Group Filing (Check Applicable Line)</b> X Form filed by One Reporting Person Form filed by More than One Reporting Person
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**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	02/29/2008		M		2,332	A	\$0	2,332	D	
Coremark Common Stock	02/29/2008		S		25	D	\$26.49	2,307	D	
Coremark Common Stock	02/29/2008		S		100	D	\$26.64	2,207	D	
Coremark Common Stock	02/29/2008		S		323	D	\$26.67	1,884	D	
Coremark Common Stock	02/29/2008		S		100	D	\$26.68	1,784	D	
Coremark Common Stock	02/29/2008		S		100	D	\$26.69	1,684	D	
Coremark Common Stock	02/29/2008		S		400	D	\$26.8	1,284	D	
Coremark Common Stock	02/29/2008		S		100	D	\$26.96	1,184	D	
Coremark Common Stock	02/29/2008		S		100	D	\$27.01	1,084	D	
Coremark Common Stock	02/29/2008		S		100	D	\$27.06	984	D	
Coremark Common Stock	02/29/2008		S		100	D	\$27.09	884	D	
Coremark Common Stock	02/29/2008		S		100	D	\$27.11	784	D	
Coremark Common Stock	02/29/2008		S		100	D	\$27.12	684	D	
Coremark Common Stock	02/29/2008		S		184	D	\$27.26	500	D	
Coremark Common Stock	02/29/2008		S		100	D	\$27.31	400	D	
Coremark Common Stock	02/29/2008		S		100	D	\$27.37	300	D	
Coremark Common Stock	02/29/2008		S		100	D	\$27.39	200	D	
Coremark Common Stock	02/29/2008		S		100	D	\$27.43	100	D	
Coremark Common Stock	02/29/2008		S		100	D	\$27.45	0	D	

**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 Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Restricted Stock Units 05 LTIP	\$0	02/29/2008		M			2,332	02/01/2006	02/08/2015	Coremark Common Stock	2,332	\$0	0	D	

Explanation of Responses:

Stacy Loretz-Congdon, POA    02/29/2008

\*\* Signature of Reporting Person    Date

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

\* 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.

**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 Number.**