Core-Mark Holding Company, Inc. Form 4 October 03, 2013

OMB APPROVAL FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION OMB 3235-0287 Washington, D.C. 20549 Number: Check this box January 31, Expires: if no longer 2005 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to Estimated average **SECURITIES** Section 16. burden hours per Form 4 or response... 0.5 Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction 1(b). (Print or Type Responses) 1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Perkins Thomas B Issuer Symbol Core-Mark Holding Company, Inc. (Check all applicable) [CORE] (Last) (First) (Middle) 3. Date of Earliest Transaction Director 10% Owner Officer (give title Other (specify (Month/Day/Year) below) below) 395 OYSTER POINT BLVD., 09/30/2013 President and CEO **SUITE 415** (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person _ Form filed by More than One Reporting SOUTH SAN Person FRANCISCO, CA 94080 (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)	3. Transactio Code (Instr. 8)	4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
		Code V	Amount	(A) or (D)	Price	Reported (Instr. 4) Transaction(s) (Instr. 3 and 4)		
Coremark Common Stock	09/30/2013	М	562	А	\$ 0.01	42,530	D	
Coremark Common Stock	09/30/2013	М	541	А	\$ 0.01	43,071	D	
Coremark Common Stock	09/30/2013	F	532 <u>(1)</u>	D	\$ 66.44	42,539	D	
	09/30/2013	F	577 <u>(2)</u>	D		41,962	D	

Coremark	
Common	
Stock	

\$ 66.44

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 Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. 5. Number Transactionof Code Derivative (Instr. 8) 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)		
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Restricted Stock Units 10LTIP	\$ 0.01	09/30/2013		М		562	01/19/2011	01/19/2018	Coremark Common Stock	562
RSU 10LTIP GR 2012	\$ 0.01	09/30/2013		М		541	01/18/2013	01/18/2019	Coremark Common Stock	541

Reporting Owners

Signatures

Chris Miller, POA	10/02/2013				
<u>**</u> Signature of Reporting Person	Date				

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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) Shares withheld for taxes on Performance RSU Vesting previously reported in Table I
- (2) Shares withheld for taxes on RSU Vesting

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.