Murray Christopher M Form 4 May 14, 2012

Check this box

if no longer

subject to

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB APPROVAL

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Section 16. Form 4 or Form 5 obligations may continue.

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * Murray Christopher M

2. Issuer Name and Ticker or Trading Symbol

Core-Mark Holding Company, Inc.

[CORE]

(Middle)

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

05/10/2012

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

10% Owner

395 OYSTER POINT BLVD.,

(First)

(Street)

SUITE 415

(Last)

4. If Amendment, Date Original

Filed(Month/Day/Year)

Other (specify Officer (give title below)

SVP - U.S. Distribution

6. Individual or Joint/Group Filing(Check

6.

Applicable Line)

Director

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

SOUTH SAN FRANCISCO, CA 94080

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

3. 4. Securities Acquired (A) Transaction Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following Reported

Ownership Form: Direct (D) or Indirect

Indirect Beneficial Ownership (Instr. 4)

7. Nature of

(A) or Code V Amount (D)

Price

Transaction(s) (Instr. 4) (Instr. 3 and 4)

Coremark Common

Stock

05/10/2012

S 3,500

D 42,7968

17,482 D

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

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SEC 1474 (9-02)

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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	2.	3. Transaction Date		4.	5.	6. Date Exer		7. Title		8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orNumber	Expiration D	ate	Amou	nt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secur
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ties	(Instr. 5)	Bene
	Derivative				Securities			(Instr.	3 and 4)		Own
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									Amount		
						Date	Expiration		or		
						Exercisable	Date Tit	Title	Number		
						Excicisable			of		
				Code V	(A) (D)				Shares		

Relationships

SVP - U.S.

Distribution

Reporting Owners

Reporting Owner Name / Address				
	Director	10% Owner	Officer	Other

Murray Christopher M 395 OYSTER POINT BLVD., SUITE 415 SOUTH SAN FRANCISCO, CA 94080

Signatures

Shawn Levitt, 05/14/2012 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. 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.

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