McPherson Scott E Form 4 February 04, 2009

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

30(h) of the Investment Company Act of 1940

OMB Number:

3235-0287

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January 31, 2005

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OMB APPROVAL

response...

if no longer subject to Section 16. Form 4 or Form 5

Check this box

SECURITIES 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.

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

McPherson Scott E

2. Issuer Name and Ticker or Trading

Symbol

Core-Mark Holding Company, Inc.

[CORE]

(Last) (First) (Middle)

395 OYSTER POINT BLVD.,

(Street)

3. Date of Earliest Transaction

01/21/2009

(Month/Day/Year)

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

5. Relationship of Reporting Person(s) to

(Check all applicable)

SVP - U.S. Distribution

10% Owner Other (specify

7. Nature of

Applicable Line)

Director

Officer (give title

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

Person

Issuer

below)

SOUTH SAN FRANCISCO, CA 94080

> (City) (State)

(Zip)

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

1. Title of Security (Instr. 3)

SUITE 415

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code (Instr. 8)

Disposed of (D) (Instr. 3, 4 and 5)

5. Amount of Securities Beneficially Owned Following

Form: Direct Indirect (D) or Indirect Beneficial Ownership (I) (Instr. 4) (Instr. 4)

6. Ownership

Reported (A) Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

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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. Transactio Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisab Expiration Date (Month/Day/Year		7. Title and A Underlying So (Instr. 3 and 4	ecurities
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amour or Number of Shares
07LTIP Stock Option	\$ 19.19 (1)	01/21/2009		A	9,750	01/01/2010(2)	07/01/2017	Coremark Common Stock	9,75
Restricted Stock Units 07LTIP	\$ 0	01/21/2009		A	9,750	02/01/2010(3)	07/01/2017	Coremark Common Stock	9,75

Reporting Owners

Reporting Owner Name / Address	Relationships				
	Director	10% Owner	Officer	Other	
McPherson Scott E 395 OYSTER POINT BLVD., SUITE 415 SOUTH SAN FRANCISCO, CA 94080			SVP - U.S. Distribution		

Signatures

Amy Morgan, POA	02/04/2009		
**Signature of Reporting Person	Date		

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) The exercise price was set at the closing price of the company's stock as reported by the NASDAQ Stock Market on January 21, 2009, the date the Board of Directors approved the grant.
- One-third of the options vest on January 1, 2010 and the remaining two-thirds vest in equal quarterly installments over fiscal 2010 and 2011.
- One-third of the restricted stock units vest on February 1, 2010 and the remaining two-thirds vest in equal quarterly installments over fiscal 2010 and 2011.

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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