

MILLER CHRISTOPHER M

Form 4

March 31, 2009

FORM 4**UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

OMB APPROVAL

OMB
Number: 3235-0287Expires: January 31,
2005Estimated average
burden hours per
response... 0.5Check 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 OF
SECURITIES**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

(Print or Type Responses)

1. Name and Address of Reporting Person *
MILLER CHRISTOPHER M2. Issuer Name and Ticker or Trading
Symbol
Core-Mark Holding Company, Inc.
[CORE]5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

(Last) (First) (Middle)
395 OYSTER POINT BLVD.,
SUITE 4153. Date of Earliest Transaction
(Month/Day/Year)
03/31/2009____ Director ____ 10% Owner
____ Officer (give title below) ____ Other (specify below)
VP & Chief Accounting Officer(Street)
SOUTH SAN
FRANCISCO, CA 940804. If Amendment, Date Original
Filed(Month/Day/Year)6. Individual or Joint/Group Filing(Check
Applicable Line)
X Form filed by One Reporting Person
____ Form filed by More than One Reporting
Person

(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)	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)
Coremark Common Stock	03/31/2009		M	427	A \$ 0	1,464	D
Coremark Common Stock	03/31/2009		S	427	D \$ 17.57	1,037	D

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

**Persons who respond to the collection of
information contained in this form are not
required to respond unless the form**SEC 1474
(9-02)

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)

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 Underlying Securities (Instr. 3 and 4)	8. D S (
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Restricted Stock Units 07LTIP	\$ 0	03/31/2009		M	427	07/02/2008	07/01/2017	Coremark Common Stock	427

Reporting Owners

Reporting Owner Name / Address	Relationships
	Director 10% Owner Officer Other
MILLER CHRISTOPHER M 395 OYSTER POINT BLVD., SUITE 415 SOUTH SAN FRANCISCO, CA 94080	VP & Chief Accounting Officer

Signatures

Amy Morgan,
POA 03/31/2009

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).

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.