Stein William Form 3 June 27, 2012

FORM 3

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

OMB APPROVAL

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INITIAL STATEMENT OF 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 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person * Statement Core-Mark Holding Company, Inc. [CORE] Stein William (Month/Day/Year) 06/13/2012 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) 395 OYSTER POINT BLVD., (Check all applicable) **SUITE 415** (Street) 6. Individual or Joint/Group 10% Owner Director Officer Other Filing(Check Applicable Line) (give title below) (specify below) _X_ Form filed by One Reporting **VP-Distribution** Person **SOUTH SAN** Form filed by More than One FRANCISCO. CAÂ 94080 Reporting Person (City) (State) (Zip) Table I - Non-Derivative Securities Beneficially Owned 1. Title of Security 2. Amount of Securities 4. Nature of Indirect Beneficial Beneficially Owned Ownership Ownership (Instr. 4) (Instr. 4) Form: (Instr. 5) Direct (D) or Indirect (I) (Instr. 5) Â Coremark Common Stock D 4,178 Reminder: Report on a separate line for each class of securities beneficially SEC 1473 (7-02) owned directly or indirectly. 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 control number.

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

1. Title of Derivative Security 2. Date Exercisable and 3. Title and Amount of 6. Nature of Indirect **Expiration Date** (Instr. 4) Securities Underlying Conversion Ownership Beneficial (Month/Day/Year) **Derivative Security** or Exercise Form of Ownership (Instr. 4) Price of Derivative (Instr. 5) Derivative Security: Title Direct (D) Security

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	Date Exercisable	Expiration Date		Amount or Number of Shares		or Indirect (I) (Instr. 5)	
07 LTIP NQ GRTD 01-21-2009	01/21/2010	01/21/2016	Coremark Common Stock	102	\$ 19.19	D	Â
Restricted Stock Units 07 LTIP	01/20/2011	01/20/2017	Coremark Common Stock	625	\$ 0.01	D	Â
RSU 10LTIP GR 2012	01/18/2013	01/18/2019	Coremark Common Stock	1,750	\$ 0.01	D	Â
10 LTIP RSU Granted 6-13-12	06/13/2013	06/13/2019	Coremark Common Stock	2,708	\$ 0.01	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships				
. 9	Director	10% Owner	Officer	Other	
Stein William 395 OYSTER POINT BLVD., SUITE 415	Â	Â	VP-Distribution	Â	
SOUTH SAN FRANCISCO, CA 94080					

Signatures

Shawn Levitt,
POA

**Signature of Reporting Person

O6/27/2012

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 5(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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