

Antholzner Gregory P  
 Form 4  
 February 16, 2007

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

OMB APPROVAL

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Check 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 \*  
 Antholzner Gregory P

2. Issuer Name and Ticker or Trading Symbol  
 Core-Mark Holding Company, Inc.  
 [CORE]

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)  
 Director  10% Owner  
 Officer (give title below)  Other (specify below)  
 VP of Finance and Treasurer

(Last) (First) (Middle)  
 395 OYSTER POINT BLVD.,  
 SUITE 415  
 (Street)

3. Date of Earliest Transaction  
 (Month/Day/Year)  
 02/15/2007

SOUTH SAN  
 FRANCISCO, CA 94080

(City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**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 Ownership (Instr. 4)
				(A) or (D)	Price		
				Code	V	Amount	
Coremark Common Stock	02/15/2007		M	A	\$ 15.5	4,100	D
Coremark Common Stock	02/15/2007		S <sup>(1)</sup>	D	\$ 29.94	4,099	D
Coremark Common Stock	02/15/2007		S <sup>(2)</sup>	D	\$ 29.95	4,000	D
	02/15/2007		S <sup>(3)</sup>	D		3,900	D

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Coremark Common Stock					\$ 30.05		
Coremark Common Stock	02/15/2007	<u>S<sup>(4)</sup></u>	1	D	\$ 30.06	3,899	D
Coremark Common Stock	02/15/2007	<u>S<sup>(5)</sup></u>	99	D	\$ 30.07	3,800	D
Coremark Common Stock	02/15/2007	<u>S<sup>(6)</sup></u>	5	D	\$ 30.17	3,795	D
Coremark Common Stock	02/15/2007	<u>S<sup>(7)</sup></u>	95	D	\$ 30.18	3,700	D
Coremark Common Stock	02/15/2007	<u>S<sup>(8)</sup></u>	99	D	\$ 30.19	3,601	D
Coremark Common Stock	02/15/2007	<u>S<sup>(9)</sup></u>	1	D	\$ 30.21	3,600	D
Coremark Common Stock	02/15/2007	<u>S<sup>(10)</sup></u>	100	D	\$ 30.26	3,500	D
Coremark Common Stock	02/15/2007	<u>S<sup>(11)</sup></u>	100	D	\$ 30.35	3,400	D
Coremark Common Stock	02/15/2007	<u>S<sup>(12)</sup></u>	100	D	\$ 30.36	3,300	D
Coremark Common Stock	02/15/2007	<u>S<sup>(13)</sup></u>	200	D	\$ 30.37	3,100	D
Coremark Common Stock	02/15/2007	<u>S<sup>(14)</sup></u>	100	D	\$ 30.39	3,000	D
Coremark Common Stock	02/15/2007	<u>S<sup>(15)</sup></u>	100	D	\$ 30.4	2,900	D
Coremark Common Stock	02/15/2007	<u>S<sup>(16)</sup></u>	100	D	\$ 30.45	2,800	D
Coremark Common	02/15/2007	<u>S<sup>(17)</sup></u>	200	D	\$ 30.47	2,600	D

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Stock							
Coremark Common Stock	02/15/2007	<u>S<sup>(18)</sup></u>	200	D	\$ 30.5	2,400	D
Coremark Common Stock	02/15/2007	<u>S<sup>(19)</sup></u>	200	D	\$ 30.52	2,200	D
Coremark Common Stock	02/15/2007	<u>S<sup>(20)</sup></u>	300	D	\$ 30.53	1,900	D
Coremark Common Stock	02/15/2007	<u>S<sup>(21)</sup></u>	100	D	\$ 30.55	1,800	D
Coremark Common Stock	02/15/2007	<u>S<sup>(22)</sup></u>	200	D	\$ 30.56	1,600	D
Coremark Common Stock	02/15/2007	<u>S<sup>(23)</sup></u>	417	D	\$ 30.58	1,183	D
Coremark Common Stock	02/15/2007	<u>S<sup>(24)</sup></u>	128	D	\$ 30.59	1,055	D
Coremark Common Stock	02/15/2007	<u>S<sup>(25)</sup></u>	455	D	\$ 30.6	600	D
Coremark Common Stock	02/15/2007	<u>S<sup>(26)</sup></u>	400	D	\$ 30.61	200	D
Coremark Common Stock	02/15/2007	<u>S<sup>(27)</sup></u>	100	D	\$ 30.62	100	D
Coremark Common Stock	02/15/2007	<u>S<sup>(28)</sup></u>	100	D	\$ 30.64	0	D

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)



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- (12) Sold per Sec. 10b5-1program
- (13) Sold per Sec. 10b5-1program
- (14) Sold per Sec. 10b5-1program
- (15) Sold per Sec. 10b5-1program
- (16) Sold per Sec. 10b5-1program
- (17) Sold per Sec. 10b5-1program
- (18) Sold per Sec. 10b5-1program
- (19) Sold per Sec. 10b5-1program
- (20) Sold per Sec. 10b5-1program
- (21) Sold per Sec. 10b5-1program
- (22) Sold per Sec. 10b5-1program
- (23) Sold per Sec. 10b5-1program
- (24) Sold per Sec. 10b5-1program
- (25) Sold per Sec. 10b5-1program
- (26) Sold per Sec. 10b5-1program
- (27) Sold per Sec. 10b5-1program
- (28) Sold per Sec. 10b5-1program

**Remarks:**

All sales made pursuant to a 10(b)5-1 Plan.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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