

Casey Mark J  
Form 4  
April 07, 2009

**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 \*  
Casey Mark J

2. Issuer Name and Ticker or Trading Symbol  
HOLOGIC INC [HOLX]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
250 CAMPUS DRIVE

3. Date of Earliest Transaction (Month/Day/Year)  
04/05/2009

\_\_\_ Director \_\_\_ 10% Owner  
\_X\_ Officer (give title below) \_\_\_ Other (specify below)

SVP, General Counsel

(Street)  
MARLBOROUGH, MA 01752

4. 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 Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership Indirect Beneficial Ownership (Instr. 4)
				(A) or (D)	Code V Amount (D) Price		

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

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SEC 1474 (9-02)

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

1. Title of Derivative Security	2. Conversion or Exercise	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any	4. Transaction Code	5. Number of Derivative Securities Acquired	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Underlying Security (Instr. 3 and 4)
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(Instr. 3)	Price of Derivative Security	(Month/Day/Year)	(Instr. 8) Code	(A) or Disposed of (D) (Instr. 3, 4, and 5)		Date Exercisable	Expiration Date	Title
				(A)	(D)			
Non-Qualified Stock Option (right to buy)	\$ 14.87	04/05/2009	A	14,506		<u>(1)</u>	01/16/2015	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 33.31	04/05/2009	D	28,000		<u>(3)</u>	01/16/2015	Common Stock

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Casey Mark J 250 CAMPUS DRIVE MARLBOROUGH, MA 01752			SVP, General Counsel	

## Signatures

Mark J. Casey                      04/07/2009  
 \_\_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).
- (1) The option becomes exercisable in four equal annual installments beginning April 5, 2010.
- (2) On April 5, 2009, the Issuer canceled, pursuant to the Issuer's Option Exchange Program, a seven-year option granted to the Reporting Person on January 16, 2008 for 28,000 shares at \$33.31 per share. In exchange, the Reporting Person received the option reported herein.
- (3) The option provided for vesting in five equal annual installments beginning on January 16, 2009.
- On April 5, 2009, the Issuer canceled, pursuant to the Issuer's Option Exchange Program, an option granted to the Reporting Person on
- (4) January 16, 2008. In exchange, the Reporting Person will receive a replacement option on April 5, 2009 for a lesser number of shares, having an exercise price equal to 110% of the market price of the underlying stock on the grant date.

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.