HOLOGIC INC

Form 4

November 14, 2011

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB 3235-0287

Number:

January 31, Expires: 2005

0.5

Estimated average burden hours per

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Check this box if no longer subject to Section 16. Form 4 or

Form 5 obligations may continue. See Instruction

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(b).

(Last)

1. Name and Address of Reporting Person * CASCELLA ROBERT

(First)

(Street)

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

(Middle)

HOLOGIC INC [HOLX] 3. Date of Earliest Transaction

(Check all applicable)

35 CROSBY DRIVE

(Month/Day/Year)

_X__ Director 10% Owner X_ Officer (give title Other (specify below)

11/09/2011

CEO and President

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

BEDFORD, MA 01730

| (City) | (State) | (Zip) Tabl | le I - Non-I | Derivative (| Securi | ities Acqu | uired, Disposed of | f, or Beneficial | ly Owned |
|--------------------------------------|---|---|--|--|-------------------|-------------|--|--|---|
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transactio Code (Instr. 8) | 4. Securit on(A) or Dis (Instr. 3, 4 | sposed 4 and 3 | of (D) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| | | | Code V | Amount | or (D) | Price | (Instr. 3 and 4) | | |
| Common Stock (1) | 11/09/2011 | | A | 51,336 | A | \$ 0 | 325,161 | D | |
| Common Stock (8) | 11/09/2011 | | A | 292 | A | \$ 0 | 885 | I | By Spouse |
| Common Stock (2) | 11/10/2011 | | F | 4,654 | D | \$ 17.09 | 320,507 | D | |
| Common Stock (3) | 11/10/2011 | | F | 24 | D | \$ 17.09 | 861 | I | By Spouse |
| Common Stock (4) | 11/11/2011 | | F | 8,036 | D | \$ 17.77 | 312,471 | D | |

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| Common Stock (5) | 11/11/2011 | F | 17 | D | \$ 17.77 | 844 | I | By Spouse |
|------------------|------------|---|-------|---|-------------|---------|---|-----------|
| Common Stock (6) | 11/11/2011 | F | 9,499 | D | \$ 17.77 | 302,972 | 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 displays a currently valid OMB control number.

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 (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 or 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 |
|---|---|---|---|---|--|---|--------------------|--|
| | | | | Code V | (A) (D) | Date Exercisable | Expiration Date | Title |
| Non-qualified Stock Option (Right to Buy) | \$ 17.09 | 11/09/2011 | | A | 402,112 | 11/09/2012(7) | 11/09/2018 | Common Stock |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | | | |
|---|---------------|-----------|-------------------|-------|--|--|--|--|
| | Director | 10% Owner | Officer | Other | | | | |
| CASCELLA ROBERT 35 CROSBY DRIVE BEDFORD, MA 01730 | X | | CEO and President | | | | | |

Signatures

/s/ Mark J. Casey, Attorney-In-Fact for Robert A.
Cascella

**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) These shares represent restricted stock units (RSUs) awarded to the Reporting Person pursuant to the 2008 Equity Incentive Plan and are subject to vesting as provided in the agreement evidencing the award.
- (2) The disposition of 4,654 shares of common stock reported on this Form 4 relates to a tax withholding transaction in connection with the vesting of restricted stock units.

Reporting Owners 2

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- (3) The disposition on 24 shares of common stock reported on this Form 4 relates to a tax withholding transaction in connecction with the vesting of restricted stock units (RSUs) held by the Reporting Person's Spouse.
- (4) The disposition of 8,036 shares of common stock reported on this Form 4 relates to a tax withholding transaction in connection with the vesting of restricted stock units.
- (5) The disposition on 17 shares of common stock reported on this Form 4 relates to a tax withholding transaction in connecction with the vesting of restricted stock units (RSUs) held by the Reporting Person's Spouse.
- (6) The disposition of 9,499 shares of common stock reported on this Form 4 relates to a tax withholding transaction in connection with the vesting of restricted stock units.
- (7) The option, issued pursuant to the 2008 Equity Incentive Plan, becomes exercisable in five equal annual installments beginning November 9, 2012.
- (8) These shares represent restricted stock units (RSUs) awarded to the Reporting Person's Spouse pursuant to the 2008 Equity Incentive Plan and are subject to vesting as provided in the agreement evidencing the award.

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.