

Brady David J
Form 4
February 15, 2013

FORM 4

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

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

OMB APPROVAL

OMB
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(Print or Type Responses)

1. Name and Address of Reporting Person *
Brady David J

(Last) (First) (Middle)

35 CROSBY DRIVE

(Street)

BEDFORD, MA 01730

(City) (State) (Zip)

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

3. Date of Earliest Transaction
(Month/Day/Year)
02/14/2013

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

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

____ Director ____ 10% Owner
__X__ Officer (give title below) ____ Other (specify below)

SVP, Human Resources

6. Individual or Joint/Group Filing(Check
Applicable Line)
__X__ 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 Beneficial Ownership (Instr. 4)
Common Stock	02/14/2013		M	20,000	A \$ 13.865	57,863 ⁽¹⁾	D
Common Stock	02/14/2013		S	20,000	D \$ 22.2 ⁽²⁾	37,863	D

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

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information contained in this form are not
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(9-02)

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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 Security (Instr. 3 and 4)
				Code	V (A) (D)	Date Exercisable Expiration Date	Title Amount or Number of Shares
Non-qualified Stock Option (Right to Buy)	\$ 13.865	02/14/2013		M	20,000	(3) 10/31/2015	Common Stock 20,000

Reporting Owners

Reporting Owner Name / Address	Relationships
	Director 10% Owner Officer Other
Brady David J 35 CROSBY DRIVE BEDFORD, MA 01730	SVP, Human Resources

Signatures

/s/ Mark J. Casey, Attorney-In-Fact for David J. Brady
02/15/2013

**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) The balance following the transaction reported herein includes 229 shares of the Issuer's common stock acquired on December 31, 2012 at a transaction price of \$15.33 per share pursuant to the Issuer's Employee Stock Purchase Plan ("ESPP").
The transaction reported herein reflects an aggregate of sales at prices ranging from \$22.19 to \$22.23, inclusive. The Reporting Person
- (2) further undertakes to provide upon request by the Commission staff, the Issuer, or a security holder of the Issuer, full disclosure with respect to the number of shares sold at each separate price.
- (3) This non-qualified stock option was originally issued on October 31, 2005 pursuant to the Second Amended and Restated 1999 Equity Incentive Plan and was accelerated as a result of the business combination with Cytoc on October 22, 2007 pursuant to a change in control provision within the grant.

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.