

Williamson Steve S  
 Form 4  
 February 17, 2011

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 0.5

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 \*  
 Williamson Steve S

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)  
 35 CROSBY DRIVE  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 02/15/2011

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
 SVP, GYN Surgical

BEDFORD, MA 01730

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

(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 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)
			Code	V	Amount	(A) or (D)	Price
Common Stock	02/15/2011		M		12,400	A	\$ 14.5
							55,618
Common Stock <sup>(1)</sup>	02/15/2011		S		12,400	D	\$ 19.96
							43,218
Common Stock	02/15/2011		M		4,400	A	\$ 14.1
							47,618
Common Stock <sup>(2)</sup>	02/15/2011		S		4,400	D	\$ 19.95
							43,218
	02/16/2011		S		1,707	D	
							41,511

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Common Stock \$ 20.26

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)

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)	8. Amount or Number of Shares
Non-Qualified Stock Option (right to buy)	\$ 14.1	02/15/2011		M	4,400	<sup>(3)</sup> 12/14/2016	Common Stock	4,400
Non-Qualified Stock Option (right to buy)	\$ 14.5	02/15/2011		M	12,400	<sup>(4)</sup> 11/13/2015	Common Stock	12,400

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Williamson Steve S 35 CROSBY DRIVE BEDFORD, MA 01730			SVP, GYN Surgical	

## Signatures

By: Mark J. Casey, Attorney-In-Fact For: Steve S. Williamson 02/17/2011

\_\_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)

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The transaction reported herein reflects an aggregate of sales whose prices ranged between \$19.95 and \$19.995. The Reporting Person 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.

- (2) The transaction reported herein reflects an aggregate of sales whose prices ranged between \$19.95 and \$19.96. The Reporting Person 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 issued pursuant to the Issuer's 2008 Equity Incentive Plan and becomes exercisable in five equal annual installments beginning December 14, 2010.
- (4) This non-qualified stock option was originally issued on November 13, 2008 pursuant to the 2008 Equity Incentive Plan and becomes exercisable in five equal annual installments beginning November 13, 2009.

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.