West Thomas A. Form 4

November 14, 2018

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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if no longer subject to Section 16. Form 4 or Form 5

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

(Print or Type Responses)

250 CAMPUS DRIVE

1(b).

(Last)

(City)

1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading West Thomas A. Symbol

(Middle)

(Zip)

HOLOGIC INC [HOLX]

3. Date of Earliest Transaction

(Month/Day/Year)

11/12/2018

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 Other (specify below) below)

Div President & GM, Diagnostic

6. Individual or Joint/Group Filing(Check

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

D

Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

MARLBOROUGH, MA 01752

(First)

(Street)

(State)

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following Reported

6. Ownership 7. Nature of Form: Direct Indirect (D) or Beneficial Indirect (I) Ownership (Instr. 4) (Instr. 4)

Transaction(s) (Instr. 3 and 4)

or Code V Amount (D) Price

(A)

Common 11/12/2018 Stock

6,712 A (2) (1)

56,764 (3)

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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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. Transactic Code (Instr. 8)	5. Number of onDerivative 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 Underlying Securiti (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amou or Numb of Sha
Non-qualified Stock Option (Right to Buy)	\$ 40.97	11/12/2018		A	20,491	<u>(4)</u>	11/12/2028	Common Stock	20,4

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

West Thomas A. 250 CAMPUS DRIVE MARLBOROUGH, MA 01752

Div President & GM, Diagnostic

Signatures

/s/ Patricia K. Dolan, attorney-in-fact for Mr.

West 11/14/2018

**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) Represents restricted stock units which vest in equal installments on each of the first three anniversaries of the grant date, November 12, 2018
- (2) Restricted stock units are settled in shares of common stock on a one-for-one basis.
- (3) Includes 34,527 restricted stock units/performance share units, the settlement of which has been deferred pursuant to the Issuer's Deferred Equity Plan.
- (4) This option to purchase common stock becomes exercisable in equal installments on each of the first four anniversaries of the grant date, November 12, 2018.

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.

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