HOLOGIC INC Form 4 May 31, 2016

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

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

Check this box

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

1(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * Oberton Karleen Marie			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)	3. Date of Earliest Transaction	(Check an applicable)		
			(Month/Day/Year)	Director 10% Owner		
250 CAMPUS DRIVE (Street) MARLBOROUGH, MA 01752			05/26/2016	_X_ Officer (give title Other (specify below)		
			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

(City)	(State)	(Zip) Tabl	e I - Non-D	erivative	Secui	ities Acqu	ired, Disposed of	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2. Transaction Date 2A. Deemed Month/Day/Year) Execution Date, if any (Month/Day/Year)		n(A) or Di	curities Acquired or Disposed of (D) r. 3, 4 and 5)		5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	(Instr. 4)	
Common Stock	05/26/2016		M	525	A	<u>(1)</u>	8,819	D	
Common Stock	05/26/2016		F	166	D	\$ 33.85	8,653	D	
Common Stock	05/26/2016		M	4,228	A	\$ 15.75	12,881	D	
Common Stock	05/26/2016		S	4,228	D	\$ 33.853	8,847 (2)	D	

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)

Do Se	Title of erivative curity sstr. 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 Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		Underlying S	Title and Amoun Jnderlying Securiti Instr. 3 and 4)	
					Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amou or Numb of Share	
St A	estricted tock Unit ward (Right to Receive)	\$ 0 (1)	05/26/2016		M	525	(3)	(3)	Common Stock	52:	
St	on-qualified tock Option Right to Buy)	\$ 15.75	05/26/2016		M	4,228	11/11/2010	11/11/2016	Common Stock	4,22	

Reporting Owners

Reporting Owner Name / Address	Relationships						
1	Director	10% Owner	Officer	Other			
Oberton Karleen Marie			Corp. VP &				
250 CAMPUS DRIVE			Chief Acctg				
MARLBOROUGH, MA 01752			Officer				

Signatures

/s/ Patricia K. Dolan, attorney-in-fact for Ms. 05/31/2016 Oberton

> **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) Restricted stock units (RSUs) convert into common stock on a one-for-one basis upon vesting.
- Includes 194 shares acquired pursuant to the Issuer's employee stock purchase plan since the date of the Reporting Person's most recently **(2)** filed Form 4.

Reporting Owners 2

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(3) This RSU award vests in four equal installments beginning on first anniversary of 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.