HOLOGIC INC

Form 4 February 07, 2007

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB Number:

3235-0287

0.5

January 31, Expires: 2005

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OMB APPROVAL

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

SECURITIES 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. See Instruction

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

02/07/2007

Stock Common

Stock (1)

1. Name and Address of Reporting Person * MUIR GLENN P		Symbol	r Name and Ticker or Trading GIC INC [HOLX]	5. Relationship of Reporting Person(s) to Issuer		
(Last)	(First) (M		f Earliest Transaction	(Check all applicable)		
(Last)	(Tist) (I	,	Day/Year)	X Director 10% Owner		
35 CROSB	Y DRIVE	02/07/2		X Officer (give title Other (specify below)		
	(Street)	4. If Ame	endment, Date Original	6. Individual or Joint/Group Filing(Check		
		Filed(Mo	nth/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person		
BEDFORD	, MA 01730			Form filed by More than One Reporting Person		
(City)	(State)	(Zip) Tab	le I - Non-Derivative Securities Ac	quired, Disposed of, or Beneficially Owned		
1.Title of	2. Transaction Date	2A. Deemed	3. 4. Securities Acquired	5. Amount of 6. 7. Nature of		
Security	(Month/Day/Year)	Execution Date, if	Transaction(A) or Disposed of (D)	Securities Ownership Indirect		
(Instr. 3)		any (Month/Day/Year)	Code (Instr. 3, 4 and 5) (Instr. 8) (A) or Code V Amount (D) Price	Beneficially Owned (D) or Following Reported (Instr. 4) Transaction(s) (Instr. 3 and 4)		
Common	02/07/2007		M 10,000 A \$ 9.5	150,722 D		

10,000 D

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

S

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140,722

D

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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	2.	3. Transaction Date	3A. Deemed	4.	5. Number of	6. Date Exerci	sable and	7. Title and A	mou
	Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	orDerivative	Expiration Dat	e	Underlying S	ecur
	Security	or Exercise		any	Code	Securities	(Month/Day/Y	ear)	(Instr. 3 and	4)
(Instr. 3)		Price of		(Month/Day/Year)	(Instr. 8)	Acquired (A)				
		Derivative				or Disposed of				
		Security				(D)				
						(Instr. 3, 4,				
						and 5)				
										Am
							Date	Expiration		or
							Exercisable	Date	Title	Nui
					Code V	(A) (D)				of S
	Non-Qualified	Φ 0. 5	00/07/0007		24	10.000	00/02/0005	00/22/2000	Common	1.0
	Stock Option	\$ 9.5	02/07/2007		M	10,000	09/23/2005	09/23/2009	Stock	10

Reporting Owners

Reporting Owner Name / Address	Relationships				
r	Director	10% Owner	Officer	Other	
MUIR GLENN P					
35 CROSBY DRIVE	X		Executive VP & CFO		
REDEORD MA 01730					

Signatures

Glenn Muir 02/07/2007

**Signature of 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 sales were made pursuant to a 10b5-1 plan adopted on January 31, 2006.

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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