

CHASE HOWARD E
Form 4
May 24, 2007

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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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 *
CHASE HOWARD E

2. Issuer Name and Ticker or Trading Symbol
THORATEC CORP [THOR]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
6035 STONERIDGE DRIVE
(Street)

3. Date of Earliest Transaction (Month/Day/Year)
05/22/2007

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

PLEASANTON, CA 94551

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	(D)	Price
Common Stock	05/22/2007		M		1,875	A	\$ 10 10,625
Common Stock	05/22/2007		M		1,875	A	\$ 10.67 12,500
Common Stock	05/22/2007		S		1,875	D	\$ 18.51 10,625
Common Stock	05/22/2007		S		1,675	D	\$ 18.58 8,950
Common Stock	05/22/2007		S		200	D	\$ 18.5852 8,750
	05/23/2007		M		1,875	A	\$ 13.65 10,625

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Common Stock								
Common Stock	05/23/2007		M	1,875	A	\$ 12.8	12,500	D
Common Stock	05/23/2007		M	1,875	A	\$ 11.8	14,375	D
Common Stock	05/23/2007		S	1,875	D	\$ 19.27	12,500	D
Common Stock	05/23/2007		S	3,750	D	\$ 19.32	8,750	D

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

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(9-02)

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 (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
Non-Qualified Stock Option (right to buy)	\$ 10	05/22/2007		M	1,875	08/19/2004 ⁽¹⁾ 08/19/2009	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 10.67	05/22/2007		M	1,875	11/18/2004 ⁽¹⁾ 11/18/2009	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 13.65	05/23/2007		M	1,875	05/29/2003 ⁽¹⁾ 05/29/2008	Common Stock
No-Qualified Stock Option (right to buy)	\$ 12.8	05/23/2007		M	1,875	02/26/2004 ⁽¹⁾ 02/26/2009	Common Stock
Non-Qualified Stock Option	\$ 11.8	05/23/2007		M	1,875	02/24/2005 ⁽¹⁾ 02/24/2010	Common Stock

(right to buy)

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
CHASE HOWARD E 6035 STONERIDGE DRIVE PLEASANTON, CA 94551		X		

Signatures

/s/ David A. Lehman, Attorney-In-Fact	05/24/2007
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__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) This option vested 100% on the grant date.
 - (2) This option was granted pursuant to the Company's equity incentive plans as a non-qualified option with no payment received for the option.

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.