FINNEY ELISHA W Form 4

May 26, 2011 FORM 4

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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Check this box if no longer subject to Section 16.

Form 4 or Form 5 obligations may continue.

See Instruction

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(b).

1. Name and Address of Reporting Person * FINNEY ELISHA W

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

THORATEC CORP [THOR]

(Check all applicable)

(Last)

(First) (Middle)

(Zip)

3. Date of Earliest Transaction

(Month/Day/Year) 05/25/2011

X_ Director 10% Owner Other (specify Officer (give title

6035 STONERIDGE DRIVE

(Street)

(State)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check Applicable Line)

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

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

below)

PLEASANTON, CA 94588

(City)

1.Title of	2. Transaction Date		3.	4. Securit		5. Amount of	6. Ownership	
Security	(Month/Day/Year)	Execution Date, if	TransactionAcquired (A) or			Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	Code Disposed of (D)		Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)	(Instr. 3, 4	4 and 5)	Owned	Indirect (I)	Ownership
						Following	(Instr. 4)	(Instr. 4)
						Reported		
					(A)	Transaction(s)		
					or	(Instr. 3 and 4)		
			Code V	Amount	(D) Price	(mour. 5 und 1)		

Common \$0 05/25/2011(2) A 5,092 22,342 D Stock (1)

By Common Separate 1,000 I Stock **Property**

Trust (4)

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	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Titl	e and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	orNumber	Expiration D	ate	Amou	nt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ities	(Instr. 5)	Bene
	Derivative				Securities			(Instr.	3 and 4)		Own
	Security				Acquired						Follo
	•				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									A		
									Amount		
						Date	Expiration	T:41-	or Namelana		
						Exercisable	Date		Number		
				C 1 W	(A) (D)				of		
				Code V	(A) (D)				Shares		

Reporting Owners

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer

FINNEY ELISHA W 6035 STONERIDGE DRIVE X PLEASANTON, CA 94588

Signatures

/s/David A. Lehman, Attorney-In-Fact

05/26/2011

Date

**Signature of Reporting Person

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).
- Represents restricted stock units. Each restricted stock unit represents a right to receive one share of Thoratec Corporation common stock upon vesting. The restricted stock units vest in four equal annual installments commencing one year after the grant date.
- Annual stock grant according to the Company's 2006 Incentive Stock Plan.
- Restricted stock units were granted pursuant to the Company's 2006 Incentive Stock Plan with no payment received for the restricted (3) stock units.
- (4) Elisha Finney as Trustee of the Robert D. Finney and Elisha W. Finney 2000 Revocable Trust.

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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