

MULVENA DANIEL M

Form 4

May 13, 2009

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

OMB APPROVAL

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Check this box
 if no longer
 subject to
 Section 16.
 Form 4 or
 Form 5
 obligations
 may continue.
See Instruction
 1(b).

**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 *
 MULVENA DANIEL M

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)
 05/13/2009

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

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

PLEASANTON, CA 94588

(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 Ownership (Instr. 4)
Common Stock ⁽¹⁾	05/13/2009 ⁽²⁾		A	5,000 A	\$ 0 ⁽³⁾ 18,750	D	

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

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 information contained in this form are not
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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)**

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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. Transaction 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)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Owned Following Reported Transaction (Instr. 6)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MULVENA DANIEL M 6035 STONERIDGE DRIVE PLEASANTON, CA 94588	X			

Signatures

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

05/13/2009

****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. 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.
- (2) Annual stock grant according to the Company's 2006 Incentive Stock Plan.
- (3) Restricted stock units were granted pursuant to the Company's 2006 Incentive Stock Plan with no payment received for the restricted stock units.

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.