# FORM 5

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

**ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| 1. Name and Address of Reporting Person* CHOW JOSEPH W | 2. Issuer Name **and** Ticker or Trading Symbol HERCULES TECHNOLOGY GROWTH CAPITAL INC [HTGC] | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director _____ 10% Owner _____ Officer (give title below) _____ Other (specify below) |
|---|---|---|
| (Last) (First) (Middle) C/O HERCULES TECHNOLOGY GROWTH CAPITAL, 400 HAMILTON AVE., SUITE 310 | 3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 12/31/2010 | |
| (Street) PALO ALTO, CA 94301 | 4. If Amendment, Date Original Filed (Month/Day/Year) | 6. Individual or Joint/Group Reporting (check applicable line) X 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 at end of Issuer's Fiscal Year (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Amount | (A) or (D) | Price | | | |
| Common Stock $0.001 par value | 12/31/2010 | | A | 103 [1] | A | $ [1] | 84,530 | D | |

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

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

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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 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 Beneficially Owned at End of Issuer's Fiscal Year (Instr. 4) | 10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | | |

# Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---|---|---|---|
| | Director | 10% Owner | Officer | Other |
| CHOW JOSEPH W C/O HERCULES TECHNOLOGY GROWTH CAPITAL 400 HAMILTON AVE., SUITE 310 PALO ALTO, CA 94301 | X | | | |

# Signatures

| /s/Scott Harvey, Attorney-in-fact for Joseph W. Chow | 02/10/2011 |
|---|---|

# 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)** Shares acquired through the Hercules Technology Growth Capital, Inc. Dividend Reinvestment Plan.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.