

McDaniel Gregory E
 Form 4
 November 23, 2004

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 *
 McDaniel Gregory E

2. Issuer Name and Ticker or Trading Symbol
 CROMPTON CORP [CK]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 199 BENSON ROAD
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 11/23/2004

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 SVP Strategy & New Bus. Dev.

MIDDLEBURY, CT 06749

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 (A) or (D) Price			
Common Stock	11/23/2004		J ⁽¹⁾	1,258.591 A \$ 0	1,258.591	I	ESOP Trust
Common Stock	11/23/2004		J ⁽²⁾	231.201 A \$ 0	231.201	I	Savings Plan (401K) Trust
Common Stock	11/23/2004		J ⁽³⁾	10,000 A \$ 11.24	10,000	I	Restricted Stock Account

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 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)	Amount or Number of Shares
NQ Stock Option (Right to Buy)	\$ 11.24	11/23/2004		J ⁽⁴⁾	35,000	11/23/2005 11/22/2014	Common Stock	35,000

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
McDaniel Gregory E 199 BENSON ROAD MIDDLEBURY, CT 06749			SVP Strategy & New Bus. Dev.	

Signatures

Gregory E. McDaniel
11/23/2004
**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) These shares were acquired during the fiscal year pursuant to the Registrant's Employee Stock Ownership Plan and through reinvestment of dividends paid on the shares in this fund (ESOP Trust).
- (2) These shares were acquired during the fiscal year pursuant to the Registrant's Employee Savings Plan and through reinvestment of dividends paid on share in this fund (Savings Plan (401k) Trust).
- (3) Restricted shares will vest as follows: 5,000 on 11/23/2008; and 5,000 on 11/23/2009.
- (4) Options will vest as follows: 11,666 on 11/23/2005; 11,666 on 11/23/2006; and 11,668 on 11/23/2007.

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Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.
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