

Elvig Mark F
 Form 4
 February 19, 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 *
 Elvig Mark F

2. Issuer Name and Ticker or Trading Symbol
 CORE LABORATORIES N V [CLB]

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)

(Last) (First) (Middle)
 6316 WINDFERN
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 02/18/2009

____ Director ____ 10% Owner
 Officer (give title below) ____ Other (specify below)
 VP, Counsel & Secretary

HOUSTON, TX 77040
 (City) (State) (Zip)

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

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 Shares | 02/18/2009 | | I | 484 ⁽¹⁾ A | \$ 63.78 531 | I | 401(k) Plan |

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)

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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 | 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. Amount or Number of Shares |
|--|--|--------------------------------------|--|---------------------|---|--|---|-------------------------------|
| Phantom Shares in Deferred Compensation Plan | (2) | 02/18/2009 | | I | 528 | (2) (2) | Common Shares | 528 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|-------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Elvig Mark F 6316 WINDFERN HOUSTON, TX 77040 | | | VP, Counsel & Secretary | |

Signatures

/s/ Mark F. Elvig 02/19/2009
 **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) These shares are being acquired by converting holdings in the Company's 401(k) plan and other investments into an investment in Company shares upon the election of the reporting person. These shares are being acquired to satisfy a requirement of holding a certain minimum amount of Company shares as set forth in the Supplemental Executive Retirement Plan granted to the reporting person as of January 1, 2009.
- (2) These shares are phantom shares that entitle the reporting person to receive a cash settlement only. No common shares are being issued nor are they ever to be issued. The phantom shares are being transferred from other elections in a deferred compensation plan into the deemed investment in Company shares upon the election of the reporting person. These shares are being acquired to satisfy a requirement of holding a certain minimum amount of Company shares as set forth in the Supplemental Executive Retirement Plan granted to the reporting person as of January 1, 2009.

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.