

Elvig Mark F
Form 4
May 29, 2012

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 ROAD
(Street)

3. Date of Earliest Transaction (Month/Day/Year)
05/25/2012

____ 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 Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) | | |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|-----|-------|
| | | | | (A) or (D) | Code | V | Amount | (D) | Price |

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.

SEC 1474
(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security | 2. Conversion or Exercise | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any | 4. Transaction Code | 5. Number of | 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 |
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|--------------|--|---|---------------------------------|
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|--------------|--|---|---------------------------------|

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| (Instr. 3) Price of Derivative Security | (Month/Day/Year) | (Instr. 8) Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | (Instr. 5) | | | | | | |
|--|------------------|---|------------|---------------------|--------------------|-------|--|---|-----------|
| Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | |
| Phantom Shares | (1) | 05/25/2012 | A | 8 | (1) | (1) | Common Shares | 8 | \$ 135.23 |

Reporting Owners

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

Signatures

/s/ Mark Elvig 05/29/2012

__Signature of Date
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).
- (1) Each phantom share is the economic equivalent of our common share and may be settled only in cash upon the termination of the reporting person's employment. These phantom shares were automatically acquired pursuant to the dividend reinvestment feature of the Core Laboratories LP Deferred Compensation Plan (the "Deferred Compensation Plan") following the payment of the Company's quarterly dividend and is based upon the stock price on the date of that dividend.

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.