

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 <sup>(1)</sup> A	\$ 63.78 531	I	401(k) Plan

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

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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	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. Title and Amount of Underlying Securities (Instr. 3 and 4)
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				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	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  
Date: 02/19/2009  
\*\*Signature of 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) 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.