

VRIESENDORP ALEXANDER  
 Form 4  
 April 05, 2010

**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 \*  
 VRIESENDORP ALEXANDER

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)

3. Date of Earliest Transaction (Month/Day/Year)  
 04/01/2010

Director  10% Owner  
 Officer (give title below)  Other (specify below)

BREMHORSTLAAN 7

(Street)

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

WASSENAAAR, P7 2244 EN

(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 Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
|                                 |                                      |  |                                | (A) or (D)  | Price   |  |                                   |
|                                 |                                      |  |                                | Code  | V   | Amount   |                                   |

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 Derivative | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. P... Der... Sec... |
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|-------------------------|--|---|-----------------------|
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|-------------------------|--|---|-----------------------|

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| (Instr. 3)                          | Price of<br>Derivative<br>Security | (Month/Day/Year) | (Instr. 8) | Securities<br>Acquired<br>(A) or<br>Disposed<br>of (D)<br>(Instr. 3, 4,<br>and 5) |     |     |                     |                    |                  |  |
|-------------------------------------|------------------------------------|------------------|------------|---|-----|-----|---------------------|--------------------|------------------|--|
|                                     |                                    |                  | Code       | V   | (A) | (D) | Date<br>Exercisable | Expiration<br>Date | Title            | Amount<br>or<br>Number<br>of<br>Shares |
| Restricted<br>Performance<br>Shares | \$ 0                               | 04/01/2010       | A          |   | 765 |     | <u>(1)</u>          | <u>(1)</u>         | Common<br>Shares | 765                                    |

## Reporting Owners

| Reporting Owner Name / Address                                     | Relationships |           |         |       |
|--|---------------|-----------|---------|-------|
|  | Director      | 10% Owner | Officer | Other |
| VRIESENDORP ALEXANDER<br>BREMHORSTLAAN 7<br>WASSENAAAR, P7 2244 EN |               | X         |         |       |

## Signatures

/s/ Mark Elvig,  
Attorney-in-Fact

04/05/2010

\*\*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) The Restricted Performance Shares vest based on the Company's return on invested capital for the period that began on January 1, 2010 and ends on December 31, 2012 (the "performance period") as follows. If the Company's return on invested capital at the end of the performance period is in the top decile of the return on invested capital of the Company's peers as published by Bloomberg, then the Restricted Performance Shares will fully vest. If this criteria is not met, then no shares shall vest and the award will be forfeited.
- 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.