

CORE LABORATORIES N V  
 Form 5  
 January 24, 2007

**FORM 5**

**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).  
 Form 3 Holdings Reported Form 4 Transactions Reported

**ANNUAL 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

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. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)  
 12/31/2006

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

BREMHORSTLAAN 7, 2244 EN WASSENAAR

(Street)

4. If Amendment, Date Original Filed (Month/Day/Year)

6. Individual or Joint/Group Reporting

(check applicable line)

THE NETHERLANDS, P7

(City) (State) (Zip)

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)<br>(A) or (D) Price | 5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|--|--|-----------------------------------|
|---------------------------------|--------------------------------------|--|--------------------------------|---|--|--|-----------------------------------|

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 2270 (9-02)

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

| 1. Title of Derivative | 2. Conversion | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if | 4. Transaction | 5. Number of Derivative | 6. Date Exercisable and Expiration Date | 7. Title and Amount of Underlying Securities |
|------------------------|---------------|--------------------------------------|-------------------------------|----------------|-------------------------|---|--|
|------------------------|---------------|--------------------------------------|-------------------------------|----------------|-------------------------|---|--|

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| Security (Instr. 3)           | or Exercise Price of Derivative Security | any (Month/Day/Year) | Code (Instr. 8) | Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | (Month/Day/Year) | (Instr. 3 and 4) |                 |       |                            |       |
|-------------------------------|--|----------------------|-----------------|---|------------------|------------------|-----------------|-------|----------------------------|-------|
|                               |  |                      |                 | (A)   | (D)              | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |       |
| Restricted Performance Shares | \$ 0                                     | 09/15/2006           | Â               | A4  | 2,000            | Â                | Â (1)           | Â (1) | Common Shares              | 2,000 |

## Reporting Owners

| Reporting Owner Name / Address  | Relationships |           |         |       |
|---|---------------|-----------|---------|-------|
|   | Director      | 10% Owner | Officer | Other |
| VRISENDORP ALEXANDER<br>BREMHORSTLAAN 7<br>2244 EN WASSENAAR<br>THE NETHERLANDS, P7 | Â X           | Â         | Â       | Â     |

## Signatures

John D. Denson, as  
Attorney-in-Fact

01/24/2007

\_\_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).

The Restricted Performance Shares vest based on the Company's return on equity for the period that begins on September 15, 2006 and ends on September 15, 2009 (the "performance period") as follows: (a) if the Company's return on equity for the performance period equals or exceeds thirty-five percent (35%) the Restricted Performance Shares will fully vest; (b) if the Company's return on equity for the performance period is less than thirty-five percent (35%) but equal to or greater than twenty-eight percent (28%), the twenty-percent (20%) of the Restricted Performance Shares will vest, plus one and one-seventh percent (1-1/7%) for each one-tenth of a percent by which the return on equity exceeds twenty-eight percent (28%); and (c) if the Company's return on equity for the performance period is less than twenty-eight percent (28%) the Restricted Performance Shares will not vest.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.