

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 *
 Perna Joseph R

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)

6 BROOKSIDE DRIVE

(Street)

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

6. Individual or Joint/Group Reporting

(check applicable line)

TITUSVILLE, NJ 05860

(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) (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 Indirect Beneficial 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 Security (Instr. 3) | 2. Conversion or Exercise Price of | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) |
|--|------------------------------------|--------------------------------------|--|--------------------------------|---|--|---|
|--|------------------------------------|--------------------------------------|--|--------------------------------|---|--|---|

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| Derivative Security | | | | | or Disposed of (D) (Instr. 3, 4, and 5) | | | Expiration Date | Title | Amount or Number of Shares |
|-------------------------------------|-------|------------|----------|------|--|-----|--------------|--------------------|------------------|--|
| | Price | Date | Quantity | Type | (A) | (D) | Date | | | |
| | | | | | Exercisable | | | | | |
| Restricted Performance Shares | \$ 0 | 09/15/2006 | Â | A4 | 2,000 | Â | Â <u>(1)</u> | Â <u>(1)</u> | Common Shares | 2,000 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| Perna Joseph R 6 BROOKSIDE DRIVE TITUSVILLE, NJ 05860 | 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.