

CORE LABORATORIES N V  
 Form 4  
 February 23, 2007

**FORM 4**

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549**

OMB APPROVAL

OMB Number: 3235-0287  
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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 \*  
 DEMSHUR DAVID M

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)  
 02/21/2007

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

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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Shares	02/21/2007		M		35,000	A	\$ 18.375
Common Shares	02/21/2007		M		80,000	A	\$ 13.0625
Common Shares	02/21/2007		M		50,000	A	\$ 19.375
Common Shares	02/21/2007		M		100,000	A	\$ 16.1
Common Shares	02/21/2007		M		140,000	A	\$ 8.84

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Common Shares	02/21/2007	M	150,000	A	\$ 10.26	962,265	D
Common Shares	02/21/2007	F	244,329	D	\$ 79.31	717,936	D
Common Shares	02/22/2007	S	300	D	\$ 79.03	717,636	D
Common Shares	02/22/2007	S	100	D	\$ 79.04	717,536	D
Common Shares	02/22/2007	S	1,700	D	\$ 79.2	715,836	D
Common Shares	02/22/2007	S	800	D	\$ 79.23	715,036	D
Common Shares	02/22/2007	S	2,800	D	\$ 79.25	712,236	D
Common Shares	02/22/2007	S	200	D	\$ 79.26	712,036	D
Common Shares	02/22/2007	S	100	D	\$ 79.28	711,936	D
Common Shares	02/22/2007	S	2,900	D	\$ 79.3	709,036	D
Common Shares	02/22/2007	S	1,400	D	\$ 79.31	707,636	D
Common Shares	02/22/2007	S	300	D	\$ 79.32	707,336	D
Common Shares	02/22/2007	S	300	D	\$ 79.34	707,036	D
Common Shares	02/22/2007	S	400	D	\$ 79.35	706,636	D
Common Shares	02/22/2007	S	500	D	\$ 79.36	706,136	D
Common Shares	02/22/2007	S	200	D	\$ 79.37	705,936	D
Common Shares	02/22/2007	S	800	D	\$ 79.39	705,136	D
Common Shares	02/22/2007	S	2,400	D	\$ 79.4	702,736	D
Common Shares	02/22/2007	S	1,000	D	\$ 79.41	701,736	D
Common Shares	02/22/2007	S	300	D	\$ 79.42	701,436	D
	02/22/2007	S	200	D	\$ 79.43	701,236	D

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Common Shares							
Common Shares	02/22/2007		S	200	D	\$ 79.45	701,036 D
Common Shares	02/22/2007		S	100	D	\$ 79.46	700,936 D
Common Shares	02/22/2007		S	700	D	\$ 79.47	700,236 D
Common Shares	02/22/2007		S	300	D	\$ 79.48	699,936 D

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.**

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(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 Derivative Security	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) 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)	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount Number Shares
Option to Acquire Common Shares	\$ 18.375	02/21/2007		M	35,000	02/11/2002	02/11/2008	Common Shares	35,000
Option to Acquire Common Shares	\$ 13.0625	02/21/2007		M	80,000	04/07/2003	04/07/2009	Common Shares	80,000
Option to Acquire Common Shares	\$ 19.375	02/21/2007		M	50,000	02/23/2004	02/23/2010	Common Shares	50,000
Option to Acquire Common Shares	\$ 16.1	02/21/2007		M	100,000	04/03/2005	04/03/2011	Common Shares	100,000
	\$ 8.84	02/21/2007		M	140,000	12/31/2005	03/13/2013		140,000

Option to  
Acquire  
Common  
Shares

Common  
Shares

Option to  
Acquire  
Common  
Shares

\$ 10.26

02/21/2007

M

150,000

09/26/2005

09/26/2011

Common  
Shares

150,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
DEMSHUR DAVID M 6316 WINDFERN HOUSTON, TX 77040	X		President & CEO	

## Signatures

/s/ John D. Denson,  
Attorney-in-Fact

02/23/2007

\_\_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).

### Remarks:

There are 3 Form 4s being filed today for this reporting person due to EDGAR limitation; all sales were completed the same day for a total of 100,000 shares sold by such reporting person.

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.