GEN PROBE INC

Form 4

December 20, 2006

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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obligations may continue. See Instruction

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(b).

1. Name and Address of Reporting Person * MIMMS LARRY

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

(Check all applicable)

Executive VP, Research and Dev.

Issuer

(Last)

(City)

(First)

(Street)

(State)

(Zip)

(Middle)

GEN PROBE INC [GPRO]

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

12/18/2006

Director 10% Owner

X_ Officer (give title below)

Other (specify

GEN-PROBE

INCORPORATED, 10210 **GENETIC CENTER DRIVE**

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

SAN DIEGO, CA 92121

| | | 1 401 | Table 1 - Non-Derivative Securities Acquired, Disposed of, or Deficiciany Owned | | | | | | | | |
|-----------------|---------------------|--------------------|---|----------------------------------|-----|-------------|------------------|--------------|------------|--|--|
| 1.Title of | 2. Transaction Date | | 3. | 4. Securities Acquired | | | 5. Amount of | 6. Ownership | | | |
| Security | (Month/Day/Year) | Execution Date, if | | ransaction(A) or Disposed of (D) | | | Securities | Form: Direct | Indirect | | |
| (Instr. 3) | | any | Code | (Instr. 3, 4 and 5) | | | Beneficially | (D) or | Beneficial | | |
| | | (Month/Day/Year) | (Instr. 8) | | | | Owned | Indirect (I) | Ownership | | |
| | | | | | | | Following | (Instr. 4) | (Instr. 4) | | |
| | | | | | (4) | | Reported | | | | |
| | | | | | (A) | | Transaction(s) | | | | |
| | | | | | or | | (Instr. 3 and 4) | | | | |
| | | | Code V | Amount | (D) | Price | (msar. 5 and 1) | | | | |
| Common | 12/18/2006 | | M | 800 | A | \$ 12.29 | 24,912 | D | | | |
| Stock | | | | | | 12.29 | | | | | |
| Common Stock | 12/18/2006 | | S <u>(1)</u> | 800 | D | \$ 53.09 | 24,112 | D | | | |

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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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. Transactic Code (Instr. 8) | 5. Number on f 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 or Number of Shares |
| Employee Stock Option (Right to Buy) | \$ 12.29 | 12/18/2006 | | M | 800 | (2) | 06/01/2012 | Common Stock | 800 |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

MIMMS LARRY GEN-PROBE INCORPORATED 10210 GENETIC CENTER DRIVE SAN DIEGO, CA 92121

Executive VP, Research and Dev.

8. F Der Sec (Ins

Signatures

/s/ R. William Bowen, Attorney-in-Fact

**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).

12/19/2006

- (1) The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on February 23, 2006.
- (2) Option vests as follows: 25% vested on 6/1/03, with 1/48th vesting monthly over the following three years.

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.

Reporting Owners 2