MITCHELL DANIEL J

Form 4

December 12, 2008

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB

Expires:

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Washington, D.C. 20549

3235-0287 Number: January 31,

OMB APPROVAL

subject to Section 16. Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

2005 Estimated average burden hours per response... 0.5

Form 5 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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * MITCHELL DANIEL J

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

REPLIDYNE INC [RDYN]

(Check all applicable)

(Last)

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

_X__ Director

10% Owner _ Other (specify Officer (give title

SEQUEL VENTURE PARTNERS, 12/10/2008

L.L.C., 4430 ARAPAHOE **AVENUE, SUITE 220**

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

(Street)

Filed(Month/Day/Year) Applicable Line)

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

BOULDER, CO 80303

| (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. Transactic Code (Instr. 8) | 4. Securit coor Dispos (Instr. 3, 4 | ed of (| | 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) |
| Common Stock | 12/10/2008 | | P | 10,000 | A | \$ 0.7101 | 69,366 | I | By The Daniel J. Mitchell Trust |
| Common Stock | 12/10/2008 | | P | 1,760 | A | \$ 0.7 | 71,126 | I | By The Daniel J. Mitchell Trust |
| Common Stock | 12/11/2008 | | P | 300 | A | \$ 0.62 | 71,426 | I | By The Daniel J. Mitchell Trust |
| Common | 12/11/2008 | | P | 1,700 | A | \$ 0.65 | 73,126 | I | By The Daniel |

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| Stock | | | | | | | | J. Mitchell Trust |
|-----------------|------------|---|-------|---|----------|-----------|---|---|
| Common Stock | 12/11/2008 | P | 700 | A | \$ 0.66 | 73,826 | I | By The Daniel J. Mitchell Trust |
| Common Stock | 12/11/2008 | P | 200 | A | \$ 0.665 | 74,026 | I | By The Daniel J. Mitchell Trust |
| Common Stock | 12/11/2008 | P | 3,100 | A | \$ 0.67 | 77,126 | I | By The Daniel J. Mitchell Trust |
| Common Stock | 12/11/2008 | P | 400 | A | \$ 0.675 | 77,526 | I | By The Daniel J. Mitchell Trust |
| Common Stock | 12/11/2008 | P | 1,100 | A | \$ 0.68 | 78,626 | I | By The Daniel J. Mitchell Trust |
| Common Stock | | | | | | 1,412,065 | I | By Sequel Limited Partnership III |
| Common Stock | | | | | | 39,240 | I | By Sequel Entrepreneurs' Fund III, L.P. |

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 required to respond unless the form displays a currently valid OMB control number.

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

| 1. Title of | 2. | 3. Transaction Date | 3A. Deemed | 4. | 5. | 6. Date Exerc | cisable and | 7. Title and | 8. Price of |
|-------------|-------------|---------------------|---|-------------------|------------|-----------------|-------------|----------------|-------------|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | TransactionNumber | | Expiration Date | | Amount of | Derivative |
| Security | or Exercise | | any | Code | of | (Month/Day/ | Year) | Underlying | Security |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivative | e | Í | Securities | (Instr. 5) |
| (, | Derivative | | (, , , , , , , , , , , , , , , , , , , | (, | Securities | | | (Instr. 3 and | ` ' |
| | Security | | | | Acquired | | | (IIIsti o uiic |) |
| | Security | | | | (A) or | | | | |
| | | | | | Disposed | | | | |
| | | | | | * | | | | |
| | | | | | of (D) | | | | |
| | | | | | (Instr. 3, | | | | |
| | | | | | 4, and 5) | | | | |
| | | | | Code V | (A) (D) | Date | Expiration | Title Amo | nint |
| | | | | Code v | (11) (D) | Exercisable | Date | or | , diff |
| | | | | | | Excicisable | Date | Num | hor |
| | | | | | | | | INUIII | 1001 |

9. Nu Deriv Secu Bene Own Follo Repo Trans (Insti

(9-02)

of Shares

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

MITCHELL DANIEL J SEQUEL VENTURE PARTNERS, L.L.C. 4430 ARAPAHOE AVENUE, SUITE 220 BOULDER, CO 80303

X

Signatures

/s/ Laura M. Medina, Attorney-in-Fact

12/12/2008

**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 Reporting Person is a manager of Sequel Venture Partners III, L.L.C., the general partner of Sequel Limited Partnership III ("SLP III") and Sequel Entrepreneurs' Fund III, L.P. ("SEF III"). As such, the Reporting Person shares voting and investment power over the shares held by SLP III and SEF III and may be deemed to have indirect beneficial ownership of such shares. The Reporting Person disclaims beneficial ownership of such shares held by SLP III and SEF III except to his proportionate pecuniary interest therein.

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.

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