FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

| OMB APPROVAL        |           |  |  |  |  |  |  |  |  |
|---------------------|-----------|--|--|--|--|--|--|--|--|
| OMB Number:         | 3235-0287 |  |  |  |  |  |  |  |  |
| Estimated average I | burden    |  |  |  |  |  |  |  |  |

0.5

hours per response:

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| Name and Address of Reporting Person*     Dwyer Robert J   |   |  |                   | BI     | 2. Issuer Name and Ticker or Trading Symbol BIMINI CAPITAL MANAGEMENT, INC.  [ BMNM ] |  |   |                                |                             |        |  |       |                      |                                     | all app  |   |   | Owner   |  |
|--|---|--|-------------------|--------|---|--|---|--------------------------------|-----------------------------|--------|--|-------|----------------------|-------------------------------------|--|---|---|---|--|
| (Last) (First) (Middle) C/O BIMINI CAPITAL MANAGEMENT, INC. 3305 FLAMINGO DRIVE  |   |  |                   |        | 3. Date of Earliest Transaction (Month/Day/Year) 02/15/2008                           |  |   |                                |                             |        |  |       |                      |                                     | Offic<br>belov   | er (give title<br>w)  | Oth<br>belo   | er (specify<br>w)   |  |
| (Street) VERO B (City)   | EACH FI   |  | 32963<br>Zip)     |        | 4. If   | 4. If Amendment, Date of Original Filed (Month/Day/Year) |   |                                |                             |        |  |       | . Indiv<br>ine)<br>X | Forn<br>Forn                        | dual or Joint/Group Filing (Check Applicable 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. Transac Date (Month/Date)  |   |  |                   |        | execution<br>if any<br>(Month/Da  |  | A. Deemed<br>kecution Date,<br>any<br>lonth/Day/Year) |                                | Transaction Code (Instr. 8) |        | ities Acquired (A)<br>d Of (D) (Instr. 3,      |       |                      | 4 and Secur<br>Bene<br>Owne<br>Repo |  | cially<br>I Following   | 6. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I) (Instr. 4) | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |  |
|  |   |  |                   |        |   |  |   | Code                           | \ <u>\</u>                  | Amount | (1   | D)    | Price                |                                     | (Instr.  | 3 and 4)  |   |   |  |
| Class A Common Stock 02/15/  |   |  |                   | 5/2008 | 3   |  |   | A                              |                             | 61,22  | 5  | A   S |                      | 0 111,225                           |  | D   |   |   |  |
| Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) |   |  |                   |        |   |  |   |                                |                             |        |  |       |                      |                                     |  |   |   |   |  |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)  | rivative Conversion Date Execution Date, curity or Exercise (Month/Day/Year) if any |  | Date,<br>ay/Year) |        | ransaction of Deriva Secur Acqui (A) or Dispo of (D) (Instr. and 5)                   |  | rative<br>rities<br>ired<br>r<br>osed<br>)            | 6. Date<br>Expirati<br>(Month/ | on Dai                      |        | Amor<br>Secu<br>Unde<br>Deriv<br>Secu<br>and 4 |       | ount                 |                                     |  | 9. Number of<br>derivative<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction<br>(Instr. 4) | Ownershi<br>Form:<br>Direct (D)<br>or Indirec<br>(I) (Instr.      | Beneficial<br>Ownership<br>(Instr. 4)                             |  |

**Explanation of Responses:** 

J. Christopher Clifton, Attorney-In-Fact

02/19/2008

\*\* Signature of Reporting Person

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

- \* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.