

Act (17 CFR 240.13e-4(c))

ITEM 2.02. RESULTS OF OPERATIONS AND FINANCIAL CONDITION.

On October 29, 2010, Bimini Capital Management, Inc., (the “Company”) issued the press release attached hereto as Exhibit 99.1 announcing the Company’s consolidated results of operations for the period ended September 30, 2010. The information furnished under this “Item 2.02 Results of Operations and Financial Condition,” including the exhibit related hereto, shall not be deemed “filed” for purposes of Section 18 of the Securities Exchange Act of 1934, nor shall it be deemed incorporated by reference in any disclosure document of the Company, except as shall be expressly set forth by specific reference in such document.

ITEM 9.01. EXHIBITS.

(d) Exhibits

Exhibit 99.1 Press Release of Bimini Capital Management, Inc. dated October 29, 2010.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: October 29, 2010

BIMINI CAPITAL
MANAGEMENT, INC.

By: /s/ Robert E. Cauley
 Robert E. Cauley
 Chairman and Chief
 Executive Officer