UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, DC 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of

the Securities Exchange Act of 1934

November 20, 2006

Date of Report (date of earliest event reported)

HEMOSENSE, INC.

(Exact name of Registrant as specified in its charter)

Delaware (State or other jurisdiction of

incorporation or organization)

001-32541 (Commission File Number) 77-0452938 (I.R.S. Employer

Identification Number)

651 River Oaks Parkway

San Jose, California 95134

(Address of principal executive offices)

(408) 719-1393

(Registrant s telephone number, including area code)

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(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- " Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- " Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- " Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- " Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 2.02. Results of Operations and Financial Condition.

On November 20, 2006, we are issuing a press release and holding a conference call regarding our financial results for the fourth quarter of fiscal year 2006 ended September 30, 2006. A copy of the press release is furnished as Exhibit 99.1 to this Form 8-K.

This information shall not be deemed filed for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the Exchange Act), or incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as shall be expressly set forth by specific reference in such a filing.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits.

Exhibit No.Description99.1PressRelease of HemoSense, Inc. dated as of November 20, 2006.

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, thereunto duly authorized.

HEMOSENSE, INC.

Date: November 20, 2006

By: /s/ James D. Merselis James D. Merselis President and Chief Executive Officer