

Item 2.02. Results of Operations and Financial Conditions

On October 8, 2007, the Company issued a press release announcing an increase to its capital spending program and an operations update for the quarter ended September 30, 2007. A copy of the press release is attached as Exhibit 99.1 to this Current Report on Form 8-K.

The press release is furnished as Exhibit 99.1 to this Current Report. Exhibit 99.1 shall not be deemed to be "filed" for the purposes of Section 18 of the Securities Exchange Act of 1934, as amended, and will not be incorporated by reference into any registration statement filed under the Securities Act of 1933, as amended, unless specifically identified therein as being incorporated therein by reference.

Item 9.01. Financial Statements and Exhibits

(a) Financial statements:

None

(b) Pro forma financial information:

None

(c) Shell company transactions:

None

(d) Exhibits

99.1 Press Release of Rosetta Resources Inc. dated October 8, 2007.

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.

Dated: October 9, 2007

ROSETTA RESOURCES INC.

By: */s/ Michael J. Rosinski*
Michael J. Rosinski
Executive Vice President and Chief
Financial Officer

Exhibit Index

| Exhibit No. | Description |
|--------------------|--|
| 99.1 | Press Release of Rosetta Resources Inc. dated October 8, 2007. |