ION GEOPHYSICAL CORP Form 8-K January 09, 2009

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 FORM 8-K CURRENT REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

Date of Report: (Date of earliest event reported): January 8, 2009

ION Geophysical Corporation

(Exact name of registrant as specified in its charter)

Delaware 1-12691 22-2286646

(State or other jurisdiction of incorporation)

(Commission file number)

(I.R.S. Employer Identification No.)

2105 CityWest Blvd, Suite 400 Houston, Texas 77042-2839

(Address of principal executive offices, including Zip Code)

(281) 933-3339

(Registrant s telephone number, including area code)

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:

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

Item 7.01. Regulation FD Disclosure.

On January 8, 2009, ION Geophysical Corporation (the Company) issued a press release regarding the Company s view of its estimated results of operations for the quarter ended December 31, 2008. A copy of the press release is furnished as Exhibit 99.1 hereto.

The information contained in Item 7.01 and Exhibit 99.1 of this report (i) is not to be considered filed under the Securities Exchange Act of 1934, as amended (the Exchange Act) and (ii) shall not be incorporated by reference into any previous or future filings made by or to be made by the Company with the Securities and Exchange Commission under the Securities Act of 1933, as amended, or the Exchange Act.

Item 9.01 Financial Statements and Exhibits.

(a) Financial statements of businesses acquired.

Not applicable.

(b) Pro forma financial information.

Not applicable.

(c) Shell company transactions.

Not applicable.

(d) Exhibits.

Exhibit Number Description

99.1 Press Release of ION Geophysical Corporation dated January 8, 2009.

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: January 9, 2009 ION GEOPHYSICAL CORPORATION

By: /s/ DAVID L. ROLAND

David L. Roland

Senior Vice President, General Counsel

and

Corporate Secretary

3

EXHIBIT INDEX

Exhibit Number Description

99.1 Press Release of ION Geophysical Corporation dated January 8, 2009.

4