

ION GEOPHYSICAL CORP  
Form 8-K  
February 17, 2010

**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): February 17, 2010  
ION Geophysical Corporation  
(Exact name of registrant as specified in its charter)**

**Delaware**  
(State or other jurisdiction of  
incorporation)

**1-12691**  
(Commission file number)

**22-2286646**  
(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:

- 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))
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**Item 2.02. Results of Operations and Financial Condition**

On February 17, 2010, ION Geophysical Corporation (the Company) issued a press release containing information regarding the Company's results of operations for the quarter and year ended December 31, 2009. A copy of the press release is furnished as Exhibit 99.1 hereto.

The information contained in Item 2.02 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 (SEC) under the Securities Act of 1933, as amended, or the Exchange Act.

The information contained in this report and the attached exhibit contains certain forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. These forward-looking statements include statements concerning future sales and market growth, future cash needs and future sources of cash, including availability under our revolving line of credit facility, future compliance with our debt financial covenants, benefits expected to result from the BGP transactions and other statements that are not of historical fact. Actual results may vary materially from those described in these forward-looking statements. All forward-looking statements reflect numerous assumptions and involve a number of risks and uncertainties. These risks and uncertainties include risks of audit adjustments and other modifications to the Company's financial statements not currently foreseen; risks associated with the timing and development of the Company's products and services and market acceptance of the Company's new and revised product offerings; risks associated with the economic downturn and the volatile credit environment; risks associated with required regulatory approvals for and completion of the BGP transactions; risks associated with the Company's level of indebtedness, including compliance with debt covenants; risks associated with competitors' product offerings and pricing pressures resulting therefrom; risks that sources of capital may not prove adequate; risks related to collection of receivables; and risks related to technological and marketplace changes affecting the Company's product line. Additional risk factors, which could affect actual results, are disclosed by the Company from time to time in its filings with the Securities and Exchange Commission, including its Annual Report on Form 10-K for the year ended December 31, 2008, its Quarterly Reports on Form 10-Q filed during 2009 and its Annual Report on Form 10-K for the year ended December 31, 2009.

**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.*

| <i>Exhibit Number</i> | <i>Description</i>                     |
|-----------------------|----------------------------------------|
| 99.1                  | Press Release dated February 17, 2010. |

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**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: February 17, 2010

ION GEOPHYSICAL CORPORATION

By: /s/ R. BRIAN HANSON

R. Brian Hanson

Executive Vice President and Chief Financial  
Officer

**EXHIBIT INDEX**

| <i>Exhibit Number</i> | <i>Description</i>                     |
|-----------------------|----------------------------------------|
| 99.1                  | Press Release dated February 17, 2010. |

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