

Item 2.02. Results of Operations and Financial Condition

On August 4, 2016, ION Geophysical Corporation (the “Company”) issued a press release containing information regarding the Company’s results of operations for the quarter ended June 30, 2016. A copy of the press release is furnished as Exhibit 99.1 hereto.

ION Geophysical Corporation (the “Company”), will be presenting new financial reporting segments in the third quarter ending 2016. The following segment disclosures for the 2nd Quarter of 2016 and 2015 are provided for illustrative purposes only. They present the Company’s performance under the Company’s new financial reporting segments, which will not be implemented until the 3rd Quarter of 2016. These 2nd Quarter segment disclosures are based on information available to management as of today and are subject to change. The Company’s management will finalize the realignment of its business segments, including the recasting 2015 segment results, in the 3rd Quarter of 2016. The slide presentation is furnished as Exhibit 99.3 hereto.

Item 7.01. Regulation FD Disclosure

In conjunction with the above press release, the Company has scheduled a conference call, which will be broadcast live over the Internet, for Thursday, August 4, at 10:00 a.m. Eastern Time (9:00 a.m. Central). The information for accessing the conference call is included in the press release. The webcast of the conference call will be accompanied by a slide presentation, a copy of which is furnished as Exhibit 99.2 hereto.

The information contained in Items 2.02, and 7.01 and the exhibits 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 (the “Securities Act”), or the Exchange Act.

The information contained in this report and the attached exhibits contains certain forward-looking statements within the meaning of Section 27A of the Securities Act and Section 21E of the Exchange Act. These forward-looking statements may include statements concerning future sales, earnings, revenues and market growth, timing of sales, future liquidity and cash levels and future cash needs and sources of cash, including availability under our revolving line of credit facility, expected outcomes of litigation, future compliance with our debt financial covenants, sales expected to result from backlogs and pipelines, benefits expected to result from OceanGeo and the INOVA Geophysical joint venture and related transactions, estimates regarding future commodity prices, future investments 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 associated with pending and future litigation, including the risk that an unfavorable outcome in the lawsuit brought by WesternGeco could have a materially adverse effect on our financial results and liquidity; audit adjustments and other modifications to the Company's financial statements not currently foreseen; the timing and development of the Company's products and services and market acceptance of the Company's new and revised product offerings; economic downturns and volatile credit environments; international political and economic events and turmoil; the operation, prospects and performance of OceanGeo and the INOVA Geophysical joint venture; the Company's level and terms of indebtedness, including compliance with debt covenants; competitors' product offerings and pricing pressures resulting therefrom; risks that sources of capital may not prove adequate; collection of receivables; and 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 SEC, including its Annual Reports on Form 10-K and its Quarterly Reports on Form 10-Q.

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 dated August 4, 2016.
99.2	August 4, 2016 Conference Call Presentation Slides.
99.3	New Financial Reporting Segment Presentation Slides (Illustrative Only). Conference Call Presentation Slides.

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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: August 4, 2016

ION GEOPHYSICAL CORPORATION

By: /s/ Jamey S. Seely

Jamey S. Seely

Executive Vice President, General Counsel and Corporate Secretary

EXHIBIT INDEX

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