

Item 7.01. Regulation FD Disclosure

Scott Schwausch, Vice President and Corporate Controller of ION Geophysical Corporation (the “Company”), will be presenting at approximately 10:30 a.m. Central Time on April 22, 2016, at the Burkenroad Reports Investment Conference to be held in New Orleans, Louisiana, on April 22, 2016.

A copy of the presentation slides from the presentation will be available in the “Investor Relations” section of the Company’s website at www.iongeo.com on the day of the presentation and will be archived there for approximately 90 days. The information contained in Item 7.01 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 (the “SEC”) under the Securities Act of 1933, as amended (the “Securities Act”), or the Exchange Act.

The presentation referenced in this report and any oral or written statements made in connection with the presentation may contain 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 estimated revenues, gross margins, sales and operating expenses, market growth, outcome of litigation, timing of product introduction and commercialization, sales expected to result from backlog, future liquidity and cash levels, benefits expected to result from OceanGeo, and other statements that are not statements of historical fact. Actual results may vary materially from those described in the forward-looking statements. All forward-looking statements will 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 risks associated with the lawsuit brought by WesternGeco; the timing and development of products and services and market acceptance of new and revised product offerings; economic downturns and volatile credit environments; the operation of OceanGeo; level and terms of indebtedness and compliance with debt covenants; audit adjustments and other modifications to financial statements not currently foreseen; 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 product lines. 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 Report on Form 10-K filed with the SEC for fiscal year 2015, and its Quarterly Reports on Form 10-Q filed during 2015 and 2016.

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: April 22, 2016 ION GEOPHYSICAL CORPORATION

By: /s/ Jamey S. Seely

Jamey S. Seely

Executive Vice President, General Counsel and Corporate Secretary