
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): December 2, 2010

DAWSON GEOPHYSICAL COMPANY

(Exact name of Registrant as specified in its charter)

TEXAS
(State of incorporation
or organization)

001-34404
(Commission file number)

75-0970548
(I.R.S. employer identification number)

508 W. WALL, SUITE 800
MIDLAND, TEXAS
(Address of principal executive offices)

79701
(Zip code)

(Registrant's telephone number, including area code: (432) 684-3000)

(Former name or former address, if changed since last report)

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 (see General Instruction A.2. below):

- 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 7.01 Regulation FD Disclosure.

On December 2, 2010, Dawson Geophysical Company (the “Registrant”) issued a press release announcing that it had placed an order for 10,000 single-channel OYO GSR units from OYO Geospace. Delivery of this order is expected to begin in December and be completed by the end of January 2011. This purchase is in addition to the 2,000 four channel GSR units complete with three component geophones delivered in the first quarter of fiscal 2011.

The Registrant announced that its Board of Directors approved a \$35,000,000 capital budget for fiscal 2011 to be used, in part, to purchase the GSR units and, as previously announced, 10 new AHV-IV PLS364 vibrator energy source units from INOVA Geophysical Equipment Limited. The remainder of the capital budget is expected to be used to meet necessary capital maintenance requirements during fiscal 2011.

The press release announcing the purchase is furnished as Exhibit 99.1 to this Current Report. Pursuant to the rules and regulations of the Securities and Exchange Commission, such exhibit and the information set forth therein and herein are deemed to be furnished and shall not be deemed to be “filed” under the Securities Act of 1934.

Item 9.01. Financial Statements and Exhibits.**(d) Exhibits.**

In accordance with General Instruction B.2 of Form 8-K, the information set forth in the attached Exhibit 99.1 is deemed to be “furnished” and shall not be deemed to be “filed” for purposes of Section 18 of the Exchange Act.

<u>EXHIBIT NUMBER</u>	<u>DESCRIPTION</u>
99.1	— Press release dated December 2, 2010.

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.

DAWSON GEOPHYSICAL COMPANY

Date: December 2, 2010

By: /s/ Christina W. Hagan

Christina W. Hagan
Executive Vice President, Secretary and
Chief Financial Officer

INDEX TO EXHIBITS

<u>EXHIBIT NUMBER</u>	<u>DESCRIPTION</u>
99.1	— Press release dated December 2, 2010.

**NEWS RELEASE**

Dawson Geophysical Company
508 W. Wall, Suite 800
Midland, TX 79701

Company contact:

Christina W. Hagan
Chief Financial Officer
(800) 332-9766
www.dawson3d.com

Dawson Geophysical to Purchase Additional OYO GSR Recording Equipment

MIDLAND, Texas, December 2, 2010/PRNewswire/—Dawson Geophysical Company (NASDAQ: DWSN — News) (the “Company”), today announced that it has placed an order with OYO Geospace for 10,000 single-channel OYO GSR units. The units will be delivered beginning in December with delivery to be completed by the end of January 2011. The 10,000 GSR channels are expected to be deployed on an approximately 600 square mile 3-D survey in the Haynesville Shale area of East Texas beginning in late December 2010. The survey is expected to be completed by the end of fiscal 2011 or early fiscal 2012.

This purchase is in addition to the 2,000 four-channel GSR units complete with three-component geophones delivered in the first quarter of fiscal 2011. With the first quarter purchase, the Company currently owns 4,000 four-channel GSR units which equates to 12,000 multi-component channels of recording capacity or 16,000 channels of conventional recording capacity. Upon delivery of the new 10,000 single-channel units, the Company will own a total of 26,000 GSR recording channels. The Company intends to use the GSR equipment to provide added channel count and operational flexibility with its existing ARAM Aries cable-recording systems or as stand-alone systems, either on existing crews in place of the ARAM Aries systems or as an additional crew.

Stephen Jumper, President and Chief Executive Officer said, “The addition of the OYO GSR channels over the last year has put us in a leading technical and operational position in the lower 48 United States with our ability to deploy a large cable-less crew. In addition, it allows us to meet the increased channel count demands on all of our existing crews and increase our operational flexibility company-wide. ”

In order to accommodate the most recent purchase, the Company’s Board of Directors has increased the fiscal 2011 capital budget to \$35,000,000 to be used, in part, to purchase the additional GSR units and, as previously announced, ten new INOVA vibrator energy source units. The balance will be used to meet maintenance capital requirements, make technical improvements in the Company’s operations and increase channel count.