
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): October 6, 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 October 6, 2010, Dawson Geophysical Company (the “Registrant”) announced its \$6.1 million order to purchase 8,000 GSR channels and related equipment from OYO Geospace. Delivery of this order is expected to occur in the Registrant’s first quarter ending December 31, 2010. Upon completion and delivery of the order, the Registrant will own 16,000 GSR channels of the OYO Geospace system.

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 October 6, 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: October 6, 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 October 6, 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, October 6, 2010/PRNewswire/—Dawson Geophysical Company (NASDAQ: DWSN — News) (the “Company”), announced today that it has placed an order for 2,000 OYO GSR four channel boxes complete with three component geophones from OYO Geospace. The Company expects to take delivery of the OYO equipment during the Company’s first fiscal quarter of 2011 which ends December 31, 2010. The purchase price for the OYO equipment is \$6.1 million.

The addition of the new OYO GSR recording equipment will allow the Company to record 12,000 channels of multi-component data or up to 16,000 channels of conventional seismic data, either as a stand alone system or as added channel count and increased flexibility for the Company’s existing ARAM recording systems.

The Company’s board of directors has approved a \$30,000,000 capital budget for fiscal 2011 to be used, in part, to purchase the GSR Channels and 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.

About Dawson Geophysical Company

Dawson Geophysical Company is the leading provider of U.S. onshore seismic data acquisition services as measured by the number of active data acquisition crews. Founded in 1952, Dawson acquires and processes 2-D, 3-D, and multi-component seismic data solely for its clients, ranging from major oil and gas companies to independent oil and gas operators as well as providers of multi-client data libraries.

Forward-Looking Statements

In accordance with the Safe Harbor provisions of the Private Securities Litigation Reform Act of 1995, Dawson Geophysical Company cautions that statements in this press release which are forward-looking and which provide other than historical information involve risks and uncertainties that may materially affect the Company’s actual results of operations. These risks include, but are not limited to, the volatility of oil and natural gas prices, disruptions in the global economy, dependence upon energy industry spending, delays, reductions or cancellations of service contracts, high fixed costs of operations, weather interruptions, inability to obtain land access rights of way, industry competition, limited number of customers, credit risk related to our customers, asset impairments, the availability of capital resources and operational disruptions. A discussion of these and other factors, including risks and uncertainties, is set forth in the Company’s Form 10-K for the fiscal year ended September 30, 2009. Dawson Geophysical Company disclaims any intention or obligation to revise any forward-looking statements, whether as a result of new information, future events or otherwise.