
**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): August 18, 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 West Wall, Suite 800
Midland, Texas 79701**
(Address of principal executive offices)

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

(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 August 18, 2010, Dawson Geophysical Company (the “Registrant”) announced that Stephen Jumper, its President and Chief Executive Officer, is scheduled to present at The Oil & Gas Conference hosted by EnerCom, Inc. on Monday, August 23, in Denver, beginning at 9:15 a.m., Mountain Time. The presentation will be webcast live on the Registrant’s web site and may be accessed at www.dawson3d.com by clicking on the Investor Relations link. Replay of the webcast will be available on the Registrant’s web site for 30 days following the event. A copy of the presentation materials may be accessed at www.dawson3d.com by clicking on the Investor Relations link or by contacting the Registrant’s executive offices at 1-800-332-9766. The information contained on the Registrant’s web site is not incorporated by reference herein.

The press release announcing the presentation 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 August 18, 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: August 18, 2010

By: /s/ Christina W. Hagan

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

INDEX TO EXHIBITS

EXHIBIT
NUMBER

DESCRIPTION

99.1

— Press release dated August 18, 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 Present at EnerCom's 2010 Oil & Gas Conference

MIDLAND, Texas, August 18, 2010/PRNewswire-FirstCall/—Stephen Jumper, President and Chief Executive Officer of Dawson Geophysical Company (NASDAQ: DWSN — News) (the “Company”), is scheduled to present at The Oil & Gas Conference hosted by EnerCom, Inc. on Monday, August 23, in Denver, beginning at 9:15 a.m. Mountain Time. A live webcast of Mr. Jumper’s presentation can be accessed at <http://www.dawson3d.com> and will be archived on the Company’s web site for 30 days. The live presentation will also be available and archived for 30 days at <http://www.investorcalendar.com/CEPage.asp?ID=161138>. A copy of the presentation materials may be accessed at www.dawson3d.com by clicking on the Investor Relations link or by contacting the Company’s executive offices at 1-800-332-9766.

During his presentation, Mr. Jumper will make references to EBITDA, which is a non-GAAP financial measure. A reconciliation of this non-GAAP measure to the applicable GAAP measure can be found in the Company’s earnings release for the quarter ended June 30, 2010, the third quarter of the Company’s 2010 fiscal year, furnished as Exhibit 99.1 to the Company’s Current Report on Form 8-K filed on August 6, 2010, which is available on the Company’s web site.

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, 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.