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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): January 29, 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 January 29, 2010, Dawson Geophysical Company (the “Company”) issued a press release announcing that it plans to publicly release its financial results for the quarter ended December 31, 2009, the Company’s first quarter of fiscal 2010, before the market opens on Wednesday, February 3, 2010. In addition, the Company announced that an investors’ conference call to review the first quarter results will be held on Wednesday, February 3, 2010, at 9 a.m. Central Time.

A copy of the press release is furnished as an exhibit to this Current Report. In accordance with General Instruction B.2 of Form 8-K, the information set forth herein and in the press release is deemed to be “furnished” and shall not be deemed to be “filed” for purposes of the Securities Exchange Act of 1934, as amended (the “Exchange Act”).

**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 January 29, 2010.

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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.

DAWSON GEOPHYSICAL COMPANY

Date: January 29, 2010

By: /s/ Christina W. Hagan  
Christina W. Hagan  
Executive Vice President, Secretary and  
Chief Financial Officer

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## INDEX TO EXHIBITS

<u>EXHIBIT NUMBER</u>	<u>DESCRIPTION</u>
99.1	— Press release dated January 29, 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](http://www.dawson3d.com)

**Dawson Geophysical to Issue First Quarter 2010 Results and  
Hold Investor Conference Call**

MIDLAND, Texas, January 29, 2010/PRNewswire-FirstCall/ — Dawson Geophysical Company (Nasdaq: DWSN — News) announced today that it plans to publicly release financial results for its quarter ended December 31, 2009, the Company's first quarter of fiscal 2010, before the market opens on Wednesday, February 3, 2010. An investor conference call to review the first quarter results will be held on Wednesday, February 3, 2010, at 9:00 a.m. Central Time.

Date: Wednesday, February 3, 2010

Time: 10:00 AM EST  
9:00 AM CST  
8:00 AM MST  
7:00 AM PST

Call: (866) 322-9730 (US/Canada) and (706) 679-6054 (International) Passcode 53695903

Internet: Live and rebroadcast over the internet, log onto <http://www.dawson3d.com>

Replay: Available through Friday, February 5, 2010, at (800) 642-1687 (US/Canada) and (706) 645-9291 (International), Passcode 53695903, and available for 30 days on the Company's web site at <http://www.dawson3d.com>

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

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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.

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, assets 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.

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Source: Dawson Geophysical Company