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): September 4, 2007

GEOMET, INC.

(Exact name of Registrant as specified in its charter)

Delaware (State or other jurisdiction of 000-52155 Commission File Number 76-0662382 (I.R.S. Employer

Identification No.)

incorporation or organization)

909 Fannin, Suite 1850

Houston, Texas 77010

(Address of Registrant s Principal Executive Offices)

(713) 659-3855

(Registrant s telephone number, including area code)

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:

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- " 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))

Item 5.02 Departure of Directors or Principal Officers; Election of Directors; Appointment of Principal Officers.

On September 4, 2007, GeoMet, Inc. issued a press release announcing that it had promoted Frank C. Turner II to Vice President, Chief Accounting Officer and Controller, effective September 1, 2007. A copy of the full press release is attached as Exhibit 99.1 and is incorporated herein by reference.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits. The following exhibit is furnished as part of this Current Report on Form 8-K:

Exhibit No. Description

99.1 Press release dated September 4, 2007.

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the Company has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

GeoMet, Inc.

Date: September 4, 2007

By: /s/ William C. Rankin William C. Rankin Executive Vice President, Chief Financial Officer and Secretary

INDEX TO EXHIBITS

Exhibit No.Description99.1Press release dated September 4, 2007