

Sere J Darby  
 Form 5  
 February 09, 2007

**FORM 5**

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549**

OMB APPROVAL  
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).  
 Form 3 Holdings Reported Form 4 Transactions Reported

**ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person \*  
 Sere J Darby

(Last) (First) (Middle)

909 FANNIN STREET, SUITE 1850

(Street)

HOUSTON, TX 77010

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
 GeoMet, Inc. [GMET]

3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)  
 12/31/2006

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
 President and CEO

6. Individual or Joint/Group Reporting

(check applicable line)

Form Filed by One Reporting Person  
 Form Filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|--|--|---|
|                                 |                                      |  |                                | (A) or (D) Price  |  |  |   |
| Common Stock                    | 12/22/2006                           | ^  | G                              | 119,436 (1) D \$ 0  | 452,836 (2) D  | ^  |   |
| Common Stock                    | 12/22/2006                           | ^  | G                              | 102,736 (3) A \$ 0  | 102,736 (3) I  |  | By charitable family foundation                       |
| Common Stock                    | ^                                    | ^  | ^                              | ^ ^ ^   | 391,891 (4) I  |  | By investment   |

Common Stock                            641 <sup>(5)</sup>    I    limited partnership  
By controlled corporation

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 2270 (9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. of D B O E I S F I (I |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|--------------------------|
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|--------------------------|

## Reporting Owners

| Reporting Owner Name / Address                                       | Relationships                       |                          |                          |                   |
|--|-------------------------------------|--------------------------|--------------------------|-------------------|
|  | Director                            | 10% Owner                | Officer                  | Other             |
| Sere J Darby<br>909 FANNIN STREET<br>SUITE 1850<br>HOUSTON, TX 77010 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | President and CEO |

## Signatures

J. Darby Sere'                      02/09/2007  
 \*\*Signature of                      Date  
 Reporting Person

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Represents 102,736 shares donated by the reporting person to a charitable family foundation, of which the reporting person shares dispositive power and voting control, and 16,700 shares donated by the reporting person to unaffiliated charitable organizations.
- (2) Includes 63,468 shares that were previously reported as being indirectly beneficially owned by an investment limited partnership that were distributed by the investment limited partnership to the reporting person on 11/28/06 and includes 4,614 restricted shares that vest upon

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the achievement of certain performance targets by GeoMet, Inc.

- (3) These shares were previously reported as directly beneficially owned by the reporting person but were donated by the reporting person on 12/22/06 to a charitable family foundation, of which the reporting person shares dispositive power and voting control.
- (4) Represents 456,000 shares that were previously reported as indirectly beneficially owned by an investment limited partnership, less 64,109 shares that were distributed by the investment limited partnership to its partners on 11/28/06.
- (5) These shares were previously reported as indirectly beneficially owned by an investment limited partnership but were distributed to the controlled corporation on 11/28/06.

Note: File three copies of this Form, one of which must be manually signed. If space provided is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.