

Sere J Darby  
 Form 5  
 February 10, 2009

**FORM 5**

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

OMB APPROVAL  
 OMB Number: 3235-0362  
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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)  
 12/31/2008

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	12/05/2008	^	G	375,000 (1) D \$ 0	274,279 (2) D	D	^
Common Stock	12/05/2008	^	G	187,500 (3) A \$ 0	187,500 I	I	By GRAT
Common Stock	12/05/2008	^	G	187,500 (3) A \$ 0	187,500 I	I	By Spouse's GRAT
Common Stock	^	^	^	^ ^ ^	256,231 I	I	By Limited Partnership

Common Stock	^	^	^	^	^	^	97,236	I	By Charitable Family Foundation
Common Stock	^	^	^	^	^	^	1,997	I	By Controlled Corporation

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

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**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 Se B O E Is Fi (I
					(A) (D)	Date Exercisable Expiration Date	Title or Number of Shares		

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Sere J Darby 909 FANNIN STREET SUITE 1850 HOUSTON, TX 77010	^ X	^	^ President and CEO	^

## Signatures

/s/ J. Darby Sere                      02/10/2009  
 \*\*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) On December 5, 2008, 375,000 shares of common stock were contributed by the reporting person and his spouse into individual grantor retained annuity trusts ("GRAT"), for which the reporting person and his spouse serve as trustees. The individual GRAT accounts each

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hold 187,500 shares of common stock.

- (2) Includes 58,943 shares of common stock that were previously reported as indirectly owned by the reporting person but are now held by the reporting person and his spouse as joint tenants and 62,685 restricted shares of common stock.

These shares were previously reported as directly owned by the reporting person but were contributed into individual GRAT accounts on

- (3) December 5, 2008, for which the reporting person and his spouse serve as trustees. The individual GRAT accounts each hold 187,500 shares of common stock.

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.