

Sere J Darby  
 Form 4  
 October 17, 2011

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 0.5

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

**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

(Print or Type Responses)

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

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
 909 FANNIN, SUITE 1850

3. Date of Earliest Transaction (Month/Day/Year)  
 10/14/2011

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

(Street)  
 HOUSTON, TX 77010

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

(City) (State) (Zip)

**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 Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V Amount (A) or (D) Price			
Common Stock	10/14/2011		M	36,378 A \$ 0.72	589,799	D	
Common Stock					1,900	I	By Spouse <sup>(1)</sup>
Common Stock					256,231	I	By Limited Partnership <sup>(1)</sup>
Common Stock					97,236	I	By Charitable Family Foundation

Common Stock	1,997	I	(1) By Controlled Corporation (1)
Common Stock	119,557	I	By GRAT (1)
Common Stock	119,557	I	By Spouse's GRAT (1)

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

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SEC 1474  
(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)	Amount or Number of Shares	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Options (Right to Buy)	\$ 0.72	10/14/2011		M	36,378	03/23/2010 <sup>(2)</sup> 03/22/2016	Common Stock	36,378	

## Reporting Owners

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

## Signatures

/s/ J. Darby Sere                      10/17/2011  
 \*\*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) The reporting person disclaims beneficial ownership of these securities except to the extent of his pecuniary interest therein.

70% of the options are incentive stock options that become exercisable in three installments. The first two installments of 36,378 shares of common stock each became exercisable on March 23, 2010 and March 23, 2011, respectively. The third installment will become exercisable on March 23, 2012. 30% of the options are non-qualified stock options that vest upon achievement of certain performance targets by the registrant.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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