Mason Michael Thomas Form 4 January 13, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

See Instruction

Check this box

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(b).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person *

(First)

Mason Michael Thomas

2. Issuer Name and Ticker or Trading

Symbol

GEOVIC MINING CORP.

[TSX-GMC]

3. Date of Earliest Transaction

(Month/Day/Year)

142 STRATFORD AVE 01/11/2010

(Middle)

(Street) 4. If Amendment, Date Original

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

X_ Director 10% Owner Officer (give title Other (specify below)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

GARDEN CITY, NY 11530

(City) (State) (Zip)

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

2. Transaction Date 2A. Deemed 1.Title of Security (Month/Day/Year) (Instr. 3)

Execution Date, if (Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5) 5. Amount of Securities Beneficially Owned Following Reported

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (I) (Instr. 4) (Instr. 4)

Transaction(s) (Instr. 3 and 4)

or Code V Amount (D) Price

(A)

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

1. Title of 3. Transaction Date 3A. Deemed Derivative (Month/Day/Year) Execution Date, if Conversion Security or Exercise any

5. Number of TransactionDerivative Securities Code

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amount Underlying Securiti (Instr. 3 and 4)

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| (Instr. 3) | Price of Derivative Security | | (Month/Day/Year) | (Instr. 8) | Acquired (A Disposed of (Instr. 3, 4, 5) | d of (D) | | | | |
|---------------------------------|------------------------------------|------------|------------------|------------|--|----------|------------------|--------------------|-----------------|------------------------|
| | | | | Code V | 7 (A) | (D) | Date Exercisable | Expiration Date | Title | Amou Numb Shares |
| Option to purchase common stock | <u>(1)</u> | 01/11/2010 | 01/11/2010 | A | 100,000 | | 01/11/2010(2) | 01/11/2020 | Common Stock | 100, |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | | |
|---|---------------|-----------|---------|-------|--|--|--|
| reporting owner name / name of | Director | 10% Owner | Officer | Other | | | |
| Mason Michael Thomas 142 STRATFORD AVE | X | | | | | | |
| GARDEN CITY, NY 11530 | | | | | | | |

Signatures

/s/ Shelia I. Short, Attorney-in-fact for Michael 01/13/2010 Mason

**Signature of Reporting Person Date

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) Exercise price is Cdn\$0.90.
- (2) 40% of the options are exercisable on date of grant, 30% are exercisable on each of first two anniversaries of date of grant.

Note: File three copies of this Form, one of which must be manually signed. If space 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.

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