

Mason Michael Thomas  
 Form 4  
 January 25, 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 \*  
 Mason Michael Thomas

2. Issuer Name and Ticker or Trading Symbol  
 GEOVIC MINING CORP.  
 [TSX-GMC]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
 142 STRATFORD AVE  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 01/21/2011

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

GARDEN CITY, NY 11530  
 (City) (State) (Zip)

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

**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 Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------|
|                                 |                                      |                                                    |                                | (A) or (D)                                                        | Code V Amount (D) Price                                                             |                                                          |                                                                 |

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

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

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 | 2. Conversion or Exercise | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any | 4. Transaction Code | 5. Number of Derivative Securities | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) |
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|
|                                 |                           |                                      |                                   |                     |                                    |                                                          |                                                               |

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| (Instr. 3)                               | Price of<br>Derivative<br>Security | (Month/Day/Year) | (Instr. 8) | Acquired (A) or<br>Disposed of (D)<br>(Instr. 3, 4, and<br>5) | Code | V | (A)     | (D) | Date<br>Exercisable | Expiration<br>Date | Title           | Amount of<br>Number of<br>Shares |
|------------------------------------------|------------------------------------|------------------|------------|---------------------------------------------------------------|------|---|---------|-----|---------------------|--------------------|-----------------|----------------------------------|
| Option to<br>purchase<br>common<br>stock | <u>(1)</u>                         | 01/21/2011       | 01/21/2011 | A                                                             |      |   | 500,000 |     | <u>(2)</u>          | 01/21/2012         | Common<br>Stock | 500,000                          |

## Reporting Owners

| Reporting Owner Name / Address                                     | Relationships |           |                         |       |
|--------------------------------------------------------------------|---------------|-----------|-------------------------|-------|
|                                                                    | Director      | 10% Owner | Officer                 | Other |
| Mason Michael Thomas<br>142 STRATFORD AVE<br>GARDEN CITY, NY 11530 | X             |           | Chief Executive Officer |       |

## Signatures

/s/ Michael  
Mason 01/25/2011

    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) Exercise price is Cdn\$0.69.
- (2) Option will vest only upon meeting certain performance goals established by the Board of Directors.

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.