VULCAN MATERIALS CO
Reported by
SHEPHERD DANNY R

FORM 4
(Statement of Changes in Beneficial Ownership)

Filed 12/31/07 for the Period Ending 12/28/07

Address 1200 URBAN CENTER DRIVE
BIRMINGHAM, AL 35242
Telephone 2052983000
CIK 0001396009
Symbol VMC
Fiscal Year 12/31
**Form 4**

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

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**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(f) of the Investment Company Act of 1940

1. **Name and Address of Reporting Person** *
   SHEPHERD DANNY R  
   1200 URBAN CENTER DRIVE  
   BIRMINGHAM, AL 35242

2. **Issuer Name and Ticker or Trading Symbol**
   Vulcan Materials CO [ VMC ]

3. **Date of Earliest Transaction** (MM/DD/YYYY)
   12/28/2007

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

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

<table>
<thead>
<tr>
<th>Title of Security</th>
<th>Trans. Date</th>
<th>2A. Deemed Execution Date, if any</th>
<th>3. Trans. Code (Instr. 8)</th>
<th>4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)</th>
<th>5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)</th>
<th>6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)</th>
<th>7. Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Phantom Stock</strong> (Deferred Compensation)</td>
<td>(1)</td>
<td>12/28/2007</td>
<td>A</td>
<td>87.18</td>
<td>(2) (2)</td>
<td>Common Stock</td>
<td>87.18</td>
</tr>
</tbody>
</table>

**Explanation of Responses:**

(1) Convertible for a 1-for-1 basis.

(2) The units are to be settled in Vulcan common stock commencing at the retirement of the reporting person.

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

<table>
<thead>
<tr>
<th>Title of Derivative Security (Instr. 3)</th>
<th>Conversion or Exercise Price of Derivative Security</th>
<th>3. Trans. Date</th>
<th>3A. Deemed Execution Date, if any</th>
<th>4. Trans. Code (Instr. 8)</th>
<th>5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)</th>
<th>6. Date Exercisable and Expiration Date</th>
<th>7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)</th>
<th>8. Price of Derivative Security (Instr. 5)</th>
<th>9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)</th>
<th>10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)</th>
<th>11. Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phantom Stock (Deferred Compensation)</td>
<td>(1)</td>
<td>12/28/2007</td>
<td>A</td>
<td>87.18</td>
<td>(2) (2)</td>
<td>Common Stock</td>
<td>87.18</td>
<td>$77.43</td>
<td>6021.62</td>
<td>D</td>
<td></td>
</tr>
</tbody>
</table>

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**Reporting Owners**

**Relationships**

<table>
<thead>
<tr>
<th>Reporting Owner Name / Address</th>
<th>Relationships</th>
</tr>
</thead>
</table>
| SHEPHERD DANNY R  
1200 URBAN CENTER DRIVE  
BIRMINGHAM, AL 35242 | Director 10% Owner Officer Other  
SVP, CMG-East |

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**Signatures**

_/s/ Amy M. Tucker, Attorney-in-Fact_  
12/31/2007

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

* If the form is filed by more than one reporting person, see Instruction 4(b)(v).


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