FORM 3

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

OMB APPROVAL
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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person *	2. Date of Event Requiring Statement (MM/DD/YYYY)	3. Issuer Name **and** Ticker or Trading Symbol
Thorpe S Martin	**1/1/2017**	**Vulcan Materials CO [VMC]**
(Last) (First) (Middle) **C/O VULCAN MATERIALS COMPANY, 1200 URBAN CENTER DRIVE**	4. Relationship of Reporting Person(s) to Issuer (Check all applicable) ____ Director ____ 10% Owner ___ **X** ___ Officer (give title below) ____ Other (specify below) **President, Mideast Division /**	
(Street) **BIRMINGHAM, AL 35242** (City) (State) (Zip)	5. If Amendment, Date Original Filed (MM/DD/YYYY)	6. Individual or Joint/Group Filing (Check Applicable Line) _ **X** _ Form filed by One Reporting Person ___ Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1.Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	**1903**	**D**	
Common Stock (401(k))	**1531.10**	**D**	

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

1. Title of Derivate Security (Instr. 4)	2. Date Exercisable and Expiration Date (MM/DD/YYYY)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Performance Share Units	**2/9/2017**	(1)	**Common Stock**	**570**	(1)	**D**	
Performance Share Units	**12/31/2017**	(2)	**Common Stock**	**540**	(2)	**D**	
Performance Share Units	**12/31/2018**	(3)	**Common Stock**	**890**	(3)	**D**	
Performance Share Units	**12/31/2019**	(4)	**Common Stock**	**460**	(4)	**D**	
Stock Appreciation Right	**2/11/2011** (5)	**2/11/2020**	**Common Stock**	**1470**	**$43.05**	**D**	
Stock Appreciation Right	**3/1/2012** (5)	**3/1/2021**	**Common Stock**	**710**	**$43.63**	**D**	
Stock Appreciation Right	**2/7/2014** (5)	**2/7/2023**	**Common Stock**	**570**	**$55.41**	**D**	
Stock Appreciation Right	**2/13/2015** (5)	**2/13/2024**	**Common Stock**	**540**	**$66.00**	**D**	

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

1. Title of Derivate Security (Instr. 4)	2. Date Exercisable and Expiration Date (MM/DD/YYYY)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Stock Appreciation Right	**2/12/2016** (5)	**2/12/2025**	**Common Stock**	**890**	**$79.41**	**D**	
Restricted Stock Unit (6)	**2/12/2020**	**2/12/2026**	**Common Stock**	**460**	**$0**	**D**	

Explanation of Responses:

(1) Performance Share Units vest on December 31 at the end of the Performance Period. The Performance Period for this award began on January 1, 2013 and ended on December 31, 2016. At the end of the Performance Period, the Compensation Committee determines the amount based on Company performance relative to the S&P 500 Index, of which the Company is a member. The payment is made 100% in stock on a payment date determined by the Compensation Committee, which is currently expected to be February 9, 2017. The fair market value of the award is not determinable until the payment date.

(2) Performance Share Units vest on December 31 at the end of the Performance Period. The Performance Period for this award began on January 1, 2014 and ends on December 31, 2017. At the end of the Performance Period, the Compensation Committee determines the amount based on Company performance relative to the S&P 500 Index, of which the Company is a member. The payment is made 100% in stock on a payment date determined by the Compensation Committee. The fair market value of the award is not determinable until the payment date.

(3) Performance Share Units vest on December 31 at the end of the Performance Period. The Performance Period for this award began on January 1, 2015 and ends on December 31, 2018. At the end of the Performance Period, the Compensation Committee determines the amount based on Company performance relative to the S&P 500 Index, of which the Company is a member. The payment is made 100% in stock on a payment date determined by the Compensation Committee. The fair market value of the award is not determinable until the payment date.

(4) Performance Share Units vest on December 31 at the end of the Performance Period. The Performance Period for this award began on January 1, 2016 and ends on December 31, 2019. At the end of the Performance Period, the Compensation Committee determines the amount based on Company performance relative to the S&P 500 Index, of which the Company is a member. The payment is made 100% in stock on a payment date determined by the Compensation Committee. The fair market value of the award is not determinable until the payment date.

(5) The Stock Appreciation Right vests in four equal annual installments beginning on this date.

(6) Each Restricted Stock Unit represents a contingent right to receive one share of Vulcan common stock.

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Thorpe S Martin **C/O VULCAN MATERIALS COMPANY** **1200 URBAN CENTER DRIVE** **BIRMINGHAM, AL 35242**			**President, Mideast Division**	

Signatures

/s/ C. Samuel Todd, Attorney-in-Fact — **1/10/2017**

** Signature of Reporting Person — Date

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 5(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).

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.

POWER OF ATTORNEY

STATE OF ALABAMA
COUNTY OF JEFFERSON

The undersigned officer of Vulcan Materials Company, a New Jersey corporation, hereby nominates, constitutes and appoints Michael R. Mills, Jerry F. Perkins Jr., C. Samuel Todd and Jeanne Barlow, or any of them, the true and lawful attorneys of the undersigned to prepare, based on information provided by said officer, and sign the name of the undersigned to (1) any Form 3 required to be filed with the Securities and Exchange Commission (the "SEC") under the Securities and Exchange Act of 1934, as amended (the "Exchange Act"), for and on behalf of said officer; (2) any Form 4 required to be filed with the SEC under the Exchange Act, for and on behalf of said officer and any and all amendments to said reports; and (3) any Form 5 of said officer to be filed with the SEC under the Exchange Act, for and on behalf of said officer and any and all amendments to said reports.

The undersigned hereby grants to said attorneys full power of substitution, resubstitution and revocation, all as fully as the undersigned could do if personally present, hereby ratifying all that said attorneys or their substitutes may lawfully do by virtue hereof.

IN WITNESS WHEREOF, the undersigned officer of Vulcan Materials Company has executed this Power of Attorney this 1 st day of January, 2017.

/s/ S. Martin Thorpe
S. Martin Thorpe