

Thompson John David
 Form 4
 April 18, 2018

FORM 4

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

OMB APPROVAL

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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 *
 Thompson John David

(Last) (First) (Middle)

C/O CORESITE REALTY CORPORATION, 1001 17TH STREET, SUITE 500

(Street)

DENVER, CO 80202

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 CoreSite Realty Corp [COR]

3. Date of Earliest Transaction
 (Month/Day/Year)
 04/16/2018

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

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 Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of 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 | 2. Conversion | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if | 4. Transaction of | 5. Number | 6. Date Exercisable and Expiration Date | 7. Title and Amount of Underlying Securities | 8. Price of Derivative |
|------------------------|---------------|--------------------------------------|-------------------------------|-------------------|-----------|---|--|------------------------|
|------------------------|---------------|--------------------------------------|-------------------------------|-------------------|-----------|---|--|------------------------|

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| Security (Instr. 3) | or Exercise Price of Derivative Security | any (Month/Day/Year) | Code (Instr. 8) | Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | (Month/Day/Year) | (Instr. 3 and 4) | Security (Instr. 5) | | | | |
|------------------------------|---|-------------------------|--------------------|---|------------------|------------------|------------------------|--------------------|-----------------|--|------|
| | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | |
| Restricted Stock Units | (1) | 04/16/2018 | A | | 112 | | (2) | (3) | Common Stock | 112 | \$ 0 |

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

Thompson John David
 C/O CORESITE REALTY CORPORATION
 1001 17TH STREET, SUITE 500
 DENVER, CO 80202

X

Signatures

/s/ Derek S. McCandless,
 Attorney-in-Fact

04/18/2018

__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) Each Restricted Stock Unit ("RSU") represents the right to receive one share of common stock of the issuer. The reporting person also holds a tandem Dividend Equivalent for each RSU held, which gives the reporting person the right to receive, upon the payment of any ordinary quarterly cash dividend paid to holders of common stock of the issuer, an equivalent payment in the form of additional RSUs based on the fair market value of the issuer's common stock on the date of payment.

(2) One hundred (100) RSUs vest immediately, and pursuant to a deferral election made by the reporting person, such vested RSUs are payable upon the earliest of (a) the reporting person's separation from service with the issuer, (b) the reporting person's death or (c) the date of a change in control of the issuer. The remaining twelve (12) RSUs will vest on May 24, 2018, and such RSUs are payable and will settle on May 24, 2018.

(3) The RSUs have no expiration date.

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.