

**FORM 5**

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

**ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

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

- Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).
- Form 3 Holdings Reported.
- Form 4 Transactions Reported.

| OMB APPROVAL                                |           |
|---|-----------|
| OMB Number:                                 | 3235-0362 |
| Estimated average burden hours per response | 1.0       |

|  |   |   |
|--|---|---|
| <b>1. Name and Address of Reporting Person</b><br>Zemljak Renee Ellen<br><hr/> (Last) (First) (Middle)<br>SUITE 1700, 370 - 17TH STREET<br><hr/> (Street)<br>DENVER CO 80202<br><hr/> (City) (State) (Zip) | <b>2. Issuer Name and Ticker or Trading Symbol</b><br>ENCANA CORP [ ECA ]<br><hr/> <b>3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)</b><br>12/31/2017<br><hr/> <b>4. If Amendment, Date of Original Filed (Month/Day/Year)</b> | <b>5. Relationship of Reporting Person(s) to Issuer</b><br>(Check all applicable)<br>Director 10% Owner<br>Officer (give title below) Other (specify below)<br>X EVP, Mdstm, Mktg and Fndmtls<br><hr/> <b>6. Individual or Joint/Group Filing (Check Applicable Line)</b><br>X Form filed by One Reporting Person<br>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 at end of Issuer's Fiscal Year (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|  |                                      |  |                                | Amount  | (A) or (D) | Price   |  |  |   |
| Common Shares  | 02/17/2017                           |  | M4                             | 21,508  | A          | \$12.35 | 15,304   | D  |   |
| Common Shares  | 02/17/2017                           |  | D4                             | 21,508  | D          | \$12.35 | 15,304   | D  |   |
| Common Shares  | 02/17/2017                           |  | M4                             | 39,961 <sup>(3)</sup>   | A          | \$12.4  | 15,304   | D  |   |
| Common Shares  | 02/17/2017                           |  | D4                             | 39,961 <sup>(3)</sup>   | D          | \$12.4  | 15,304   | D  |   |

| Table II – Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) |  |                                      |  |                                |  |        |  |                 |   |                            |  |  |   |  |
|--|--|--------------------------------------|--|--------------------------------|--|--------|--|-----------------|---|----------------------------|--|--|---|--|
| 1. Title of Derivative Security (Instr. 3)   | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |        | 6. Date Exercisable and Expiration Date (Month/Day/Year) |                 | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) |                            | 8. Price of Derivative Security (Instr. 5) | 9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|  |  |                                      |  |                                | (A)  | (D)    | Date Exercisable   | Expiration Date | Title   | Amount or Number of Shares |  |  |   |  |
| Rights (Restricted Share Unit)   | (1)  | 02/17/2017                           |  | M4                             |  | 21,508 | 02/17/2017   | 02/17/2017      | Common Shares   | 21,508                     | \$0.00                                     | 0  | D   |  |
| Rights (Performance Share Unit)  | (2)  | 02/17/2017                           |  | M4                             |  | 42,951 | 02/17/2017   | 02/17/2017      | Common Shares   | 42,951                     | \$0.00                                     | 0  | D   |  |

**Explanation of Responses:**

1. Each Restricted Share Unit (each, "RSU") is the economic equivalent of one common share of Encana Corporation and attracts dividend equivalent RSUs.
2. Each Performance Share Unit (each, "PSU") is settled based on the achievement of certain performance criteria, is valued based on the economic equivalent of one common share of Encana Corporation, and attracts dividend equivalent PSUs.
3. Settlement of the PSUs was based on a performance criteria multiplier of 92.9 percent.

**Remarks:**

/s/ Dawna Gibb by Power of Attorney

02/14/2018

\*\* 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 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).

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 Number.