

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* Zemljak Renee Ellen 0001693082 <hr/> (Last) (First) (Middle) C/O 500 CENTRE STREET SE <hr/> (Street) CALGARY A0 T2P2S5 <hr/> (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 01/01/2017	3. Issuer Name and Ticker or Trading Symbol ENCANA CORP [ECA]	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer Other (give title below) (specify below) EVP, Mdstrm, Mktg and Fndmtls	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> 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 Shares	15,304	D	
Common Shares	3,191	I	401K

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: 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			
Rights (Shareholder Appreciation)	(1)	03/03/2023	Common Shares	285,227	\$4.06	D	
Rights (Shareholder Appreciation)	(2)	03/13/2022	Common Shares	138,823	\$11.35	D	
Rights (Shareholder Appreciation)	(3)	02/18/2019	Common Shares	88,084	\$18.51	D	
Rights (Shareholder Appreciation)	(4)	02/19/2018	Common Shares	90,520	\$17.95	D	
Rights (Shareholder Appreciation)	(5)	02/22/2017	Common Shares	62,056	\$20.91	D	
Rights (Restricted Share Units)	03/03/2019	(6)	Common Shares	92,889	\$4.06	D	

Rights (Restricted Share Units)	03/13/2018	(6)	Common Shares	34,519	\$11.35	D	
Rights (Restricted Share Units)	02/18/2017	(6)	Common Shares	21,476	\$18.51	D	
Rights (Performance Share Units)	03/03/2019	(7)	Common Shares	185,777	\$4.06	D	
Rights (Performance Share Units)	03/13/2018	(7)	Common Shares	69,037	\$11.35	D	
Rights (Performance Share Units)	02/18/2017	(7)	Common Shares	42,951	\$18.51	D	
Rights (Deferred Share Units)	(8)	(8)	Common Shares	31,561	(8)	D	

Explanation of Responses:

- 1/3 will vest on March 3, 2017; 1/3 will vest on March 3, 2018; 1/3 will vest on March 3, 2019.
- 1/3 vested on March 13, 2016; 1/3 will vest on March 13, 2017; 1/3 will vest on March 13, 2018.
- 1/3 vested on February 18, 2015; 1/3 vested on February 18, 2016; 1/3 will vest on February 18, 2017.
- 1/3 vested on February 19, 2014; 1/3 vested on February 19, 2015; 1/3 vested on February 19, 2016.
- 1/3 vested on February 22, 2013; 1/3 vested on February 22, 2014; 1/3 vested on February 22, 2015.
- Each Restricted Share Unit (each, a "RSU") is the economic equivalent of one common share of Encana Corporation. RSUs are subject to the officer's active employment on the vesting date.
- Each Performance Share Unit (each, a "PSU") is the economic equivalent of one common share of Encana Corporation. PSUs are subject to achievement of performance criteria on the vesting date.
- Each Deferred Share Unit (each, a "DSU") is the economic equivalent of one common share of Encana Corporation. DSUs are held until termination of employment.

Remarks:

/s/Dawna Gibb by Power of Attorney

01/03/2017

** 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 Number.