

FORM 5

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).

Form 3 Holdings Reported.

Form 4 Transactions Reported.

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

<p>1. Name and Address of Reporting Person* Suttles Douglas James</p> <p>(Last) (First) (Middle)</p> <p>C/O 500 CENTRE STREET SE</p> <p>(Street)</p> <p>CALGARY A0 T2P2S5</p> <p>(City) (State) (Zip)</p>	<p>2. Issuer Name and Ticker or Trading Symbol ENCANA CORP [ECA]</p> <p>3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 12/31/2017</p> <p>4. If Amendment, Date of Original Filed (Month/Day/Year)</p>	<p>5. Relationship of Reporting Person(s) to Issuer (Check all applicable)</p> <p><input checked="" type="checkbox"/> Director 10% Owner</p> <p><input checked="" type="checkbox"/> Officer (give title below) Other (specify below)</p> <p style="text-align: center;">President and CEO</p> <p>6. Individual or Joint/Group Filing (Check Applicable Line)</p> <p><input checked="" type="checkbox"/> Form filed by One Reporting Person</p> <p>Form filed by More than One Reporting Person</p>
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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	78,236	A	\$12.36 ⁽²⁾	76,212	D	
Common Shares	02/17/2017		D4	78,236	D	\$12.36 ⁽²⁾	76,212	D	
Common Shares	02/17/2017		M4	145,361 ⁽⁵⁾	A	\$12.57 ⁽⁴⁾	76,212	D	
Common Shares	02/17/2017		D4	145,361 ⁽⁵⁾	D	\$12.57 ⁽⁴⁾	76,212	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
Rights (Restricted Share Unit)	(1)	02/17/2017		M4		78,236	02/17/2017	02/17/2017	Common Shares	78,236	\$0.00 ⁽²⁾	0	D	
Rights (Performance Share Unit)	(3)	02/17/2017		M4		156,239	02/17/2017	02/17/2017	Common Shares	156,239	\$0.00 ⁽⁴⁾	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. The RSUs settled in Canadian dollars at a price of CAD\$16.20 per RSU. The price has been converted to U.S. dollars using the Bank of Canada exchange rate on the transaction date.
3. 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.
4. The PSUs settled in Canadian dollars at a price of CAD\$16.57 per PSU. The price has been converted to U.S. dollars using the Bank of Canada exchange rate on the transaction date.
5. 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.