Lawson Douglas A. Form 4 February 15, 2019

FORM 4

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

OMB APPROVAL OMB 3235-0287 Number:

Check this box if no longer subject to

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

January 31, Expires: 2005

Section 16. Form 4 or Form 5 obligations

SECURITIES

Estimated average burden hours per response...

may continue. See Instruction

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

0.5

1(b).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Lawson Douglas A. Issuer Symbol **AXCELIS TECHNOLOGIES INC** (Check all applicable) [ACLS]

C/O AXCELIS TECHNOLOGIES,

(Street)

(First)

3. Date of Earliest Transaction

Director 10% Owner _X__ Officer (give title _ Other (specify

(Month/Day/Year) 02/15/2019

below) EVP, Corporate Mktg & Strategy

INC., 108 CHERRY HILL DRIVE

(Middle)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

BEVERLY, MA 01915

(City)	(State) (Zip) Table I - Non-Derivative Securit						ies 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. Securit or(A) or Di (Instr. 3,	sposed	of (D)	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 Indirect Beneficial Ownership (Instr. 4)		
Common Stock	02/15/2019		M	5,859	A	\$ 12.04	50,755 (1)	D			
Common Stock	02/15/2019		M	7,813	A	\$ 7.2	58,568 (1)	D			
Common Stock	02/15/2019		S	13,672	D	\$ 22.51 (2)	44,896 (1)	D			
Common Stock							3,125	I	Held by spouse		

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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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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 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. Transactic Code (Instr. 8)	Securities		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock option (right to buy)	\$ 12.04	02/15/2019		M		5,859	01/15/2019	07/15/2022	Common Stock	5,859
Stock option (right to buy)	\$ 7.2	02/15/2019		M		7,813	07/15/2018	07/15/2021	Common Stock	7,813

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Lawson Douglas A. C/O AXCELIS TECHNOLOGIES, INC. 108 CHERRY HILL DRIVE BEVERLY, MA 01915

EVP, Corporate Mktg & Strategy

Signatures

Lynnette C. Fallon, as attorney in fact for Douglas A.

Lawson

02/15/2019

**Signature of Reporting Person Date

Reporting Owners 2

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) Of the shares held as of February 15, 2019, 31,286 were issuable on vesting of restricted stock units granted to the executive under the 2012 Equity Incentive Plan and are subject to forfeiture.
- The price reported in Column 4 is a weighted-average price. These shares were sold in multiple transactions at prices ranging from \$22.50 to \$22.61, inclusive. The reporting person undertakes to provide to Axcelis Technologies, Inc., any security holder of Axcelis Technologies, Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price.
- (3) These options are unvested and will vest as to 50% of the unvested shares on each of April 15,2019 and July 15,2019 if the executive remains in the service of the Company on such vesting 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.