Lawson Douglas A. Form 4 August 15, 2017

FORM 4

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

Check this box if no longer STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to **SECURITIES** Section 16. Form 4 or

Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

(Print or Type Responses)

1(b).

(Last)

1. Name and Address of Reporting Person * Lawson Douglas A.

(First)

C/O AXCELIS TECHNOLOGIES,

INC., 108 CHERRY HILL DRIVE (Street)

(Middle)

2. Issuer Name and Ticker or Trading Symbol

AXCELIS TECHNOLOGIES INC [ACLS]

(Month/Day/Year) 08/15/2017

3. Date of Earliest Transaction

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

OMB APPROVAL

3235-0287

January 31,

2005

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OMB

Number:

Expires:

response...

Estimated average

burden hours per

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

EVP, Corporate Mktg & Strategy

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

Applicable Line)

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

6. Individual or Joint/Group Filing(Check

BEVERLY, MA 01915

(City)	(State) (Zip) Tabl	e I - Non-D	erivative	Secur	rities Acq	uired, Disposed o	f, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)				5. Amount of Securities Beneficially Owned Following Reported	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		
Common Stock	08/15/2017		M	1,954	A	\$ 12.04	41,198 (1)	D	
Common Stock	08/15/2017		S	1,954	D	\$ 21.11	39,244	D	
Common Stock	08/15/2017		M	4,688	A	\$ 7.96	43,932	D	
Common Stock	08/15/2017		S	4,688	D	\$ 21.1	39,244	D	
Common Stock	08/15/2017		M	7,812	A	\$ 7.2	47,056	D	

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Common Stock Reminder: Rep	oort on a separate line for each class of secur	ities benef	ficially ow	ned di	rectly or i	3,125	I	Held by Spouse
Common Stock	08/15/2017	S	7,812	D	\$ 21.14 (2)	39,244 (1)	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. Transactic Code (Instr. 8)	5. Number conf 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 Underlying Securities (Instr. 3 and 4)		8. D Se (I
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Option (right to buy)	\$ 12.04	08/15/2017		M		1,954	07/15/2017	07/15/2022	Common Stock	1,954	
Stock Option (right to buy)	\$ 7.96	08/15/2017		M		4,688	07/15/2017	07/15/2020	Common Stock	4,688	
Stock option (right to buy)	\$ 7.2	08/15/2017		M		7,812	07/15/2017	07/15/2021	Common Stock	7,812	

Reporting Owners

Reporting Owner Name / Address	Keiationsnips							
	Director	10% Owner	Officer	Other				
Lawson Douglas A.			EVP, Corporate Mktg & Strategy					
C/O AXCELIS TECHNOLOGIES, INC.								

Reporting Owners 2

108 CHERRY HILL DRIVE BEVERLY, MA 01915

Signatures

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

08/15/2017

**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) Of the shares held as of August 15, 2017, 25,986 were issuable on vesting of restricted stock units granted 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 \$21.05 to \$21.15, 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 purchased at each separate price.
- 31,250 options were granted on July 15, 2015 and were vested as to 50% of the options as of August 15, 2017. Of the remaining 15,625 options held by the executive after the sales on that date, 1953/4 options will vest on the 15th of each of October, January, April and July until fully vested on July 15, 2019, if the officer remains in the service of the Company on such vesting dates.
- 31,250 options were granted on July 15, 2014 and were vested as to 75% of the options as of August 15, 2017. The remaining 7,814 (4) options held by the executive after the sales on that date will vest on July 15, 2018, if the officer 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.

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