PUMA MARY G Form 4 March 01, 2019

FORM 4

OMB APPROVAL

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

Washington, D.C. 20549

January 31, Expires: 2005 Estimated average

SECURITIES Form 4 or

burden hours per response...

Form 5 obligations 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

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1(b).

(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 PUMA MARY G Issuer Symbol **AXCELIS TECHNOLOGIES INC** (Check all applicable) [ACLS] 10% Owner (Last) (First) (Middle) 3. Date of Earliest Transaction _X__ Director X_ Officer (give title Other (specify (Month/Day/Year) below) C/O AXCELIS TECHNOLOGIES. 02/28/2019 President and CEO INC., 108 CHERRY HILL DRIVE (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

BEVERLY, MA 01915

(State)

(Zip)

(City)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

Person

		Tubk	1 11011 10	crivative Securities	ricquireu, Disposeu	oi, or beneficia	ny Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securities	5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transactio	onAcquired (A) or	Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	Disposed of (D)	Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)	(Instr. 3, 4 and 5)	Owned	Indirect (I)	Ownership
					Following	(Instr. 4)	(Instr. 4)
				(4)	Reported		
				(A)	Transaction(s)		
			C = V	or	. (Instr. 3 and 4)		
~			Code V		rice (msu. 5 and 1)		
Common	02/28/2019		$F_{(1)}^{(1)}$	4,399 D \$	7 1/1 3/11 (3)	D	
Stock	02/20/2017			4,399 D (2) 274,541 =	D	
							** 111
Common					5,000	Ţ	Held by
Stock					3,000	•	Spouse

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	onNumber	Expiration D	ate	Amoun	t of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	ying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securit	ies	(Instr. 5)	Bene
	Derivative				Securities			(Instr. 3	3 and 4)		Own
	Security				Acquired						Follo
	•				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									A manuat		
									Amount		
						Date	Expiration		Or		
						Exercisable	Date		Number		
				C + V	(A) (D)				of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address	Relationsnips					
	Director	10% Owner	Officer	Other		

PUMA MARY G C/O AXCELIS TECHNOLOGIES, INC. 108 CHERRY HILL DRIVE BEVERLY, MA 01915

President and CEO

Signatures

Lynnette C. Fallon, as attorney in fact for Mary G.

Puma 03/01/2019

> **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).
- On February 5, 2019, the Axcelis Technologies, Inc. Compensation Committee determined that restricted stock units with performance vesting terms granted in May 2018 had been earned as to 100% of the units. In accordance with the terms of these grants, on February 28, 2019, 50% of the earned shares vested. As agreed with the executive, the shares issued to the executive on the vested shares were reduced by a number of shares having a value equal to the executive's tax withholding obligation with respect to the vested shares.
- These shares were withheld by the Company to cover the tax withholding obligations of the executive on the vesting of restricted stock units on February 28, 2019.
- Of the shares beneficially owned by the executive on February 28, 2019, 112,067 shares were issuable on vesting of restricted stock units **(3)** which are subject to forfeiture.

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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