

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

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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

Check this box if no longer
subject to Section 16. Form 4 or
Form 5 obligations may
continue. See Instruction 1(b).

1. Name and Address of Reporting Person* <u>Smith William Maxwell</u> <hr/> (Last) (First) (Middle) FLUIDIGM CORPORATION 7000 SHORELINE COURT, SUITE 100 <hr/> (Street) SOUTH SAN FRANCISCO CA 94080 <hr/> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>FLUIDIGM CORP [FLDM]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner X Officer (give title below) Other (specify below) EVP, LEGAL AFFAIRS & GC	
	3. Date of Earliest Transaction (Month/Day/Year) <u>03/16/2015</u>		6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person
	4. If Amendment, Date of Original Filed (Month/Day/Year)		

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 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)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	03/16/2015		M		2,327	A	\$4.0828	3,249	D	
Common Stock	03/16/2015		M		673	A	\$4.4461	3,922	D	
Common Stock	03/16/2015		S ⁽¹⁾		3,000	D	\$40.87	922	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. Ownership of Beneficially Owned (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Employee Stock Option (Right to Buy)	\$4.0828	03/16/2015		M			2,327	(2)	11/17/2019	Common Stock	2,327	\$0	0	D	
Employee Stock Option (Right to Buy)	\$4.4461	03/16/2015		M			673	(3)	04/23/2018	Common Stock	673	\$0	4,503	D	

Explanation of Responses:

- The sales reported by Mr. Smith were effected pursuant to a Rule 10b5-1 trading plan adopted on November 13, 2014.
- The shares subject to the Option fully vested on April 1, 2013.
- The shares subject to the Option fully vested on May 1, 2008.

Remarks:

/s/ Valerie Barnett, attorney-in-fact

03/18/2015

** 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.