

Smith William Maxwell
 Form 4
 March 14, 2012

FORM 4

**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).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person *
 Smith William Maxwell

(Last) (First) (Middle)

FLUIDIGM CORPORATION, 7000 SHORELINE COURT SUITE 100

(Street)

SOUTH SAN FRANCISCO, CA 94080

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 FLUIDIGM CORP [FLDM]

3. Date of Earliest Transaction (Month/Day/Year)
 03/12/2012

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 EVP, Legal Affairs & GC

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 ____ Form filed by More than One Reporting Person

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)
				(A) or (D)	Price		
				Code	V	Amount	
Common Stock	03/12/2012		M	A	\$ 1.82	52,545	D
Common Stock	03/12/2012		S ⁽¹⁾	D	\$ 15.7227	49,545	D
					(2)	(2)	

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

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SEC 1474 (9-02)

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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 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 Underlying Securities (Instr. 3 and 4)
				Code	V (A) (D)	Date Exercisable Expiration Date	Title Amount or Number of Shares
Employee Stock Option (Right to Buy)	\$ 1.82	03/12/2012		M	3,000	(3) 07/15/2013	Common 3,000
Employee Stock Option (Right to Buy) (4)	\$ 4.09	11/17/2009		A	5,780 (5)	(4) 11/17/2019	Common 5,780 (5)

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Smith William Maxwell FLUIDIGM CORPORATION 7000 SHORELINE COURT SUITE 100 SOUTH SAN FRANCISCO, CA 94080			EVP, Legal Affairs & GC	

Signatures

/s/ William M. Smith
03/14/2012
**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) The sales reported by Mr. Smith were effected pursuant to a Rule 10b5-1 trading plan adopted on September 6, 2011.
- (2) The "Amount" and "Price" reported in this Column 4 reflect the aggregate number and weighted-average price, respectively, of shares sold. These shares were sold in multiple transactions at prices ranging from \$15.61 to \$15.80, inclusive. The reporting person undertakes to provide to the issuer, any security holder of the issuer, or the SEC staff, upon request, full information regarding the number of shares sold at each separate price within the range set forth herein

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- (3) The Option fully vested on April 1, 2007.

The Option is not a new grant but is listed herein to correct the vesting schedule previously reported on a Form 3 filed by the reporting person on February 9, 2011. The filed Form 3 reported that 70% of the shares subject to the Option vested on December 31, 2009, 25% of the remaining 30% of the shares subject to the Option vested on April 1, 2010 and 1/48th of the remaining unvested shares subject to the

- (4) Option shall vest each month thereafter. However, such Form 3 should have reported that 61% of the shares subject to the Option vested on December 31, 2009, 25% of the remaining 39% of the shares subject to the Option vested on April 1, 2010 and 1/48th of the remaining 39% of the shares subject to the Option shall vest each month thereafter such that all shares subject to the Option shall be fully vested on April 1, 2013.

- (5) Reflects a 1-for-1.73 reverse stock split of the Issuer's outstanding shares effected February 3, 2011.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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