

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL	
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1. Name and Address of Reporting Person* JONES ROBERT C _____ (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]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) EVP, RESEARCH & DEVELOPMENT
	3. Date of Earliest Transaction (Month/Day/Year) 01/02/2013	
	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	01/02/2013		M		4,483	A	\$4.0828	4,483	D	
Common Stock	01/02/2013		M		1,220	A	\$4.4461	5,703	D	
Common Stock	01/02/2013		S ⁽¹⁾		5,703	D	\$14.44	0	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. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Employee Stock Option (Right to Buy)	\$4.0828	01/02/2013		M			4,483	(2)	11/17/2019	Common Stock	4,483	\$0	141	D	
Employee Stock Option (Right to Buy)	\$4.4461	01/02/2013		M			1,220	(3)	04/23/2018	Common Stock	1,220	\$0	208	D	

Explanation of Responses:

- The sales reported by Mr. Jones were effected pursuant to a Rule 10b5-1 trading plan adopted on February 24, 2012.
- 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.
- The shares subject to the Option fully vested on March 22, 2010.

/s/ Valerie Barnett, attorney-in-fact 01/04/2013

** 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.