FORM 4

obligations may continue. See Instruction 1(b).

Check this box if no longer subject to Section 16. Form 4 or Form 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

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

1. Name and Address of Reporting Person* Smith William Maxwell (Last) (First) (Middle) FLUIDIGM CORPORATION 7000 SHORELINE COURT, SUITE 100				- FI 3. [Susuer Name and Ticker or Trading Symbol FLUIDIGM CORP [FLDM] Date of Earliest Transaction (Month/Day/Year) 12/31/2012								Relationship of Reporting Person(s) to Issuer Check all applicable) Director Director Director Director Director Director Director Other (specify below) See remarks				wner	
(Street) SOUTH SAN FRANCISCO CA 94080 (City) (State) (Zip)				_	4. If Amendment, Date of Original Filed (Month/Day/Year)							Lir	X Form filed by One Reporting Person Form filed by More than One Reporting Person					
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/		ion	n 2A. Deemed Execution Date,		d Date,	3. Transaction Code (Instr. 8)		A. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 an			5. Amo		F(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	Tra	nsaction(s) str. 3 and 4)			(iiisti. 4)		
Common Stock 12/31/201					012	.2		S ⁽¹⁾		2,252	D	\$13.80	6	0		D		
Common Stock 01/02/201				013	.3		M		5,000	A	\$4.446	1	5,000		D			
Common Stock 01/02/20			013	.3		S ⁽¹⁾		5,000(2)	D	\$14.591	1(2)	0		D				
		Т	able								posed of, , converti			y Own	ed			
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	if any	emed tion Date, n/Day/Year)	on Date, Transa Code		saction of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		Expira	e Exerc ation D h/Day/		7. Title and Amount of Securities Underlying Derivative Securit (Instr. 3 and 4)		8. Pric Deriva Securi (Instr.	tive derivative Security Security Bene Owne Follow Repo	rities ficially ed wing orted saction(s	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exerci	isable	Expiration Date	Title	Amount or Number of Shares					
Employee Stock Option	\$4.4461	01/02/2013			M			5,000	(3	3)	08/14/2016	Commor Stock	5,000	\$0.0	0 2	2,693	D	

Explanation of Responses:

- 1. The sales reported by Mr. Smith were effected pursuant to a Rule 10b5-1 trading plan adopted on November 28, 2012.
- 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 \$14.22 to \$14.84, 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.
- 3. The shares subject to the Option fully vested on May 1, 2010.

Remarks:

EXECUTIVE VP, LEGAL AFFAIRS & GENERAL COUNSEL

/s/ Valerie Barnett, attorney-in-01/03/2013 fact

** 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.