SEC F	Form 4
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## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

OMB Number:	3235-0287
Estimated average bu	ırden
hours per response:	0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5	STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP
obligations may continue. See	Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934
Instruction 1(b).	or Section 30(h) of the Investment Company Act of 1940

				or S	Section 30(h) of the	e Investment (	Company Act of 1940						
1. Name and Address of Reporting Person <sup>*</sup> Smith William Maxwell				2. Issuer Name and Ticker or Trading Symbol FLUIDIGM CORP [FLDM]					5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
<u>Smith Willian</u>	<u>n Maxwell</u>				0121011100	<u></u> [100			Director	10% 0			
(I = = t)		() (; -  -   - )						X	Officer (give title below)	Other below	(specify )		
(Last) (First) (Middle) FLUIDIGM CORPORATION				3. Date of Earliest Transaction (Month/Day/Year) 02/17/2012					EVP, Legal Affairs & GC				
7000 SHORELI	NE COURT SUIT	TE 100											
(Street)			[	4. If /	Amendment, Date	of Original Fil	ed (Month/Day/Year)	6. Indiv Line)	idual or Joint/Group	Filing (Check A	oplicable		
SOUTH SAN	CA	94080						X	Form filed by One	Reporting Pers	on		
FRANCISCO		5 1000							Form filed by Mor Person	e than One Rep	orting		
(City)	(State)	(Zip)											
	-	Table I - I	Non-Deriva	tive	Securities A	cquired, D	isposed of, or Benefi	cially (	Dwned				
1. Title of Security (Instr. 3) 2. Transacti Date				n	2A. Deemed Execution Date,	3. Transaction	4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 an	d 5)	5. Amount of Securities	6. Ownership Form: Direct	7. Nature of Indirect		

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transa Code ( 8)		Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported	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	Transaction(s) (Instr. 3 and 4)		(1130.4)
Common Stock	02/17/2012		М		2,340	A	<b>\$1.82</b>	51,885	D	
Common Stock	02/17/2012		<b>S</b> <sup>(1)</sup>		2,340 <sup>(2)</sup>	D	<b>\$</b> 15.6004 <sup>(2)</sup>	49,545	D	
Common Stock	02/21/2012		М		660	A	<b>\$1.82</b>	50,205	D	
Common Stock	02/21/2012		<b>S</b> <sup>(1)</sup>		660	D	<b>\$</b> 15.6004 <sup>(3)</sup>	49,545	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. Transa Code ( 8)		Derivative		6. Date Exercisable and Expiration Date (Month/Day/Year)		e and 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)	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	Amount or Number of Shares		(Instr. 4)		
Employee Stock Option (Right to Buy)	\$1.82	02/17/2012		М			2,340	(4)	07/15/2013	Common Stock	2,340	\$0	19,072	D	
Employee Stock Option (Right to Buy)	\$15.49	02/17/2012		A		70,000		(5)	02/16/2022	Common Stock	70,000	\$0	70,000	D	
Employee Stock Option (Right to Buy)	\$1.82	02/21/2012		М			660	(4)	07/15/2013	Common Stock	660	\$0	18,412	D	

## Explanation of Responses:

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 \$15.6000 to \$15.6125, 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 were to be sold on February 17, 2012. Due to a trading error, these shares were not sold until February 21, 2012 at a price per share of \$14.75; however, the Reporting Person will receive proceeds based upon a sale price of \$15.6004, the weighted-average price per share of shares sold on February 17, 2012.

4. The Option fully vested on April 1, 2007.

5. 1/48 of the shares subject to the Option vested on the date of grant and 1/48 of the shares subject to the Option will vest on March 1, 2012 and each month thereafter, such that the option will be fully vested on January 1, 2016.

## /s/ William M. Smith

\*\* Signature of Reporting Person

02/22/2012 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.