Wilson Stephen R Form 4 March 18, 2013

FORM 4

OMB APPROVAL

UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB 3235-0287 Number:

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

January 31, Expires: 2005

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

response... 0.5

Form 5 obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person ** Wilson Stephen R	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
(Last) (First) (Middle)	CF Industries Holdings, Inc. [CF] 3. Date of Earliest Transaction	(Check all applicable)			
C/O CF INDUSTRIES HOLDINGS, INC., 4 PARKWAY NORTH, SUITE 400	(Month/Day/Year) 03/15/2013	_X_ Director 10% Owner Other (specify below)			
(Street)	4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

DEERFIELD, IL 60015

Table I Non Derivative Securities	Acquired	Disposed of	or Ronoficially	bonwa.

(City)	(State)	(Zip) Tal	ble I - Non-	-Derivative	Secu	rities Acquire	d, Disposed of, o	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. Securit onDisposed (Instr. 3, 4	of (D)		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)
Common stock, par value \$0.01 per share	03/15/2013		M <u>(1)</u>	40,600	A	\$ 51.95	183,586	D	
Common stock, par value \$0.01 per share	03/15/2013		S <u>(1)</u>	4,500	D	\$ 201.956 (2)	179,086	D	
	03/15/2013		S <u>(1)</u>	8,692	D		170,394	D	

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Common stock, par value \$0.01 per share					\$ 203.2997 (3)		
Common stock, par value \$0.01 per share	03/15/2013	S <u>(1)</u>	25,775	D	\$ 204.3504 (4)	144,619	D
Common stock, par value \$0.01 per share	03/15/2013	S(1)	1,633	D	\$ 205.0443 (5)	142,986	D

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

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SEC 1474

(9-02)

Deletionships

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. Transactio Code (Instr. 8)	ctionDerivative Expiration Date Securities (Month/Day/Yea		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and A Underlying S (Instr. 3 and	Securities
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Employee Stock Option (right to buy)	\$ 51.95	03/15/2013		M(1)		40,600	<u>(6)</u>	08/10/2017	Common stock, par value \$0.01 per share	40,600

Reporting Owners

Reporting Owner Name / Address	Ketationships						
	Director	10% Owner	Officer	Other			
	Y						

Reporting Owners 2

Wilson Stephen R C/O CF INDUSTRIES HOLDINGS, INC. 4 PARKWAY NORTH, SUITE 400 DEERFIELD, IL 60015 Chair of the Board, CEO & Pres

Signatures

/s/ Douglas C. Barnard, by power of attorney

03/18/2013

**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 on this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on August 24, 2012.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$201.69 to \$202.53, inclusive. The reporting person undertakes to provide to CF Industries Holdings, Inc., any security holder of CF Industries Holdings, Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in footnotes (2), (3), (4) and (5) to this Form 4.
- (3) The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$202.80 to \$203.79, inclusive.
- (4) The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$203.84 to \$204.83, inclusive.
- (5) The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$204.8976 to \$205.17, inclusive.
- (6) The options vest in three equal installments on August 10, 2008, 2009, and 2010.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Signatures 3