Wilson Stephen R Form 4 March 16, 2012

FORM 4

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

OMB

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OMB APPROVAL

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Check this box

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

obligations may continue. See Instruction

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).

(Last)

(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

(Check all applicable)

Issuer

(Middle)

CF Industries Holdings, Inc. [CF] 3. Date of Earliest Transaction

X Director 10% Owner

C/O CF INDUSTRIES HOLDINGS,

(Street)

(First)

INC., 4 PARKWAY NORTH, SUITE 400

(Month/Day/Year) 03/15/2012

Other (specify X_ Officer (give title below)

Chairman, President, CEO

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check Applicable Line)

Filed(Month/Day/Year)

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

DEERFIELD, IL 60015

(City)	(State)	(Zip) Tak	ole I - Non-	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. Transactic Code (Instr. 8)	4. Securiti 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	03/15/2012		M(1)	50,000	A	\$ 16	189,886	D	
Common stock, par value \$0.01 per share	03/15/2012		S <u>(1)</u>	13,240	D	\$ 181.4988 (2)	176,646	D	
	03/15/2012		S(1)	28,020	D		148,626	D	

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Common stock, par 182.4371 value \$0.01 per share Common stock, par $S^{(1)}$ value 03/15/2012 8,740 D 183.5273 139,886 D \$0.01 per share

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

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 control number.

SEC 1474

(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

Derivative Security (Instr. 3)	Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	SA. Deemed Execution Date, if any (Month/Day/Year)	Transaction Code (Instr. 8)	5. Number of actionDerivative Securities 8) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		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)	\$ 16	03/15/2012		M <u>(1)</u>		50,000	(5)	08/10/2015	Common stock, par value \$0.01 per share	50,000

Reporting Owners

1 Title of

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
Wilson Stephen R C/O CF INDUSTRIES HOLDINGS, INC. 4 PARKWAY NORTH, SUITE 400 DEERFIELD, IL 60015	X		Chairman, President, CEO				

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Signatures

/s/ Douglas C. Barnard, by power of attorney 03/16/2012

**Signature of Reporting Person

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).

Date

- (1) The sales reported on this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on November 22, 2011.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$181.025 to \$182.02, 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) and (4) 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 \$182.0379 to \$183, inclusive.
- (4) The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$183.07 to \$183.95, inclusive.
- (5) The options vest in three equal installments on August 10, 2006, 2007, and 2008.

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.

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