CBOE Holdings, Inc.

Form 4

February 20, 2015

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

Number: 3235-0287

Expires: January 31, 2005

Estimated average burden hours per response... 0.5

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

Check this box

Form 4 or
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

See Instruction 1(b).

(Last)

(City)

(Print or Type Responses)

1. Name and Address of Reporting Person **O'Connell Gerald T

2. Issuer Name **and** Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

CBOE Holdings, Inc. [CBOE]

3. Date of Earliest Transaction

(Month/Day/Year) 02/19/2015

(Check all applicable)

Executive VP and CIO

_____ Director _____ 10% Owner _____ Other (specify below) below)

C/O CBOE HOLDINGS, INC., 400 SOUTH LASALLE STREET

(Street)

(First)

(Middle)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

CHICAGO, IL 60605

(State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

2. Transaction Date 2A. Deemed 3. 4. Securities Acquired 5. Amount of 6. 7. Nature of

1.Title of Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of (D) Securities Ownership Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Beneficial (Month/Day/Year) Owned Direct (D) Ownership (Instr. 8) Following or Indirect (Instr. 4) Reported (A) Transaction(s) (Instr. 4) (Instr. 3 and 4) Code V Amount (D) Price Unrestricted 2.047 Common 02/19/2015 D M 82,094 Stock Unrestricted Common 02/19/2015 F 637 81,457 D Stock

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

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SEC 1474

(9-02)

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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. Transactic Code (Instr. 8)	5. Numb orDerivati Securitie Acquired Disposed (Instr. 3,	ve es d (A) or d of (D)	6. Date Exerci Expiration Dat (Month/Day/Y	e Underlying Securities		
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amou or Numb of Shares
Restricted Stock Units	<u>(1)</u>	02/19/2015		M		2,047	02/19/2015	<u>(1)</u>	Unrestricted Common Stock	2,04
Restricted Stock Units	(1)	02/19/2015		A	5,488		(2)	(2)	Unrestricted Common Stock	5,48

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

O'Connell Gerald T C/O CBOE HOLDINGS, INC. 400 SOUTH LASALLE STREET CHICAGO, IL 60605

Executive VP and CIO

Signatures

/s/ Patrick Sexton, attorney-in-fact 02/20/2015

**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) Each restricted stock unit represents a contingent right to receive one share of CBOE Holdings, Inc. unrestricted common stock.
- (2) The restricted stock units vest in three equal annual installments beginning on February 19, 2016.

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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