BOEING CO Form 4 July 06, 2006

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

3235-0287 Number: January 31,

Expires: 2005 Estimated average

0.5

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

may continue.

See Instruction

Check this box

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).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person * COOK LINDA Z

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

BOEING CO [BA]

(Middle)

(Check all applicable)

100 N. RIVERSIDE PLAZA, M/C

(Street)

(First)

(Month/Day/Year) 07/03/2006

X_ Director 10% Owner Officer (give title Other (specify below)

5003-1001

4. If Amendment, Date Original

3. Date of Earliest Transaction

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

CHICAGO, IL 60606

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

3. 4. Securities Execution Date, if TransactionAcquired (A) or Code Disposed of (D) (Month/Day/Year) (Instr. 8) (Instr. 3, 4 and 5)

5. Amount of Securities Beneficially Owned (I) Following

7. Nature of 6. Ownership Form: Direct Indirect (D) or Indirect Beneficial Ownership (Instr. 4) (Instr. 4)

(A) or

Reported Transaction(s) (Instr. 3 and 4)

Code V Amount (D) Price

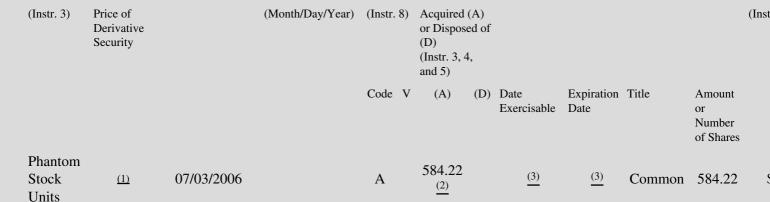
Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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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 3. Transaction Date 3A. Deemed 5. Number of 6. Date Exercisable and 7. Title and Amount of 8. Pr Derivative Conversion (Month/Day/Year) Execution Date, if TransactionDerivative **Expiration Date Underlying Securities** Deri Security or Exercise any Code Securities (Month/Day/Year) (Instr. 3 and 4) Secu

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Reporting Owners

Reporting Owner Name / Address	Relationships			
•	Director	10% Owner	Officer	Other
COOK LINDA Z 100 N. RIVERSIDE PLAZA M/C 5003-1001 CHICAGO, IL 60606	X			

Signatures

By: /s/ Mark R. Pacioni as Attorney-in-Fact 07/06/2006

**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) Phantom stock units are convertible into common stock on a 1-for-1 basis.
- (2) Phantom Stock Units acquired in lieu of director cash compensation.
- (3) Phantom stock units accrued under The Boeing Company's Deferred Compensation Plan for Directors are to be settled in The Boeing Company common stock upon the reporting person's termination of services as a director.
- (4) Includes adjustments for dividends accrued.

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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