BOEING CO Form 4 April 13, 2006

FORM 4

OMB APPROVAL

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB 3235-0287 Number:

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

Washington, D.C. 20549

January 31, Expires: 2005

Form 5

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

Estimated average burden hours per response... 0.5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

Common

Common

04/11/2006

(Print or Type Responses)

1. Name and Address of Reporting Person * DE LEON RUDY F			isuer Name and Ticker or Trading ol EING CO [BA]	5. Relationship of Reporting Person(s) to Issuer							
(Last)	(First)		te of Earliest Transaction	(Check all applicable)							
100 N. RIVERSIDE PLAZA, M/C 5003-1001			th/Day/Year) 1/2006	Director 10% Owner _X_ Officer (give title Other (specify below) Sr. VP Washington DC Op							
(Street)			Amendment, Date Original	6. Individual or Joint/Group Filing(Check							
		Filed	(Month/Day/Year)	Applicable Line)							
CHICAGO), IL 60606			_X_ Form filed by One Reporting Person Form filed by More than One Reporting Person							
(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned											
1.Title of Security (Instr. 3)	2. Transaction Dat (Month/Day/Year)		Code (Instr. 3, 4 and 5) (Instr. 8) (A) or Code V Amount (D) P	Securities Ownership Indirect Beneficially Form: Beneficial Owned Direct (D) Ownership Following or Indirect Reported (I) Transaction(s) (Instr. 4) (Instr. 3 and 4)							
Common	04/11/2006		M 9,800.26 A \$ 0	49,711.26 D							

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

F

4,136.26 D

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

45,575

9,026.86

80.57

D

I

Career

Shares

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

Title of Derivative	2. Conversion	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if	4. Transaction	5. Number of orDerivative	6. Date Exercisable and Expiration Date		7. Title and Amour Underlying Securit	
Security (Instr. 3)	or Exercise any Co		Code (Instr. 8)	Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	(Month/Day/Year)		(Instr. 3 and 4)		
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amo Num Share
2004 Performance Shares	(1)	04/11/2006		M	9,800.26	(2)	02/23/2009	Common	9,80

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

DE LEON RUDY F 100 N. RIVERSIDE PLAZA M/C 5003-1001 CHICAGO, IL 60606

Sr. VP Washington DC Op

Signatures

By: /s/ Mark R. Pacioni as Attorney-in-Fact 04/13/2006

**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) Performance shares convert on 1 for 1 basis on vesting

2004 Performance Shares vest in the following installments when the average daily closing price of Boeing stock reaches, for a specified (2) period, the following dollar levels: 15% at \$60.94, 30% at \$65.30, 45% at \$69.65, 60% at \$74.00, 75% at \$78.35, 90% at \$82.71, 100% at \$87.06, 110% at \$91.41, 120% at \$95.77, and 125% at \$97.94.

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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