BELL JAMES A Form 4 May 04, 2006

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

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

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).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading **BELL JAMES A** Issuer Symbol **BOEING CO [BA]** (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner _X__ Officer (give title Other (specify 100 N. RIVERSIDE PLAZA, M/C 05/02/2006 below) 5003-1001 **EVP & Chief Financial Officer** (Street) 4. If Amendment, Date Original 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 Person

(City)	(State)	(Zip) Tab	le I - Non-	Derivative So	ecuriti	es Acqui	red, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactio Code (Instr. 8)	4. Securities or Disposed (Instr. 3, 4 a	(A) or		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	05/02/2006		Code V M	Amount 2,429.78	(D) A	Price \$ 0	63,579.56	D	
Common	05/02/2006		F	958.78	D	\$ 85.33	62,620.78	D	
Common	05/02/2006		M	6,487.23	A	\$0	69,108.01	D	
Common	05/02/2006		F	2,559.23	D	\$ 85.33	66,548.78	D	
Common							2,669.66	I	Boeing 401(k) Plan
Common							10,540.04	I	

Career Shares

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

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SEC 1474

(9-02)

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. Transaction Code (Instr. 8)	5. Number of onDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amour Underlying Securit (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amo Num Share
2002 Performance Shares	<u>(1)</u>	05/02/2006		M	2,429.78	(2)	02/25/2007	Common	2,42
2004 Performance Shares	(1)	05/02/2006		M	6,487.23	(3)	02/23/2009	Common	6,48

Reporting Owners

Reporting Owner Name / Address	Relationships
Reporting Owner Manie / Address	

Director 10% Owner Officer Other

BELL JAMES A 100 N. RIVERSIDE PLAZA M/C 5003-1001 CHICAGO, IL 60606

EVP & Chief Financial Officer

Signatures

By: /s/ Mark R. Pacioni as Attorney-in-Fact 05/04/2006

**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

Reporting Owners 2

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- (2) 2002 Performance Shares vest in the following installments when the average daily closing price of Boeing stock reaches, for a specified period, the following dollar levels: 25% at \$72.38, 40% at \$75.73, 55% at \$79.20, 75% at \$82.80, 100% at \$86.53 and 125% at \$90.39.
- 2004 Performance Shares vest in the following installments when the average daily closing price of Boeing stock reaches, for a specified (3) 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.