

JAMES BRIAN C  
Form 4  
October 13, 2006

**FORM 4**

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
JAMES BRIAN C

(Last) (First) (Middle)  
C/O ADE CORPORATION, 80  
WILSON WAY  
(Street)

WESTWOOD, MA 02090

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
ADE CORP [ADEX]

3. Date of Earliest Transaction  
(Month/Day/Year)  
10/11/2006

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
VP, Treasurer & CFO

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
\_\_\_\_ Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, 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. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	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)
			Code	V	Amount	Price	
Common Stock	10/11/2006		M		50,000	\$ 21.117	A 52,000 D
Common Stock	10/11/2006		M		120,000	\$ 9.795	A 172,000 D
Common Stock	10/11/2006		F		68,675	\$ 32.49	D 103,325 D
Common Stock	10/11/2006		D		103,325	<u>(1)</u> 0	D D

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.

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(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 Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)		
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount Number Shares
Employee Stock Option (right to buy)	\$ 21.117	10/11/2006		M	50,000	<u>(2)</u> 09/18/2010	Common Stock	50,000	
Employee Stock Option (right to buy)	\$ 9.795	10/11/2006		M	120,000	<u>(3)</u> 10/18/2011	Common Stock	120,000	

## Reporting Owners

### Reporting Owner Name / Address

### Relationships

Director 10% Owner Officer Other

JAMES BRIAN C  
C/O ADE CORPORATION  
80 WILSON WAY  
WESTWOOD, MA 02090

VP, Treasurer & CFO

## Signatures

/s/ Brian James 10/13/2006

\*\*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) Disposed of pursuant to merger agreement between issuer and KLA-Tencor Corporation in exchange for \$32.50 per share on the effective date of the merger.

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- (2) The option provides for vesting in equal installments quarterly over a five year period beginning in September 2000.
- (3) The option provides for vesting in equal installments quarterly over a five year period beginning in October 2001.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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