KLA TENCOR CORP

Form 4 May 09, 2006

FORM 4

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

OMB Number: 3235-0287

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 2005
Estimated average

OMB APPROVAL

Section 16. 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

burden hours per response... 0.5

1(b).

(City)

(State)

(Zip)

(Print or Type Responses)

1. Name and Address of Reporting Person * MARKS MICHAEL E			2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
			KLA TENCOR CORP [KLAC]	(Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction				
			(Month/Day/Year)	_X_ Director 10% Owner			
C/O KLA-TENCOR			05/09/2006	Officer (give title Other (speci			
CORPORATION, 160 RIO		RIO		below) below)			
ROBLES							
	(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			
SAN JOSE, CA 95130				Form filed by More than One Reporting Person			

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

						- 1		•	
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	tion Date, if Transaction(A) or Disposed of (D) Securities Code (Instr. 3, 4 and 5) Beneficially h/Day/Year) (Instr. 8) Owned		Securities Ownership of Beneficially Form: Education Owned Direct (D) Composition Following or Indirect (D)		7. Nature of Indirect Beneficial Ownership (Instr. 4)		
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	(I) (Instr. 4)	
Common Stock	05/09/2006		M	2,500	A	\$ 40.68	2,500	D	
Common Stock	05/09/2006		M	2,500	A	\$ 44.76	5,000	D	
Common Stock	05/09/2006		M	2,500	A	\$ 40.24	7,500	D	
Common Stock	05/09/2006		S	2,500	D	\$ 48.45	5,000	D	
Common Stock	05/09/2006		S	2,500	D	\$ 48.68	2,500	D	

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Common Stock 05/09/2006 S 2,500 D $^{\$}_{48.83}$ 0 D Common Stock-Restricted 1,000 D Stock Units $^{(1)}$

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.

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. Transactio Code (Instr. 8)	nsaction of Derivative I le Securities (Expiration Date		7. Title and A Underlying S (Instr. 3 and A	Sec
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	A on N of
Non-Qualified Stock Option (right to buy)	\$ 40.24	05/09/2006		M		2,500	05/11/2005	05/11/2015	Common Stock	2
Non-Qualified Stock Option (right to buy)	\$ 40.68	05/09/2006		M		2,500	10/18/2004	10/18/2014	Common Stock	,
Non-Qualified Stock Option (right to buy)	\$ 44.76	05/09/2006		M		2,500	01/25/2005	01/25/2015	Common Stock	,
Non-Qualified Stock Option (right to buy)	\$ 47.86						05/02/2006	05/02/2013	Common Stock	
Non-Qualified Stock Option (right to buy)	\$ 49.99						11/04/2005	11/04/2012	Common Stock	
Non-Qualified Stock Option (right to buy)	\$ 51.35						08/02/2005	08/02/2012(2)	Common Stock	,
Non-Qualified Stock Option	\$ 51.98						01/31/2006	01/31/2013	Common Stock	

(right to buy)

Non-Qualified

Stock Option \$ 59.44 (right to buy)

11/05/2003

11/05/2013

Common Stock

Reporting Owners

Reporting Owner Name / Address	Relationships							
Reporting Owner Name / Address	Director	10% Owner	Officer	Other				
MARKS MICHAEL E								
C/O KLA-TENCOR CORPORATION	X							
160 RIO ROBLES	X							
SAN JOSE, CA 95130								

Signatures

By: Stuart J. Nichols For: Michael E. Marks

05/09/2006

**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) Each restricted stock unit represents a contingent right to receive one share of KLAC common stock.
- (2) Option expiration date was reported incorrectly on the original Form 4.

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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