Bell Bobby R Form 4 August 02, 2012

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB APPROVAL OMB

Washington, D.C. 20549

3235-0287 Number: January 31, Expires:

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF Estimated average burden hours per

response...

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

SECURITIES

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Bell Bobby R			2. Issuer Name and Ticker or Trading Symbol KLA TENCOR CORP [KLAC]	5. Relationship of Reporting Person(s) to Issuer		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check all applicable)		
C/O KLA-TENCOR CORPORATION, ONE TECHNOLOGY DRIVE			(Month/Day/Year) 07/31/2012	Director 10% Owner _X Officer (give title Other (specify below) Executive Vice President		

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

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

MILPITAS, CA 95035

(City)	(State)	(Zip) Tabl	le I - Non-l	Derivative	Secur	ities Acquir	ed, Disposed of,	or Beneficially	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securit corr Dispos (Instr. 3, 4	ed of		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 Stock	07/31/2012		M	17,000	A	\$ 47.95	30,945	D	
Common Stock	07/31/2012		M	542	A	\$ 34.67	31,487	D	
Common Stock	07/31/2012		S <u>(1)</u>	17,542	D	\$ 51.1468 (2)	13,945	D	
Common Stock - Restricted							85,700 (4)	D	

Stock Units (3)

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. Transactic Code (Instr. 8)	5. Number of or 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 Amour Underlying Securit (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amo or Num of Sh
Non-Qualified Stock Option (Right to Buy)	\$ 47.95	07/31/2012		M	17,000	(5)	09/26/2012	Common Stock	17,0
Non-Qualified Stock Option (Right to Buy)	\$ 34.67	07/31/2012		M	542	<u>(6)</u>	01/28/2013	Common Stock	54

Reporting Owners

Reporting Owner Name / Address	Relationships					
<u>.</u>	Director	10% Owner	Officer	Other		
Bell Bobby R C/O KLA-TENCOR CORPORATION ONE TECHNOLOGY DRIVE MILPITAS, CA 95035			Executive Vice President			

Signatures

Brian M. Martin as Attorney-In-Fact for Bobby R. Bell 08/02/2012

**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).

Reporting Owners 2

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- (1) This sale was effected pursuant to a Rule 10b5-1 trading plan adopted by the Reporting Person on May 30, 2012.
- This transaction was executed in multiple trades at prices ranging from \$51.00 to \$51.42. The price reported above reflects the weighted average sales price. The Reporting Person hereby undertakes to provide upon request to the SEC staff, the issuer or a security holder of the issuer, full information regarding the number of shares and prices at which the transaction was effected.
- (3) Each restricted stock unit ("RSU") represents a contingent right to receive one share of KLA-Tencor common stock.
- Does not include performance-based RSUs, if any, held by the Reporting Person for which an assessment has not yet been made regarding the achievement of the applicable performance goals. Any such holdings will be reported on Form 4 within two business days of the date such assessment is made.
- Represents a stock option granted on September 26, 2005, granting the Reporting Person the right to purchase up to 17,000 shares of KLA-Tencor common stock. 3,400 of the shares subject to this stock option vested on September 26, 2006 and 1/48 of the remaining 13,600 shares subject to this stock option vested on the 13-month anniversary of the grant date and each monthly anniversary thereafter until September 26, 2010.
- Represents a stock option granted on January 28, 2003, granting the Reporting Person the right to purchase up to 6,500 shares of KLA-Tencor common stock. 1,300 of the shares subject to this stock option vested on November 8, 2003 and 1/48 of the remaining 5,200 shares subject to this stock option vested on December 8, 2003 and each monthly anniversary of such date thereafter until November 8, 2007.

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.