Weatherford Yvonne Form 4 March 03, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB 3235-0287

Number:

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obligations

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 may continue. 30(h) of the Investment Company Act of 1940 See Instruction

(Print or Type Responses)

1(b).

1. Name and Address of Reporting Person * Weatherford Yvonne

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

APPLIED MATERIALS INC /DE [AMAT]

(Check all applicable)

VP, Corporate Controller

(Last) (First) (Middle)

(Street)

(State)

3. Date of Earliest Transaction (Month/Day/Year) 03/01/2010

Director 10% Owner Other (specify X_ Officer (give title below)

C/O APPLIED MATERIALS, INC., P.O. BOX 58039, 3050 BOWERS AV, M/S 2023

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year)

(Zin)

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

SANTA CLARA, CA 95054

(City)

(City)	(State)	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)	Code (Instr. 8)	ransactiom Disposed of (D) ode (Instr. 3, 4 and 5) instr. 8) (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 Stock	03/01/2010		Code V M	Amount 10,000	(D)	Price \$ 11.75	207,290 (1)	D		
Common Stock	03/01/2010		S	10,000	D	\$ 12.4302	197,290 (1)	D		
Common Stock	03/01/2010		M	14,000	A	\$ 11.75	211,290 (1)	D		
Common Stock	03/01/2010		S	14,000	D	\$ 12.4302	197,290 (1)	D		
							3,876.701 (2)	I		

Common	By the
Stock	401(k)
	Plan

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)	orDerivative		ve Expiration Date es (Month/Day/Year) d (A) seed of		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Employee Stock Option (right to buy)	\$ 11.75	03/01/2010		M		10,000	07/15/2004	03/12/2010	Common Stock	10,000
Employee Stock Option (right to buy)	\$ 11.75	03/01/2010		M		14,000	07/15/2007	03/12/2010	Common Stock	14,000

Reporting Owners

Reporting Owner Name / Address		Relationships				
	Director	10% Owner	Officer	Other		

Weatherford Yvonne C/O APPLIED MATERIALS, INC. P.O. BOX 58039, 3050 BOWERS AV, M/S 2023 SANTA CLARA, CA 95054

VP, Corporate Controller

Signatures

/s/ Charmaine Mesina,

Attorney-in-Fact 03/03/2010

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**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).
 - Increased number of shares reflects periodic payroll acquisitions under Employees' Stock Purchase Plan that are exempt under Rule 16a-10 and Rule 16b-3. Number of shares also includes 94,500 performance shares (restricted stock units) previously reported that in the
- future will be converted on a one-for-one basis into shares of Applied Materials, Inc. common stock upon vesting, which vesting is scheduled to occur as follows: (a) 19,500 performance shares are scheduled to vest on 8/31/10, (b) 25,000 performance shares are scheduled to vest in two equal annual installments beginning 8/31/10; and (c) 50,000 performance shares are scheduled to vest in four equal annual installments beginning 2/1/11 (all vesting is subject to continued employment through each vest date).
- (2) Increased number of shares reflects periodic payroll acquisitions under the 401(k) Plan that are exempt under Rule 16b-3.

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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