FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

	of Section So(n) of the investment Company Act of 1940					
1. Name and Address of Reporting Person*	2. Issuer Name and Ticker or Trading Symbol MINERALS TECHNOLOGIES INC [MTX	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
CHOLMONDELEY PAULA H		X Director 10% Owner				
(Last) (First) (Middle)		Officer (give title Other (specify below) below)				
MINERALS TECHNOLOGIES INC. 405 LEXINGTON AVENUE	3. Date of Earliest Transaction (Month/Day/Year) 05/25/2005					
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line)				
(Street) NEW YORK NY 10174		X Form filed by One Reporting Person				
		Form filed by More than One Reporting Person				
(City) (State) (Zip)						

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

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)			Disposed Of (D) (Instr. 3, 4 and			5. Amount of Securities Beneficially Owned Following Reported	Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(1130. 4)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

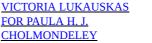
	(eigi, pare, care, marane, optione, convertible cocartico)														
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transa Code (8)		of		6. Date Exerc Expiration Da (Month/Day/\	ate	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
PHANTOM STOCK UNITS	\$0 ⁽¹⁾	05/25/2005	05/25/2005	A		500		(2)	(2)	COMMON STOCK	500	\$66.95	1,047.058	D	

Explanation of Responses:

1. EACH PHANTOM STOCK UNIT, WHEN REDEEMED, WILL HAVE THE VALUE OF ONE SHARE OF THE COMPANY'S COMMON STOCK ON THE FIRST BUSINESS DAY OF THE MONTH IN WHICH PAYMENT IS MADE.

2. THE PHANTOM STOCK UNITS REPRESENT DIVIDENDS ACCRUED UNDER THE MINERALS TECHNOLOGIES INC. NON-FUNDED DEFERRED COMPENSATION AND UNIT AWARD PLAN FOR NON-EMPLOYEE DIRECTOR'S AND ARE TO BE SETTLED IN CASH UPON THE REPORTING PERSON'S RETIREMENT.

Remarks:



05/27/2005

Date

** Signature of Reporting Person

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

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

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 Number.

OMB APPROVAL

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