TEXAS INSTRUMENTS INC

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

Form 5

February 14, 2005

OMB APPROVAL FORM 5 **OMB** UNITED STATES SECURITIES AND EXCHANGE COMMISSION 3235-0362 Number: Washington, D.C. 20549 Check this box if January 31, Expires: no longer subject 2005 to Section 16. Estimated average ANNUAL STATEMENT OF CHANGES IN BENEFICIAL Form 4 or Form burden hours per 5 obligations OWNERSHIP OF SECURITIES response... 1.0 may continue. See Instruction Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, 1(b). Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section Reported 30(h) of the Investment Company Act of 1940 Form 4 Transactions Reported 1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading 5. Relationship of Reporting Person(s) to Issuer SANDERS WAYNE R Symbol TEXAS INSTRUMENTS INC (Check all applicable) [TXN] (Middle) 3. Statement for Issuer's Fiscal Year Ended (Last) (First) _X_ Director 10% Owner Officer (give title Other (specify (Month/Day/Year) below) below) 12/31/2004 P.O. BOX 612687. P.O. BOX 612687 (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Reporting Filed(Month/Day/Year) (check applicable line) DALLAS. TXÂ 75261 _X_ Form Filed by One Reporting Person Form Filed by More than One Reporting (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 5. Amount of 6. Ownership 7. Nature of 2. Transaction Date 2A. Deemed 4. Securities Security (Month/Day/Year) Execution Date, if Transaction Acquired (A) or Securities Form: Direct Indirect (Instr. 3) Code Disposed of (D) Beneficially (D) or Beneficial (Month/Day/Year) (Instr. 8) (Instr. 3, 4 and 5) Owned at end Indirect (I) Ownership of Issuer's (Instr. 4) (Instr. 4) (A) Fiscal Year or (Instr. 3 and 4) (D) Price Amount Common Â Â Â Â Â Â Â 15.200 D Stock Common By Â Â Â Â Â Â 400 (1) Ι Stock Daughter

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(9-02)

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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)		ate	7. Title and A Underlying S (Instr. 3 and	Securities	8. Pr Deri Secu (Inst
					(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Units	\$ 1 <u>(2)</u>	Â	Â	Â	Â	(3)	(3)	Common Stock	1,293.45	

Reporting Owners

Reporting Owner Name / Address	Relationships						
· · · · · · · · · · · · · · · · · · ·	Director	10% Owner	Officer	Othe			
SANDERS WAYNE R							
P.O. BOX 612687	ÂΧ	Â	â	â			
P.O. BOX 612687	AA	A	А	Α			
DALLAS, TX 75261							

Signatures

CYNTHIA H. HAYNES, ATTORNEY IN 62/14/2005

**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) Beneficial ownership by reporting person disclaimed.
- (2) Security converts to common stock on a one-for-one basis.
- Stock units credited under the Texas Instruments 2003 Director Compensation Plan, to be settled in common stock of the Issuer following (3) the reporting person's termination of service as a director of the Issuer. End of period holdings include stock units acquired pursuant to the dividend reinvestment provision of the Plan.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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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