## FORM 4

obligations may continue. See Instruction 1(b).

Check this box if no longer subject to Section 16. Form 4 or Form 5

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

| Washington, | D.C. | 20549 |
|-------------|------|-------|
|             |      |       |

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| 1. Name and Address of Reporting Person* <u>ADAMS JAMES R</u>                           |       |  |  | 2. Issuer Name and Ticker or Trading Symbol TEXAS INSTRUMENTS INC [ TXN ] |   |  |                                   |   |   |        |                     |       |                         |  |   | olicable)  | g Person(s) to I<br>10% (                           |                |                         |  |
|---|-------|--|--|---|---|--|-----------------------------------|---|---|--------|---------------------|-------|-------------------------|--|---|--|---|----------------|-------------------------|--|
| (Last)<br>12500 TI  | (Fi   | · ·  | Middle)  |   | 3. Date of Earliest Transaction (Month/Day/Year) 08/09/2005         |  |                                   |   |   |        |                     |       |                         |  |   | Officer (give title below)   |   | Other<br>below | (specify<br>)           |  |
| (Street)  | S T2  | ζ 5  | 75243  |   | 4. If Amendment, Date of Original Filed (Month/Day/Year) 08/10/2005 |  |                                   |   |   |        |                     |       |                         |  | . Indivi<br>ine)<br>X   | ,  |   |                |                         |  |
| (City)  | (St   |  | Zip)   | n Davis   | -41   |  |                                   |   |   | Dia    |                     | -     | . Dav                   |  | -11   | 2  | - al  |                |                         |  |
| 1. Title of Security (Instr. 3)   |       | 2. Transaction<br>Date<br>(Month/Day/Year) |  | ır) i   | 2A. Deemed<br>Execution Date,                                       |  | 3.<br>Transaction<br>Code (Instr. |   |   |        |                     |       | or 5.<br>4 and Se<br>Be |  | ount of<br>ities<br>icially<br>d Following                        | 6. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I) (Instr. 4)  | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership |                |                         |  |
|   |       |  |  |   |   |  | Code                              | v | Amount  |        | (A) or<br>(D)       | Price |                         | Reported Transaction(s) (Instr. 3 and 4) |   |  | (Instr. 4)  |                |                         |  |
| Common Stock  |       |  | 08/09/   | 08/09/2005  |   |  |                                   | S |   | 10,000 | 0                   | D     | \$32                    | .19                                      | 255   | 5,396.17   | D   |                |                         |  |
| Common  | Stock |  |  |   |   |  |                                   |   |   |        |                     |       |                         |  |   | 4  | ,800(1)   | I              | By Son                  |  |
| Common  | Stock |  |  |   |   |  |                                   |   |   |        |                     |       |                         |  |   | 8,000(2)   |   | I              | By Trust                |  |
| Common  | Stock |  |  |   |   |  |                                   |   |   |        |                     |       |                         |  |   | 2,9  | 076.61 <sup>(3)</sup>                               | I              | By<br>Trust-<br>-401(k) |  |
| Common Stock  |       |  |  |   |   |  |                                   |   |   |        |                     |       | 455.91 <sup>(4)</sup>   |  | I   | By<br>Trust<br>PS  |   |                |                         |  |
|   |       | Та   |  | (e.g., pu   | ıts, c  |  |                                   | • |   |        | sed of,<br>onvertib |       |                         |  | y Ov  | vned   |   |                |                         |  |
| Derivative Conversion Date Execution Date, Security or Exercise (Month/Day/Year) if any |       | 4.<br>Transa<br>Code (<br>8)               | action (Instr. Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |   |   | 6. Date Exercisable and Expiration Date (Month/Day/Year) |                                   |   | Amount of<br>Securities<br>Underlying<br>Derivative<br>Security (Instr. 3<br>and 4) |        |                     | ıt    |                         |  | Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | 11. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |   |                |                         |  |

## **Explanation of Responses:**

- 1. Beneficial ownership by reporting person disclaimed.
- 2. Shares held in trust for the benefit of family members of which reporting person is trustee. Beneficial ownership by reporting person disclaimed.
- 3. Estimated shares attributable to TI 401(k) Account as of 12-31-04. (Interests in this account are denominated in units. Consequently, share amount shown is an estimate.) This statement does not include changes in beneficial ownership of shares held in this account occurring after 12-31-04 that are eligible for deferred reporting on Form 5.
- 4. Estimated shares attributable to TI Universal Profit Sharing account as of 12-31-04. (Interests in this account are denominated in units. Consequently, share amount shown is an estimate.) This statement does not include changes in beneficial ownership of shares held in such account occurring after 12-31-04 that are eligible for deferred reporting on Form 5.

JANE S. NAHRA 08/15/2005 ATTORNEY IN FACT

\*\* Signature of Reporting Person Date

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.