WULFF JOHN K Form 4 June 21, 2005

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

if no longer subject to Section 16. Form 4 or

Check this box

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

January 31, Expires: 2005 Estimated average

Form 5 obligations may continue.

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

burden hours per response... 0.5

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * **WULFF JOHN K**

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

SUNOCO INC [SUN]

(Check all applicable)

(Last)

1801 MARKET STREET

(First) (Middle) 3. Date of Earliest Transaction

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

06/17/2005

(Month/Day/Year)

(Street)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

Person

below)

PHILADELPHIA, PA 19103-1699

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3)

(Month/Day/Year)

4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (Instr. 4) (Instr. 4)

Reported (A) Transaction(s)

or (Instr. 3 and 4) Code V Amount (D) Price

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 Conversion Security or Exercise (Instr. 3) Price of

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if (Month/Day/Year)

5. Number of 4 TransactionDerivative Code Securities (Instr. 8) Acquired (A) or

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amount of **Underlying Securities** (Instr. 3 and 4)

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Derivative Disposed of (D) Security (Instr. 3, 4, and 5) Expiration Code V (A) Title (D) Date Amount Exercisable Date Number Shares Phantom Common Stock (1) 06/17/2005 $A^{(2)}$ 163,936 08/08/1988 08/08/1988 163.93

Stock

Reporting Owners

PHILADELPHIA, PA 19103-1699

Reporting Owner Name / Address

Director 10% Owner Officer Other

WULFF JOHN K

1801 MARKET STREET X

Signatures

Units

John J. DiRocco, Jr., Attorney-in-fact for John K.
Wulff

06/21/2005

**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).
- (2) Crediting of share units representing voluntary deferred compensation pursuant to the Sunoco, Inc. Directors Deferred Compensation Plan, in transactions exempt under Rule 16b-3(d).
- (1) The conversion rate is 1 for 1.
- (3) Total of 2,510.744 share units beneficially owned following reported transaction.

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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