

WULFF JOHN K  
 Form 4  
 December 14, 2010

**FORM 4**

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

OMB APPROVAL

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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 OF SECURITIES**

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

(Print or Type Responses)

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

(Last) (First) (Middle)  
 1735 MARKET STREET  
 (Street)

PHILADELPHIA, PA 19103-7583  
 (City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
**SUNOCO INC [SUN]**

3. Date of Earliest Transaction  
 (Month/Day/Year)  
 12/10/2010

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**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)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	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 Ownership Indirect Beneficial Ownership (Instr. 4)
				(A) or (D)	Code V Amount (D) Price		

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	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)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Underlying Securities (Instr. 3 and 4)
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Derivative Security			or Disposed of (D) (Instr. 3, 4, and 5)		Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
			Code	V					
Deferred Share Units	(1)	12/10/2010	A	18.135	(2)	(2)	Common Stock	18.135	\$ 4
Phantom Stock	(1)	12/10/2010	A	69.628	(2)	(2)	Common Stock	69.628	\$ 4
Phantom Stock	(1)	12/10/2010	A	844	(2)	(2)	Common Stock	844	\$ 4

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
WULFF JOHN K 1735 MARKET STREET PHILADELPHIA, PA 19103-7583	X			

## Signatures

/s/ John J. DiRocco, Jr.,  
Attorney-in-Fact

12/14/2010

\*\*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) Conversion rate is 1 for 1.

(2) Not Applicable

(3) Total of 4,854.969 Restricted Share Units beneficially owned following reported transaction (3.806 Restricted Share Units under Sunoco, Inc.'s Directors' Deferred Compensation Plan I and 14.329 Restricted Share Units under Sunoco, Inc.'s Directors' Deferred Compensation Plan II).

(4) Total of 18,640.378 Phantom Stock Units beneficially owned following reported transaction (14.039 Phantom Stock Units under Sunoco, Inc.'s Directors' Deferred Compensation Plan I and 55.589 Phantom Stock Units under Sunoco, Inc.'s Directors' Deferred Compensation Plan II).

(5) Total of 19,484.378 Phantom Stock Units under Sunoco, Inc.'s Directors' Deferred Compensation Plan II, 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.

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