Elsenhans Lynn Laverty Form 5 February 14, 2012

FORM 5

OMB APPROVAL

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

OMB 3235-0362 Number: January 31,

2005

no longer subject to Section 16. Form 4 or Form 5 obligations

Check this box if

Expires: Estimated average

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

burden hours per 1.0 response...

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

Form 4

(Last)

30(h) of the Investment Company Act of 1940

Transactions Reported

1. Name and Address of Reporting Person *

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

Elsenhans Lynn Laverty

SUNOCO INC [SUN]

12/31/2011

3. Statement for Issuer's Fiscal Year Ended

(Check all applicable)

(Month/Day/Year)

X Director

10% Owner _X__ Officer (give title Other (specify

(Middle)

below) below) CEO/President

1818 MARKET STREET, SUITE 1500

(Street)

(First)

4. If Amendment, Date Original

6. Individual or Joint/Group Reporting

Filed(Month/Day/Year)

(check applicable line)

PHILADELPHIA, Â PAÂ 19103-7583

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 2A. Deemed (Month/Day/Year) Execution Date, if (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 at end of Issuer's Fiscal Year

6. Ownership 7. Nature of Form: Direct (D) or Indirect (I)

(Instr. 4)

Indirect Beneficial Ownership (Instr. 4)

or

Amount (D) Price

(A)

(Instr. 3 and 4)

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

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SEC 2270 (9-02)

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

1. Title of Derivative		3. Transaction Date (Month/Day/Year)		4. Transaction		6. Date Exercisable and Expiration Date	7. Title and Amount of Underlying Securities
Security (Instr. 3)	or Exercise Price of	, ,	any (Month/Day/Year)	Code (Instr. 8)	Securities Acquired (A)	(Month/Day/Year)	(Instr. 3 and 4)

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Derivative or Disposed of Security (D) (Instr. 3, 4, and 5) Expiration Title (A) (D) Date Amount Exercisable Date or Number of Shares Deferred Common 13,491 \hat{A} \hat{A} $\frac{(3)}{(3)}$ Share Â 12/30/2011 Â J4 (2) $\hat{A}^{(3)}$ 13,491 Stock Units

Reporting Owners

Reporting Owner Name / Address	Kelationships				
2	Director	10% Owner	Officer	Other	
Elsenhans Lynn Laverty					
1818 MARKET STREET	ÂΧ	â	CEO/President	â	
SUITE 1500	АЛ	А	A CEO/Flesidelli	A	
PHILADELPHIA, PA 19103-7583					

Signatures

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

02/14/2012

**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) Routine, quarterly crediting of Share Units and related dividend equivalents, pursuant to the Sunoco, Inc. Executive Involuntary Deferred Compensation Plan in transaction exempt under Rule 16(b).
- (3) Not Applicable
- (4) Price ranged from \$38.54 to \$42.28 during fiscal year 2011.

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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