

Scargle Thomas J
 Form 3
 July 23, 2009

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF 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 *			2. Date of Event Requiring Statement		3. Issuer Name and Ticker or Trading Symbol	
Â Scargle Thomas J			(Month/Day/Year)		SUNOCO INC [SUN]	
(Last)	(First)	(Middle)	07/23/2009		4. Relationship of Reporting Person(s) to Issuer	
1735 MARKET STREET					5. If Amendment, Date Original Filed(Month/Day/Year)	
(Street)					(Check all applicable)	
PHILADELPHIA,Â PAÂ 19103					6. Individual or Joint/Group Filing(Check Applicable Line)	
(City)	(State)	(Zip)			<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below) Vice President	
					<input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person	

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	285	D	Â
Common Stock	4,667.106	I	ESOP Trust ⁽¹⁾

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

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.

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative	5. Ownership Form of Derivative Security:	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Security	Direct (D) or Indirect (I) (Instr. 5)	
Common Stock Unit ⁽²⁾	Â ⁽³⁾	Â ⁽³⁾	Common Stock	1,500	\$ ⁽⁴⁾	D	Â
Stock Options (Right to Buy) ⁽⁵⁾	12/06/2008	12/06/2016	Common Stock	2,400	\$ 68.43	D	Â
Stock Options (Right to Buy) ⁽⁵⁾	12/04/2009	12/05/2017	Common Stock	2,600	\$ 63.98	D	Â
Stock Options (Right to Buy) ⁽⁵⁾	12/03/2010	12/03/2018	Common Stock	4,300	\$ 35.29	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Scargle Thomas J 1735 MARKET STREET PHILADELPHIA, PA 19103	Â	Â	Â Vice President	Â

Signatures

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

07/23/2009

__Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(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) Routine, periodic acquisition of share equivalents pursuant to the Sunoco, Inc. Capital Accumulation Plan in transactions exempt under Rule 16(b). This information is provided by the Plan Administrator.

Special one-time retention-based common stock units awarded in 2007 pursuant to the Sunoco, Inc. Long-Term Performance
 - (2) Enhancement Plan II ("LTPEP II") in a transaction exempt under Rule 16b-3. Payout of these common stock units is contingent upon the continued employment of the respective recipient with the Company through December 5, 2010.
 - (3) Not Applicable
 - (4) Conversion rate is 1 for 1.
 - (5) Stock Options (right to buy Sunoco, Inc. common stock) exercisable two years from the date of grant, pursuant to the Sunoco, Inc. Long-Term Performance Enhancement Plan II ("LTPEP II"), in a transaction exempt under Rule 16b-3.

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.