

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

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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>Peterson Gregory J</u> (Last) (First) (Middle) <u>5241 SPRING MOUNTAIN ROAD</u> (Street) <u>LAS VEGAS NV 89150</u> (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>08/11/2010</u>	3. Issuer Name and Ticker or Trading Symbol <u>SOUTHWEST GAS CORP [SWX]</u> 4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input type="checkbox"/> 10% Owner <input type="checkbox"/> <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Vice President/CAO</u> 5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person
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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	6,139.5228	D	
Common Stock	6,458.142	I	By 401(k)

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 Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Stock Option (right to buy)	07/26/2006	07/25/2015	Common Stock	800	26.1	D	
Stock Option (right to buy)	07/26/2007	07/25/2015	Common Stock	600	26.1	D	
Stock Option (right to buy)	07/26/2008	07/25/2015	Common Stock	600	26.1	D	
Stock Option (right to buy)	08/01/2007	07/31/2016	Common Stock	520	33.07	D	
Stock Option (right to buy)	08/01/2008	07/31/2016	Common Stock	390	33.07	D	
Stock Option (right to buy)	08/01/2009	07/31/2016	Common Stock	390	33.07	D	

Explanation of Responses:

Remarks:

Karen W. Stanfield, POA

08/19/2010

** 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 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).

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.