

TOTAL SA  
Form 11-K  
June 24, 2005

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

**FORM 11-K**

**ANNUAL REPORT PURSUANT TO SECTION 15(d) OF THE  
SECURITIES EXCHANGE ACT OF 1934**

þ **ANNUAL REPORT PURSUANT TO SECTION 15(d)  
OF THE SECURITIES EXCHANGE ACT OF 1934  
For the fiscal year ended December 31, 2004**

**or**

o **TRANSITION REPORT PURSUANT TO SECTION 15(d)  
OF THE SECURITIES EXCHANGE ACT OF 1934  
For the transition period from \_\_\_\_\_ to \_\_\_\_\_**

**Commission file number 1-10888**

**ATOFINA CAPITAL ACCUMULATION PLAN**

**15710 JFK Boulevard  
Houston, Texas 77032**

**TOTAL S.A.**

**2 place de la Coupole  
La Defense 6  
92400 Courbevoie France  
Paris France**

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EX-23.1: CONSENT

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**Report of Independent Registered Public Accounting Firm**

The Administrative Committee  
ATOFINA Capital Accumulation Plan:

We have audited the accompanying statements of net assets available for plan benefits of the ATOFINA Capital Accumulation Plan (the Plan) as of December 31, 2004 and 2003 and the related statements of changes in net assets available for plan benefits for the years then ended. These financial statements are the responsibility of the Plan's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the net assets available for plan benefits of the Plan as of December 31, 2004 and 2003 and the changes in net assets available for plan benefits for the years then ended in conformity with U.S. generally accepted accounting principles.

Our audits were performed for the purpose of forming an opinion on the basic financial statements taken as a whole. The supplemental schedule H, line 4i schedule of assets (held at end of year) as of December 31, 2004 is presented for purposes of additional analysis and is not a required part of the basic financial statements but is supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974. This supplemental schedule is the responsibility of the Plan's management. The supplemental schedule has been subjected to the auditing procedures applied in the audit of the basic financial statements, and in our opinion, is fairly stated, in all material respects, in relation to the basic financial statements taken as a whole.

/s/ KPMG LLP

Houston, Texas  
June 23, 2005

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**A TOFINA CAPITAL ACCUMULATION PLAN**  
**Statements of Net Assets Available for Plan Benefits**

December 31, 2004 and 2003

	<b>2004</b>	<b>2003</b>
Investments, at fair value	\$ 289,884,776	247,963,465
Employer contributions receivable	5,336	6,288
Due from Trustee for securities sold		1,436,853
Accrued interest receivable	90,974	46,032
Accrued dividends receivable	816,521	443,336
Plan assets	290,797,607	249,895,974
Administrative expenses payable	(101,956)	(58,917)
Net assets available for plan benefits	\$ 290,695,651	249,837,057

See accompanying notes to financial statements.

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**ATOFINA CAPITAL ACCUMULATION PLAN**  
**Statements of Changes in Net Assets Available for Plan Benefits**

Years ended December 31, 2004 and 2003

	<b>2004</b>	<b>2003</b>
Contributions:		
Employee	\$ 9,960,333	9,710,484
Employer	5,853,540	5,736,843
Rollovers	698,576	274,825
Total contributions	16,512,449	15,722,152
Investment income:		
Interest	1,152,913	916,109
Dividends	5,328,491	3,342,770
Net appreciation in fair value of American Depositary Shares and Warrants	22,344,452	27,968,079
Net appreciation in fair value of mutual funds	5,720,324	10,502,619
Net appreciation in fair value of common collective trust funds	2,980,867	5,138,409
Total investment income	37,527,047	47,867,986
Payments to participants	(12,876,880)	(13,641,336)
Administrative expenses	(304,022)	(289,422)
Net increase in net assets available for plan benefits	40,858,594	49,659,380
Net assets available for plan benefits:		
Beginning of year	249,837,057	200,177,677
End of year	\$ 290,695,651	249,837,057

See accompanying notes to financial statements.

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**ATOFINA CAPITAL ACCUMULATION PLAN**

Notes to Financial Statements

December 31, 2004 and 2003

**(1) Description of the Plan**

**(a) General**

The ATOFINA Capital Accumulation Plan (the Plan) operates for the benefit of certain employees of TOTAL Petrochemicals USA, Inc., an indirectly wholly owned subsidiary of TOTAL S.A. (formerly Total Fina Elf S.A.) (the Company), a French company that is publicly traded on the New York Stock Exchange, hereafter referred to as the employing companies.

The Plan is a defined contribution plan and is subject to the provisions of the Employee Retirement Income Security Act of 1974, as amended (ERISA). The following description of the Plan is provided for general purposes only. Participants should refer to the Plan document as amended for more complete information.

The Plan is administered by an administrative committee (the Committee) appointed by and acting on behalf of the board of directors of the Company. Pursuant to the Plan's trust agreement, an independent trustee (the Trustee) maintains custody of the Plan's assets. Boston Safe Deposit and Trust Company serves as the Trustee, and Hewitt Associates LLC serves as the independent record keeper.

Effective May 6, 2003, Total Fina Elf S.A. changed its name to TOTAL S.A. In conjunction with the name change, Total Fina Elf S.A. American Depositary Shares (ADS) became TOTAL S.A. ADS.

**(b) Eligibility**

An employee is eligible to participate in the Plan immediately upon employment. However, no employee may become a participant if the employee is a member of a collective bargaining unit, the recognized representative of which has not agreed to participation in the Plan by members of such unit. Participants are eligible for Company matching contributions after one year of employment.

**(c) Contributions**

Participants may elect to contribute up to 15% on a pretax basis, up to 6% on an after-tax basis or a combination of pretax and after-tax contributions not exceeding 15% of their basic compensation. Eligible employees are automatically deemed to have made a pretax election of 6% unless the employee has affirmatively elected to make no pretax contributions or elected to make pretax contributions in a different amount. A participant may elect to change his or her election under the Plan on a daily basis. Participants who are age 50 or older before the close of the plan year may elect to make a catch-up contribution subject to certain limitations under the Internal Revenue Code of 1986, as amended (the Code) (\$2,000 and \$3,000 per participant in 2003 and 2004, respectively). Eligible participants may also elect to rollover qualified distributions as defined in the Plan document.

For each eligible participant, the employing company will contribute an amount up to 6% of the participant's basic compensation for the pay period (Matching Contribution). Participants must contribute a minimum of 3% pretax contributions before the Company will match after-tax contributions. The Company does not match

employee catch-up contributions. Matching Contributions are reduced by participants' forfeitures.

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**ATOFINA CAPITAL ACCUMULATION PLAN**

Notes to Financial Statements

December 31, 2004 and 2003

Employee contributions and matching contributions are paid to the Trustee in cash.

**(d) *Vesting Provisions***

Participants are vested immediately in their contributions plus actual earnings thereon. Effective January 1, 2001, active participants are 100% vested in Matching Contributions at all times.

**(e) *Investments***

Each participant's account is credited with his or her contribution, the Matching Contribution, and an allocation of plan earnings or losses and administrative expenses. Allocations are based on the proportion that each participant's account balance bears to the total of all participant account balances. The benefit to which a participant is entitled is the vested portion of the benefit that can be provided from the participant's account.

**(f) *Investment Options***

Participants may direct the investment of their existing account balance and all contributions into three mutual funds, three common collective trust funds, or TOTAL S.A. ADS. The TOTAL S.A. Warrants (Warrants) expired on August 5, 2003. Effective July 1, 2003, the Plan was amended to allow for all remaining investments in Warrants still held on or after July 29, 2003, to be exchanged for TOTAL S.A. ADS.

**(g) *Participant Loans***

A participant may borrow from his or her account an amount which, when added to the greater of the total outstanding balance of all other loans to such participant from the Plan or the highest outstanding balance of all such loans for the one-year period ending the day before the date of the loan, does not exceed the lesser of \$50,000 or 50% of the participant's vested account balance. Any such loan made to a participant shall be evidenced by a promissory note payable to the Plan, shall bear a reasonable rate of interest, shall be secured by the borrowing participant's vested interest under the Plan and shall be repayable within five years; provided, however, that if such loan is to be used to acquire or construct any dwelling unit which within a reasonable time is to be used as a principal residence of the participant, the Committee may direct the Trustee to make such loan repayable over such period greater than five years. No withdrawal pursuant to any of the withdrawal provisions of the Plan may be made by a participant to whom a loan is outstanding from the Plan unless the Committee is satisfied that such loan will remain nontaxable and fully secured by the withdrawing participant's vested interest under the Plan following such withdrawal. Interest rates range from 5% to 10.5% for the year ended December 31, 2004.

**(h) *Distributions and Forfeitures***

Upon termination of service for any reason, a participant may receive a lump-sum amount equal to the value of the participant's vested interest in his or her account. An active participant may withdraw after-tax contributions and Matching Contributions made before 1984 and earnings thereon. At any time, a participant age 59-1/2 or older may withdraw his or her total account. Participants had requested distributions in the

amount of \$46,603 and \$425,870 at December 31, 2004 and 2003, respectively, that had not yet been paid by the Trustee.

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**ATOFINA CAPITAL ACCUMULATION PLAN**

Notes to Financial Statements

December 31, 2004 and 2003

**(i) *Plan Termination***

Although they have not expressed any intent to do so, the employing companies have the right under the Plan to discontinue their contributions at any time and to terminate the Plan subject to the provisions of ERISA.

**(j) *Expenses of Administering the Plan***

All external costs and expenses incurred in administering the Plan, including the fees and expenses of the Trustee, the fees of its counsel, accounting fees, and record keeper fees, are the responsibility of the Plan.

**(2) Summary of Significant Accounting Policies**

**(a) *Basis of Accounting***

The accompanying financial statements have been prepared on the accrual basis of accounting in accordance with United States generally accepted accounting principles.

**(b) *Valuation of Investments***

Investments are reported at fair market value. The TOTAL S.A. ADS, and mutual funds are valued based upon quoted market prices. The common collective trust funds are stated at fair value, as determined by the assets trustee, by reference to published market data, if available, of the underlying assets. Participant loans are valued at cost, which approximates fair value. Security transactions are recorded on a trade date basis. Interest is recorded as earned, and dividends are recorded on the ex-dividend date.

Net appreciation in the fair value of investments includes realized gains (losses) on the sale of investments and unrealized appreciation (depreciation) in fair value of investments.

**(c) *Use of Estimates***

The preparation of financial statements in conformity with United States generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and changes therein and disclosure of contingent assets and liabilities. Actual results could differ from those estimates.

**(d) *Payment of Benefits***

Payment to participants are recorded as the benefits are paid.

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**Table of Contents****ATOFINA CAPITAL ACCUMULATION PLAN**

Notes to Financial Statements

December 31, 2004 and 2003

**(3) Investments**

The fair market values of individual assets that represent 5% or more of the Plan's net assets at December 31, 2004 and 2003 are as follows:

2004:	
Balanced Fund	\$ 18,929,064
Emerging Leaders Fund	19,809,097
Equity Index Fund H	28,261,805
New Perspective Fund	23,945,187
Pooled Employee Funds Daily Liquidity Fund	58,511,190
TOTAL S.A. ADS	124,522,862
2003:	
Balanced Fund	\$ 16,896,914
Emerging Leaders Fund	15,435,662
Equity Index Fund H	24,118,104
New Perspective Fund	21,216,859
Pooled Employee Funds Daily Liquidity Fund	56,294,594
TOTAL S.A. ADS	98,784,861

**(4) TOTAL S.A. ADS**

Effective April 1, 2005, each participant is entitled to exercise voting rights attributable to the TOTAL S.A. ADS allocated to his or her account and is notified by the Trustee prior to the time that such rights are to be exercised. If the participant does not direct the Trustee as to the voting of the TOTAL S.A. ADS, the Trustee will vote the TOTAL S.A. ADS in the same proportion as the votes received by the Trustee. Prior to April 1, 2005, the Trustee was responsible for voting the shares.

**(5) Concentration of Investments**

The Plan's investment in TOTAL S.A. ADS represents 43% and 40% of total investments as of December 31, 2004 and 2003, respectively. The Company is an international integrated oil and gas and specialty chemical company which engages in all areas of the petroleum industry, from exploration and production to refining and shipping.

**(6) Federal Income Taxes**

The Plan has obtained from the Internal Revenue Service a determination letter dated October 30, 2002 indicating that the Plan qualifies under the provision of Section 401(a) of the Code and, accordingly, is exempt from federal income taxes under Section 501(a) of the Code. The Plan has been amended since receiving the letter; however, the Company believes that the Plan is designed and continues to operate in accordance with the applicable provisions of the Code at December 31, 2004 and 2003.

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Notes to Financial Statements

December 31, 2004 and 2003

**(7) Reconciliation to Form 5500**

The following is a reconciliation of net assets available for plan benefits per the financial statements to the Form 5500:

	<b>2004</b>	<b>2003</b>
Net assets available for plan benefits per the financial statements	\$ 290,695,651	249,837,057
Amounts allocated to withdrawing participants	(46,603)	(425,870)
Net assets available for plan benefits per the Form 5500	\$ 290,649,048	249,411,187

The following is a reconciliation of withdrawals per the financial statements to the Form 5500:

	<b>Year ended December 31</b>	
	<b>2004</b>	<b>2003</b>
Payments to participants per the financial statements	\$ 12,876,880	13,641,336
Add amounts allocated to withdrawing participants at December 31, 2004 and 2003, respectively	46,603	425,870
Less amounts allocated to withdrawing participants at December 31, 2003 and 2002, respectively	(425,870)	(8,244)
Payments to participants per the Form 5500	\$ 12,497,613	14,058,962

Amounts allocated to withdrawing participants are recorded on the Form 5500 for withdrawals that have been processed and approved for payment prior to December 31, but not yet paid as of that date.

**(8) Risks and Uncertainties**

The Plan provides for investments in TOTAL S.A. ADS, mutual funds, and common collective trust funds. Investment securities, in general, are exposed to various risks, such as interest rate, credit, and overall market volatility risk. Due to the level of risk associated with certain investment securities, it is reasonably possible that significant changes in the values of investment securities will occur in the near term.

**(9) Party-in-Interest Transactions**

The Plan engages in investment transactions with funds managed by The Boston Company, Inc., an affiliate of the Trustee and is therefore considered a party in interest with respect to the Plan. In addition, the Plan invests in TOTAL S.A. ADS which are shares and units of Company securities. The Company is the parent of the sponsor of the Plan; therefore, these transactions qualify as party-in-interest transactions. These transactions are covered by an exemption from the prohibited transaction provisions of ERISA and the Code.

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**A TOFINA CAPITAL ACCUMULATION PLAN**

Notes to Financial Statements

December 31, 2004 and 2003

**(10) Subsequent Event**

Effective April 1, 2005 the Plan assets were transferred from the Boston Safe Deposit and Trust Company to Fidelity Management Trust Company and the recordkeeping responsibilities for the Plan were transferred from Hewitt Associates LLC to Fidelity Investments Institutional Operations Company, Inc. Also effective April 1, 2005, participants are eligible to elect to contribute up to 30% of compensation and participants are limited to receiving one loan per 90-day period. In conjunction with the change in trustees, the existing investment elections were replaced with the following investment elections, Fidelity Managed Income Portfolio, Fidelity Capital Appreciation Fund, Fidelity Diversified International Fund, Fidelity Freedom Income Fund, Fidelity Freedom 2010 Fund, Fidelity Freedom 2020 Fund, Fidelity Freedom 2030 Fund, Fidelity Freedom 2040 Fund, Vanguard Total Bond Market Index Fund, Vanguard Institutional Index Fund, American Funds The Growth of American Fund, American Beacon Large Cap Value Fund, American Beacon Small Cap Value Fund, Hotchkis Wiley Mid Cap Value Fund, Calamos Growth Fund, Oppenheimer Developing Markets Fund, Third Avenue Real Estate Value Fund, and the Royce Premier Fund. Participant investments in TOTAL S.A. ADS and participant loans were not effected by the change.



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**ATOFINA CAPITAL ACCUMULATION PLAN**  
 Schedule H, Line 4i Schedule of Assets (Held at End of Year)

December 31, 2004

<b>Identity of issue</b>	<b>Description of investment</b>	<b>Current value</b>
TOTAL S.A.*	American Depository Shares	\$ 124,522,862
American Funds, Inc.	Balanced Fund	18,929,064
American Funds, Inc.	New Perspective Fund	23,945,187
Dreyfus Funds	Emerging Leaders Fund	19,809,097
Barclays Global Investors	Equity Index Fund H	28,261,805
Barclays Global Investors	U.S. Debt Market Index Fund	7,821,688
The Boston Company, Inc.*	Pooled Employee Funds Daily Liquidity Fund	58,511,190
Barclays Global Investors	Cash	268
Participant loans*	Interest rates ranging from 5% to 10.5%	8,083,615
		\$ 289,884,776

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\* Indicates a party in interest.

See accompanying report of independent registered public accounting firm.

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**SIGNATURE**

*The Plan.* Pursuant to the requirements for the Securities Exchange Act of 1934, the Administrative committee has duly caused this annual report to be signed on its behalf by the undersigned thereunto duly authorized.

ATOFINA CAPITAL ACCUMULATION  
PLAN

Dated: June 23, 2005

/s/ Carolyn Sanders  
Carolyn Sanders, Vice President and  
Chairman, Administrative Committee

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**INDEX TO EXHIBIT**

<b>Exhibit Number</b>	<b>Description</b>
23.1	Consent of Independent Registered Public Accounting Firm