

Appendix B

Detailed Statistical Tables

Table B1. Selected U.S. Operating Statistics for FRS Companies and U.S. Industry, 1996-2002

| Operating Statistics | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|---|----------|----------|----------|----------|----------|----------|----------|
| Petroleum and Natural Gas | | | | | | | |
| Net Production | | | | | | | |
| Crude Oil and Natural Gas Liquids (million barrels) | | | | | | | |
| FRS Companies | 1,532.4 | 1,458.8 | 1,388.8 | 1,305.7 | 1,267.9 | 1,363.2 | 1,346.4 |
| U.S. Industry ¹ | 3,023.0 | 3,002.0 | 2,824.0 | 2,848.0 | 2,801.0 | 2,805.0 | 2,759.0 |
| FRS as a Percent of U.S. Industry | 50.7 | 48.6 | 49.2 | 45.8 | 45.3 | 48.6 | 48.8 |
| Natural Gas (billion cubic feet) | | | | | | | |
| FRS Companies | 8,191.6 | 8,299.1 | 8,395.9 | 7,994.1 | 8,340.1 | 8,838.0 | 8,712.5 |
| U.S. Industry ¹ | 18,861.0 | 19,211.0 | 18,720.0 | 18,928.0 | 19,219.0 | 19,779.0 | 19,353.0 |
| FRS as a Percent of U.S. Industry | 43.4 | 43.2 | 44.8 | 42.2 | 43.4 | 44.7 | 45.0 |
| Net Imports | | | | | | | |
| Crude Oil and Natural Gas Liquids (million barrels) | | | | | | | |
| FRS Companies | 565.7 | 571.1 | 634.7 | 474.9 | 324.1 | 716.1 | 630.5 |
| U.S. Industry ¹ | 2,946.6 | 3,191.0 | 3,358.5 | 3,366.4 | 3,527.0 | 3,620.1 | 3,523.2 |
| FRS as a Percent of U.S. Industry | 19.2 | 17.9 | 18.9 | 14.1 | 9.2 | 19.8 | 17.9 |
| Refinery Capacity (thousand barrels per day) | | | | | | | |
| FRS Companies | 10,477.0 | 9,410.0 | 14,277.0 | 14,158.0 | 14,424.0 | 14,682.0 | 14,557.0 |
| U.S. Industry ¹ | 16,031.8 | 16,128.7 | 16,567.0 | 16,787.0 | 17,177.4 | 17,367.4 | 17,338.9 |
| FRS as a Percent of U.S. Industry | 65.4 | 58.3 | 86.2 | 84.3 | 84.0 | 84.5 | 84.0 |
| Refinery Output ² (thousand barrels per day) | | | | | | | |
| FRS Companies | 10,954.0 | 10,030.0 | 14,929.0 | 14,639.0 | 14,499.0 | 15,022.0 | 14,761.0 |
| U.S. Industry ¹ | 16,800.7 | 17,234.3 | 17,499.6 | 17,493.1 | 17,763.2 | 17,688.9 | 17,654.5 |
| FRS as a Percent of U.S. Industry | 65.2 | 58.2 | 85.3 | 83.7 | 81.6 | 84.9 | 83.6 |
| Coal Production | | | | | | | |
| (million tons) | | | | | | | |
| FRS Companies | 169.4 | 163.3 | 73.9 | 44.0 | 35.5 | 33.0 | 29.3 |
| U.S. Industry ¹ | 1,063.9 | 1,089.9 | 1,117.5 | 1,100.4 | 1,073.6 | 1,127.7 | 1,093.3 |
| FRS as a Percent of U.S. Industry | 15.9 | 15.0 | 6.6 | 4.0 | 3.3 | 2.9 | 2.7 |

¹ U.S. area is defined to include the 50 States, District of Columbia, U.S. Virgin Islands, and Puerto Rico.

² For FRS companies, includes refinery output at own refineries for own account and at others' refineries for own account.

Note: The data for total U.S. production of crude oil and natural gas liquids and natural gas (dry) utilized in this report are taken from Energy Information Administration, Form EIA-23 (Annual Survey of Domestic Oil and Gas Reserves); see U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves 2002 Annual Report November 2003). This source is utilized in order to preserve consistency between production reported in the context of oil and gas reserves and reserve additions and production reported elsewhere in this report. However, the official Energy Information Administration U.S. totals for crude oil and natural gas plant production are 2,936 million barrels in 2002 and 2,940 million barrels in 2001. (See Energy Information Administration, Petroleum Supply Annual 2002, Volume I (June 2003), p. 2.) For dry natural gas production, the official Energy Information Administration U.S. totals are 19,047 billion cubic feet in 2002 and 19,676 billion cubic feet in 2001. (See Energy Information Administration, Natural Gas Monthly, September 2003, Table 1.)

Sources: Industry data - Petroleum net production: Energy Information Administration, Form EIA-23; see U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 2002 Annual Report (November 2003). Net imports: data compiled for the International Energy Agency by the Petroleum Supply Division, Office of Oil and Gas, Energy Information Administration. Refinery capacity and refinery output: Energy Information Administration, Forms EIA-820 (Annual Refinery Report) and EIA-810 (Monthly Refinery Report); see Petroleum Supply Annual, 2001 and 2002. Coal production: 1996-2000--EIA, *Coal Industry Annual*, annual reports; 2001-2002 - EIA, *Annual Coal Report*, annual reports.

FRS companies' data - Energy Information Administration, Form EIA-28 (Financial Reporting System).

**Table B2. Selected Financial Items for the FRS Companies and the S&P Industrials, 2001-2002
(Billion Dollars)**

| Selected Financial Items | FRS Companies | | S&P Industrials | |
|---|---------------|--------|-----------------|----------|
| | 2001 | 2002 | 2001 | 2002 |
| Income Statement | | | | |
| Operating Revenues | 803.7 | 698.9 | 4,841.0 | 4,703.8 |
| Operating Expenses | -735.6 | -659.7 | -4,380.5 | -4,206.2 |
| Operating Income | 68.1 | 39.2 | 460.5 | 497.6 |
| Interest Expense | -9.1 | -10.7 | -114.0 | -98.2 |
| Other Income ¹ | 6.3 | 6.7 | -148.5 | -246.1 |
| Income Taxes | -27.7 | -14.6 | -111.7 | -127.1 |
| Net Income | 37.7 | 20.6 | 86.4 | 26.2 |
| Cash Flows from Operations² | | | | |
| Net Income | 37.7 | 20.6 | 86.4 | 26.2 |
| Other Items, Net ³ | 51.9 | 54.4 | 502.1 | 556.3 |
| Net Cash Flow from Operations | 89.6 | 75.0 | 588.5 | 582.5 |
| Cash Flows from Investing Activities² | | | | |
| Additions to Property, Plant & Equipment | -100.3 | -90.5 | -360.8 | -290.3 |
| Other Investment Activities, Net ⁴ | 6.0 | 36.4 | -128.3 | -103.7 |
| Net Cash Flow from Investing Activities | -94.3 | -54.1 | -489.2 | -394.0 |
| Cash Flows from Financing Activities² | | | | |
| Proceeds from Long-Term Debt | 55.0 | 34.1 | 539.7 | 460.1 |
| Proceeds from Equity Security Offerings | 6.3 | 4.9 | 72.5 | 33.8 |
| Dividends to Shareholders | -17.1 | -17.7 | -98.7 | -95.4 |
| Reductions in Long-Term Debt | -34.3 | -27.9 | -370.1 | -336.4 |
| Stock Repurchases | -7.5 | -4.7 | -110.9 | -108.9 |
| Other Financing Activities, Net | 3.8 | -7.1 | -60.1 | -85.2 |
| Net Cash Flow from Financing Activities | 6.2 | -18.4 | -27.5 | -132.0 |
| Effect of Exchange Rate Changes on Cash | -0.3 | 0.6 | -2.8 | 4.9 |
| Increase (Decrease) in Cash and Cash Equivalents | 1.3 | 3.0 | 69.0 | 61.4 |

¹ "Other Income" includes other revenue and expense (excluding interest expense), discontinued operations, extraordinary items, and accounting changes.

² Items that add to cash are positive, and items that use cash are shown as negative values.

³ "Other Items, Net" includes: Depreciation, Depletion & Amortization, deferred taxes, dry hole expense, minority interest, recognized undistributed earnings/(losses) of unconsolidated affiliates, (gain)/loss on disposition of Property, Plant & Equipment, changes in operating assets and liabilities, and other noncash items, excluding net change in short-term debt; other cash items, net.

⁴ "Other Investment Activities, Net" includes additions to investments and advances and proceeds from disposals of PP&E.

Sources:

Standard & Poor's (S&P) Industrials data are extracted from the S&P 500 Index, excluding the Financial, Utilities, and Transportation, sectors - Compustat PC Plus, a service of Standard & Poor's.

FRS companies' data - Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B3. Balance Sheet Items and Financial Ratios for FRS Companies and S&P Industrials, 2001-2002

| | FRS Companies | | S&P Industrials | |
|--|-------------------|--------|-----------------|----------|
| | 2001 | 2002 | 2001 | 2002 |
| Balance Sheet | (billion dollars) | | | |
| Assets | | | | |
| Current Assets | 147.5 | 156.3 | 1,441.2 | 1,510.2 |
| Noncurrent Assets | | | | |
| Property, Plant, and Equipment (PP&E) | | | | |
| Gross | 806.0 | 826.3 | 3,222.8 | 3,178.6 |
| Accumulated Depreciation, Depletion, and Amortization (DD&A) | -373.6 | -379.6 | -1,457.0 | -1,479.9 |
| Net PP&E | 432.4 | 446.6 | 1,765.8 | 1,698.7 |
| Investments and Advances | 57.3 | 53.9 | 155.3 | 135.3 |
| Other Noncurrent Assets | 97.9 | 115.7 | 2,933.4 | 2,910.4 |
| Subtotal Noncurrent Assets | 587.5 | 616.2 | 3,308.3 | 3,136.1 |
| Total Assets | 735.0 | 772.5 | 6,295.6 | 6,254.5 |
| Liabilities and Stockholders Equity | | | | |
| Liabilities | | | | |
| Current Liabilities | 159.8 | 156.7 | 1,098.3 | 1,087.4 |
| Long-Term Debt | 132.0 | 154.0 | 1,397.2 | 1,493.7 |
| Other Long-Term Items | 144.0 | 156.1 | 1,568.7 | 1,653.1 |
| Minority Interest | 15.5 | 11.0 | 82.9 | 75.5 |
| Subtotal Liabilities and Other Items | 451.3 | 477.8 | 4,147.1 | 4,309.8 |
| Stockholders' Equity | | | | |
| Retained Earnings | 209.7 | 206.1 | 1,150.9 | 962.0 |
| Other Equity | 74.0 | 88.7 | 997.6 | 982.7 |
| Subtotal Stockholders' Equity | 283.7 | 294.7 | 2,148.5 | 1,944.7 |
| Total Liabilities and Stockholders' Equity | 735.0 | 772.5 | 6,295.6 | 6,254.5 |
| Financial Ratios | (percent) | | | |
| Net Income/Stockholders' Equity | 13.3 | 7.0 | 4.0 | 1.3 |
| Net Income plus Interest/Total Invested Capital | 11.3 | 7.0 | 5.7 | 3.6 |
| Dividends/Net Cash Flow from Operations | 19.1 | 23.7 | 16.8 | 16.4 |
| Long-term Debt/Stockholders' Equity | 46.5 | 52.3 | 65.0 | 76.8 |

Sources:

Standard & Poor's (S&P) Industrials data are extracted from the S&P 500 Index, excluding the Financial, Utilities, and Transportation, sectors - Compustat PC Plus, a service of Standard & Poor's.

FRS companies' data - Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B4. Consolidated Balance Sheet for FRS Companies, 1996-2002
(Billion Dollars)

| Balance Sheet Items | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Assets | | | | | | | |
| Current Assets | | | | | | | |
| Cash & Marketable Securities | 13.4 | 12.2 | 8.1 | 12.2 | 18.7 | 18.6 | 19.5 |
| Trade Accounts & Notes Receivable | 56.2 | 51.2 | 47.8 | 68.1 | 98.6 | 71.4 | 78.7 |
| Inventories | | | | | | | |
| Raw Materials & Products | 22.7 | 21.4 | 21.6 | 23.3 | 25.6 | 23.4 | 23.2 |
| Materials & Supplies | 3.8 | 3.7 | 3.8 | 3.9 | 4.4 | 7.3 | 7.6 |
| Other Current Assets | 12.1 | 12.4 | 12.9 | 13.4 | 49.1 | 26.7 | 27.4 |
| Total Current Assets | 108.2 | 100.9 | 94.2 | 121.0 | 196.5 | 147.5 | 156.3 |
| Non-current Assets | | | | | | | |
| Property, Plant & Equipment (PP&E) | | | | | | | |
| Gross PP&E | 635.0 | 636.9 | 671.0 | 708.0 | 757.2 | 806.0 | 826.3 |
| Accumulated Depreciation, Depletion, and Amortization | -331.6 | -333.3 | -334.5 | -355.5 | -351.6 | -373.6 | -379.6 |
| Net PP&E | 303.4 | 303.6 | 336.5 | 352.5 | 405.5 | 432.4 | 446.6 |
| Investments & Advances to Unconsolidated Affiliates | 32.3 | 44.2 | 53.9 | 58.2 | 62.3 | 57.3 | 53.9 |
| Other Non-current Assets | 26.8 | 35.2 | 35.8 | 39.6 | 86.9 | 97.9 | 115.7 |
| Total Non-current Assets | 362.4 | 382.9 | 426.3 | 450.3 | 554.8 | 587.5 | 616.2 |
| Total Assets | 470.6 | 483.8 | 520.4 | 571.3 | 751.2 | 735.0 | 772.5 |
| Liabilities & Stockholders' Equity | | | | | | | |
| Liabilities | | | | | | | |
| Current Liabilities | | | | | | | |
| Trade Accounts & Notes Payable | 61.4 | 57.7 | 62.8 | 79.4 | 102.4 | 90.6 | 91.8 |
| Other Current Liabilities | 48.8 | 49.2 | 51.1 | 51.9 | 96.4 | 69.2 | 64.9 |
| Long-Term Debt | 70.9 | 73.4 | 94.6 | 104.0 | 120.0 | 132.0 | 154.0 |
| Deferred Income Tax Credits | 45.5 | 46.3 | 49.0 | 53.1 | 68.2 | 77.0 | 76.1 |
| Other Deferred Credits | 19.2 | 18.8 | 18.4 | 18.8 | 34.1 | 23.3 | 27.9 |
| Other Long-Term Items | 40.6 | 41.6 | 39.7 | 42.6 | 41.2 | 43.7 | 52.1 |
| Minority Interest in Consolidated Affiliates | 6.6 | 8.2 | 10.4 | 15.2 | 17.1 | 15.5 | 11.0 |
| Total Liabilities | 292.9 | 295.1 | 326.0 | 364.9 | 479.5 | 451.3 | 477.8 |
| Stockholders' Equity | 156.3 | 160.8 | 165.8 | 170.6 | 199.2 | 209.7 | 206.1 |
| Retained Earnings | 21.4 | 27.9 | 28.7 | 35.7 | 72.5 | 74.0 | 88.7 |
| Other Equity | | | | | | | |
| Total Stockholders' Equity | 177.8 | 188.7 | 194.4 | 206.3 | 271.8 | 283.7 | 294.7 |
| Total Liabilities & Stockholders' Equity | 470.6 | 483.8 | 520.4 | 571.3 | 751.2 | 735.0 | 772.5 |
| Memo: | | | | | | | |
| Foreign Currency Translation Adjustment Cumulative at Year End | 1.2 | -2.7 | -2.3 | -2.7 | -3.0 | -5.1 | -2.0 |
| Foreign Currency Translation Adjustment for the Current Year | -0.4 | -3.9 | 0.0 | -0.3 | -2.1 | -1.0 | 3.1 |

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B5. Consolidating Statement of Income for FRS Companies, 2002
(Million Dollars)

| Income Statement Items | Consolidated | Eliminations & Nontraceables | Petroleum | Coal | Other Energy | Non-energy |
|--|--------------|------------------------------|-----------|------|--------------|------------|
| Operating Revenues | 698,884 | -33,320 | 642,126 | 737 | 43,243 | 46,098 |
| Operating Expenses | | | | | | |
| General Operating Expenses | 598,972 | -32,595 | 547,481 | 572 | 41,706 | 41,808 |
| Depreciation, Depletion, & Allowance | 45,529 | 780 | 41,561 | W | 878 | 2,239 |
| General & Administrative | 15,161 | 2,202 | 10,021 | W | 1,302 | 1,617 |
| Total Operating Expenses | 659,662 | -29,613 | 599,063 | 662 | 43,886 | 45,664 |
| Operating Income | 39,222 | -3,707 | 43,063 | 75 | -643 | 434 |
| Other Revenue & (Expense) | | | | | | |
| Earnings of Unconsolidated Affiliates | 4,103 | -294 | 4,714 | W | -563 | 244 |
| Other Dividend & Interest Income | 2,614 | 2,614 | - | - | - | - |
| Gain/Loss on Disposition of Property, Plant, & Equipment | 1,374 | -295 | 1,024 | W | W | 646 |
| Interest Expenses & Financial Charges | -10,748 | -10,748 | - | - | - | - |
| Minority Interest in Income | -1,068 | -1,068 | - | - | - | - |
| Foreign Currency Translation Effects | 197 | 197 | - | - | - | - |
| Other Revenue & (Expense) | 477 | 477 | - | - | - | - |
| Total Other Revenue & (Expense) | -3,051 | -9,117 | 5,738 | W | -565 | 890 |
| Pretax Income | 36,171 | -12,824 | 48,801 | 78 | -1,208 | 1,324 |
| Income Tax Expense | 14,566 | -5,381 | 20,023 | 21 | 15 | -112 |
| Discontinued Operations | -828 | -81 | -968 | W | W | W |
| Extraordinary Items and Cumulative Effect of Accounting Changes | -185 | -112 | 82 | W | W | W |
| Net Income | 20,592 | -7,636 | 27,892 | -46 | -1,460 | 1,842 |

- = Not available.

W = Data withheld to avoid disclosure.

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B6. Consolidating Statement of Income for FRS Companies, U.S. and Foreign Petroleum Segments, 2002
(Million Dollars)

| Income Statement Items | U.S. Petroleum | | | | Foreign Petroleum | | | |
|--|-------------------|---------------|------------------------|----------------|-------------------|---------------|------------------------|-----------------|
| | Consoli- dated | Production | Refining/ Marketing | Pipe- lines | Consoli- dated | Production | Refining/ Marketing | Int'l Marine |
| Operating Revenues | | | | | | | | |
| Raw Material Sales | 126,771 | 71,138 | 109,067 | 1,625 | 87,424 | 61,405 | 63,582 | 0 |
| Refined Products Sales | 267,974 | W | 272,190 | W | 141,742 | W | 142,227 | 0 |
| Transportation Revenues | 11,115 | 1,085 | 2,562 | 9,561 | 1,698 | 376 | W | 2,643 |
| Management and Processing Fees | 1,491 | W | 1,257 | W | 1,968 | W | W | W |
| Other | 14,161 | 968 | 12,781 | 416 | 4,598 | 529 | 4,051 | W |
| Total Operating Revenues | 421,512 | 73,974 | 397,857 | 11,810 | 237,430 | 63,932 | 212,109 | 2,681 |
| Operating Expenses | | | | | | | | |
| General Operating Expenses | 368,645 | 34,304 | 390,037 | 6,433 | 195,652 | 26,694 | 207,559 | 2,691 |
| Depreciation, Depletion, & Allowance | 24,935 | 18,268 | 5,617 | 1,050 | 16,626 | 14,579 | 2,011 | W |
| General & Administrative | 7,760 | 1,653 | 3,695 | 2,412 | 2,261 | 945 | 1,310 | W |
| Total Operating Expenses | 401,340 | 54,225 | 399,349 | 9,895 | 214,539 | 42,218 | 210,880 | 2,733 |
| Operating Income | 20,172 | 19,749 | -1,492 | 1,915 | 22,891 | 21,714 | 1,229 | -52 |
| Other Revenue & (Expense) | | | | | | | | |
| Earnings of Unconsolidated Affiliates | 1,944 | 1,041 | 613 | 290 | 2,770 | 3,082 | -331 | W |
| Gain(Loss) on Disposition of Property, Plant, & Equipment | 996 | 312 | 367 | 317 | 28 | -7 | 37 | W |
| Total Other Revenue & (Expense) | 2,940 | 1,353 | 980 | 607 | 2,798 | 3,075 | -294 | 17 |
| Pretax Income | 23,112 | 21,102 | -512 | 2,522 | 25,689 | 24,789 | 935 | -35 |
| Income Tax Expense | 7,481 | 6,274 | 346 | 861 | 12,542 | 12,038 | 501 | 3 |
| Discontinued Operations | -1,139 | W | W | W | W | W | W | 0 |
| Extraordinary Items and Cumulative Effect of Accounting Changes | 68 | W | W | W | W | W | W | 0 |
| Contribution To Net Income | 14,560 | 15,030 | -2,164 | 1,694 | 13,332 | 12,918 | 452 | -38 |

W = Data withheld to avoid disclosure.

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B7. Net Property, Plant, and Equipment (PP&E), Additions to PP&E, Investments and Advances, and Depreciation, Depletion, and Amortization (DD&A), by Lines of Business for FRS Companies, 2002
(Million Dollars)

| | Year End Balance | | Activity During Year | | |
|--------------------------------|------------------|------------------------|----------------------|-------------------------------------|--------|
| | Net PP&E | Investments & Advances | Additions to PP&E | Additions to Investments & Advances | DD&A |
| Petroleum | | | | | |
| United States | | | | | |
| Production | 137,933 | 4,773 | 29,191 | 863 | 18,268 |
| Refining/Marketing | | | | | |
| Refining | 53,109 | 4,439 | 14,644 | 451 | 3,710 |
| Marketing | 15,124 | 959 | 1,452 | 430 | 1,171 |
| Refining/Marketing Transport | | | | | |
| Pipelines | 2,410 | 774 | 740 | 68 | 250 |
| Marine | 1,265 | W | 530 | W | 296 |
| Other | 1,113 | W | 239 | W | 190 |
| Total U.S. Refining/Marketing | 73,021 | 6,545 | 17,605 | 1,259 | 5,617 |
| Rate Regulated Pipelines | | | | | |
| Refined Products | 1,965 | 632 | 92 | 151 | 45 |
| Natural Gas | 21,767 | 3,604 | 2,049 | -103 | 817 |
| Crude Oil and Liquids | 4,335 | 553 | 352 | 195 | 188 |
| Total Rate Regulated Pipelines | 28,067 | 4,789 | 2,493 | 243 | 1,050 |
| Total U.S. Petroleum | 239,021 | 16,107 | 49,289 | 2,365 | 24,935 |
| Foreign | | | | | |
| Production | 124,225 | 15,738 | 30,138 | 3,554 | 14,579 |
| Refining/Marketing | 27,998 | W | 4,055 | W | 2,011 |
| International Marine | 529 | W | 10 | W | 36 |
| Total Foreign Petroleum | 152,752 | 22,038 | 34,203 | 4,527 | 16,626 |
| Total Petroleum | 391,773 | 38,145 | 83,492 | 6,892 | 41,561 |
| Coal | | | | | |
| Foreign | 0 | 0 | W | 0 | 0 |
| United States | 522 | W | W | 0 | 71 |
| Total Coal | 522 | W | 23 | 0 | 71 |
| Other Energy | | | | | |
| Foreign | 2,640 | 2,858 | 1,154 | 304 | 74 |
| United States | 14,038 | 1,800 | 1,759 | 477 | 804 |
| Total Other Energy | 16,678 | 4,658 | 2,913 | 781 | 878 |
| Nonenergy | | | | | |
| Foreign Chemicals | 7,057 | 2,650 | 544 | 336 | 578 |
| U.S. Chemicals | 19,485 | 4,723 | 1,608 | -166 | 1,531 |
| Foreign Other Nonenergy | W | 2,138 | W | -393 | W |
| U.S. Other Nonenergy | W | 763 | W | 183 | W |
| Total Nonenergy | 28,799 | 10,274 | 2,776 | -40 | 2,239 |
| Nontraceable | 8,877 | 774 | 1,265 | -104 | 780 |
| Consolidated | 446,649 | 53,873 | 90,469 | 7,529 | 45,529 |

W = Data withheld to avoid disclosure.

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B8. Return on Investment for Lines of Business for FRS Companies Ranked by Total Energy Assets, 2001-2002 (Percent)

| Line of Business | All FRS | | Top Four | | Five through Twelve | | All Other | |
|------------------------|---------|------|----------|-------|---------------------|------|-----------|------|
| | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| Petroleum | 12.2 | 6.5 | 12.5 | 8.0 | 11.8 | 6.3 | 12.2 | 2.7 |
| U.S. Petroleum | 13.1 | 5.7 | 12.7 | 7.3 | 12.7 | 5.7 | 14.5 | 2.6 |
| Oil and Gas Production | 13.1 | 10.5 | 12.3 | 12.8 | 14.0 | 10.4 | 13.3 | 6.1 |
| Refining/Marketing | 14.5 | -2.7 | 16.7 | -3.3 | 10.9 | -2.8 | 15.1 | -2.0 |
| Pipelines | 9.7 | 5.2 | 8.2 | 5.7 | 11.0 | 3.0 | 25.7 | 13.6 |
| Foreign Petroleum | 10.9 | 7.6 | 12.3 | 8.6 | 9.0 | 8.0 | 7.7 | 2.9 |
| Oil and Gas Production | 11.2 | 9.2 | 13.0 | 11.4 | 9.3 | 8.3 | 7.9 | 2.9 |
| Refining/Marketing | 9.5 | 1.3 | 10.0 | 1.1 | 5.7 | 3.3 | 5.7 | 3.2 |
| International Marine | 25.9 | -6.2 | 24.9 | -5.6 | W | 0.0 | 0.0 | 0.0 |
| Coal | 9.0 | -8.5 | 5.1 | -33.6 | 34.4 | W | W | W |
| Other Energy | 9.0 | -6.8 | 15.2 | -31.9 | 5.7 | 6.5 | 2.8 | 10.5 |
| Nonenergy | -6.6 | 4.7 | 2.9 | 4.6 | -33.9 | 0.8 | -1.3 | 13.1 |

W = Data withheld to avoid disclosure.

Note: Return on investment measured as contribution to net income/net investment in place.

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B9. Research and Development Expenditures for FRS Companies, 1996-2002
(Million Dollars)

| | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Sources of R&D Funds | | | | | | | |
| Federal Government | W | W | W | 27 | W | W | W |
| Internal Company | 2,675 | 2,841 | 1,668 | 1,377 | 1,316 | 1,542 | 1,742 |
| Other Sources | W | W | W | 20 | W | W | W |
| Total Sources | 2,717 | 2,885 | 1,707 | 1,424 | 1,326 | 1,570 | 1,753 |
| Breakdown of R&D Expenditures | | | | | | | |
| Oil & Gas Recovery | 482 | 585 | 606 | 430 | 453 | 592 | 464 |
| Other Petroleum | 432 | 380 | 365 | 345 | 327 | 376 | 656 |
| Coal Gasification/Liquefaction | W | W | W | W | W | 0 | 0 |
| Other Coal | W | W | W | W | W | 0 | W |
| Nuclear and Other Energy | 51 | 54 | W | W | W | W | 59 |
| Nonenergy | 1,617 | 1,738 | 616 | 538 | 452 | 526 | 517 |
| Unassigned | 127 | 120 | 85 | W | W | W | W |
| Total Expenditures | 2,717 | 2,885 | 1,707 | 1,424 | 1,326 | 1,570 | 1,753 |

W = Data withheld to avoid disclosure.

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

**Table B10. Size Distribution of Net Investment in Place for FRS Companies Ranked
by Total Energy Assets, 2002
(Percent)**

| Line of Business | Top Four | Five through Twelve | All Other | All FRS |
|--------------------------|-----------------|--------------------------------|------------------|----------------|
| Petroleum | 51.5 | 29.4 | 19.1 | 100.0 |
| United States | 41.9 | 36.5 | 21.6 | 100.0 |
| Production | 41.8 | 38.6 | 19.6 | 100.0 |
| Refining/Marketing | 34.1 | 33.8 | 32.1 | 100.0 |
| Refining | 28.7 | 36.1 | 35.2 | 100.0 |
| Marketing | 56.0 | 15.3 | 28.8 | 100.0 |
| Rate Regulated Pipelines | 61.1 | 34.1 | 4.9 | 100.0 |
| Foreign | 65.6 | 19.0 | 15.4 | 100.0 |
| Production | 59.9 | 22.2 | 17.8 | 100.0 |
| Refining/Marketing | 88.2 | 6.2 | 5.5 | 100.0 |
| International Marine | 100.0 | 0.0 | 0.0 | 100.0 |
| Coal | 53.1 | 3.9 | 43.0 | 100.0 |
| Other Energy | 35.0 | 63.4 | 1.7 | 100.0 |
| Nonenergy | 63.2 | 24.5 | 12.3 | 100.0 |
| Chemicals | 60.0 | 26.6 | 13.4 | 100.0 |
| Other Nonenergy | 84.6 | 10.5 | 4.9 | 100.0 |
| Consolidated | 52.1 | 30.2 | 17.6 | 100.0 |

Note: Sum of components may not equal total due to independent rounding, eliminations, and nontraceables.

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B11. Consolidated Statement of Cash Flows for FRS Companies, 1996-2002
(Million Dollars)

| Cash Flows ¹ | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|---|--------------|-------------|---------------|--------------|--------------|--------------|--------------|
| Cash Flows From Operations | | | | | | | |
| Net Income | 32,029 | 32,082 | 12,519 | 22,866 | 53,192 | 37,735 | 20,592 |
| Minority Interest in Income | 845 | 896 | 764 | 1,161 | 1,912 | 2,172 | 1,068 |
| Noncash Items: | | | | | | | |
| Depreciation, Depletion, & Allowance | 29,331 | 29,569 | 35,445 | 32,452 | 37,621 | 46,377 | 45,529 |
| Dry Hole Expense, This Year | 1,812 | 2,069 | 2,518 | 1,808 | 1,328 | 2,344 | 1,925 |
| Deferred Income Taxes | 2,863 | 2,301 | -1,123 | -25 | 5,611 | 3,145 | -143 |
| Recognized Undistributed (Earnings)/Losses of Unconsolidated Affiliates | -226 | -374 | 2,987 | 136 | -3,319 | -318 | 1,144 |
| (Gain)/Loss on Disposition of Property, Plant, & Equipment (PP&E) | -1,940 | -2,716 | -2,658 | -1,922 | -2,065 | -1,176 | -1,374 |
| Changes in Operating Assets and Liabilities and Other Noncash Items | -365 | 298 | -3,792 | -2,259 | -6,269 | 2,848 | -636 |
| Other Cash Items, Net | -165 | 1,197 | 1,502 | 581 | 629 | -3,490 | 6,847 |
| Net Cash Flow From Operations | 64,184 | 65,322 | 48,162 | 54,798 | 88,640 | 89,637 | 74,952 |
| Cash Flows From Investing Activities | | | | | | | |
| Additions to PP&E: | | | | | | | |
| Due to Mergers and Acquisitions | -2,281 | -5,579 | -18,868 | -5,961 | -49,722 | -40,971 | -33,147 |
| Other | -41,872 | -48,666 | -51,046 | -44,775 | -52,470 | -59,313 | -57,322 |
| Total Additions to PP&E | -44,153 | -54,245 | -69,914 | -50,736 | -102,192 | -100,284 | -90,469 |
| Additions to Investments and Advances | -5,799 | -7,685 | -5,223 | -6,874 | -7,156 | -10,086 | -7,529 |
| Proceeds From Disposals of PP&E | 10,942 | 9,320 | 16,243 | 13,267 | 26,663 | 7,683 | 14,310 |
| Other Investment Activities, Net | 1,608 | 6,587 | 4,235 | 3,523 | 8,742 | 8,406 | 29,572 |
| Cash Flow From Investing Activities | -37,402 | -46,023 | -54,659 | -40,820 | -73,943 | -94,281 | -54,116 |
| Cash Flows From Financing Activities | | | | | | | |
| Proceeds From Long-Term Debt | 10,708 | 17,901 | 27,072 | 29,862 | 33,292 | 54,987 | 34,094 |
| Proceeds From Equity Security Offerings | 1,171 | 1,507 | 9,112 | 3,557 | 30,606 | 6,267 | 4,878 |
| Reductions in Long-Term Debt | -18,883 | -19,774 | -18,019 | -24,988 | -29,323 | -34,264 | -27,863 |
| Purchase of Treasury Stock | -1,299 | -7,910 | -5,776 | -424 | -5,362 | -7,474 | -4,680 |
| Dividends to Shareholders | -15,585 | -16,941 | -17,169 | -16,081 | -18,981 | -17,132 | -17,744 |
| Other Financing Activities, Including Net Change in Short-Term Debt | -578 | 5,537 | 6,859 | -3,377 | -17,205 | 3,848 | -7,063 |
| Cash Flow From Financing Activities | -24,466 | -19,680 | 2,079 | -11,451 | -6,973 | 6,232 | -18,378 |
| Effect of Exchange Rate on Cash | 3 | -255 | -13 | -24 | -119 | -308 | 571 |
| Net Increase/(Decrease) in Cash and Cash Equivalents | 2,319 | -636 | -4,431 | 2,503 | 7,605 | 1,280 | 3,029 |

¹ Items that add to cash are positive, and items that use cash are shown as negative values.

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B12. Composition of Income Taxes for FRS Companies, 1996-2002
(Million Dollars)

| | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|--|---------------|---------------|--------------|---------------|---------------|---------------|---------------|
| Income Taxes (as per Financial Statements) | | | | | | | |
| Current Paid or Accrued: | | | | | | | |
| U.S. Federal, before Investment Tax Credit & Alternative Minimum Tax | 6,141 | 5,656 | 603 | 1,375 | 11,705 | 8,812 | 390 |
| U.S. Federal Investment Tax Credit | -146 | -93 | -85 | -90 | -129 | -246 | -245 |
| Effect of Alternative Minimum Tax | -325 | -400 | -16 | 445 | -1,222 | -632 | 69 |
| U.S. State & Local Income Taxes | 745 | 794 | 443 | 371 | 1,338 | 1,067 | 478 |
| Foreign Income Taxes | | | | | | | |
| Canada | 745 | 932 | 456 | 597 | 1,765 | 1,139 | 1,236 |
| Europe and Former Soviet Union ¹ | 3,862 | 2,927 | 1,798 | 3,110 | 7,002 | 6,515 | 5,619 |
| Africa | 1,956 | 1,926 | 449 | 1,607 | 3,617 | 3,057 | 2,884 |
| Middle East | 1,326 | 802 | 745 | 1,286 | 2,380 | 1,937 | 1,753 |
| Other Eastern Hemisphere | 2,195 | 1,901 | 992 | 1,679 | 2,214 | 1,676 | 1,674 |
| Other Western Hemisphere | 729 | 1,739 | 428 | 346 | 900 | 695 | 669 |
| Total Foreign | 10,813 | 10,227 | 4,868 | 8,625 | 17,878 | 15,019 | 13,835 |
| Total Current | 17,228 | 16,184 | 5,813 | 10,726 | 29,570 | 24,020 | 14,527 |
| Deferred | | | | | | | |
| U.S. Federal, before Investment Tax Credit | 1,410 | 1,477 | -373 | 1,480 | 3,168 | 2,403 | 241 |
| U.S. Federal Investment Tax Credit | 69 | -2 | -28 | -14 | -78 | -10 | -18 |
| Effect of Alternative Minimum Tax | 312 | 400 | -16 | -415 | 1,233 | 650 | -69 |
| U.S. State & Local Income Taxes | 56 | 54 | 104 | 136 | 221 | 26 | 76 |
| Foreign | 930 | 519 | -791 | -1,075 | 910 | 567 | -191 |
| Total Deferred | 2,777 | 2,448 | -1,104 | 112 | 5,454 | 3,636 | 39 |
| Total Income Tax Expense | 20,005 | 18,632 | 4,709 | 10,838 | 35,024 | 27,656 | 14,566 |
| Reconciliation of Accrued U.S. Federal Income Tax Expense To Statutory Rate | | | | | | | |
| Consolidated Pretax Income/(Loss) | 52,808 | 51,453 | 16,017 | 33,837 | 86,702 | 68,246 | 36,171 |
| Less: Foreign Source Income not Subject to U.S. | 6,230 | 5,827 | 251 | 2,160 | 13,355 | 8,918 | 8,816 |
| Equals: Income Subject to U.S. Tax | 46,578 | 45,626 | 15,766 | 31,677 | 73,347 | 59,328 | 27,355 |
| Less: U.S. State & Local Income Taxes | 782 | 785 | 570 | 486 | 1,497 | 895 | 345 |
| Less: Applicable Foreign Income Taxes Deducted | 554 | 312 | 32 | 107 | 353 | 82 | 252 |
| Equals: Pretax Income Subject to U.S. Tax | 45,242 | 44,529 | 15,164 | 31,084 | 71,497 | 58,351 | 26,758 |
| Tax Provision Based on Previous Line | 15,834 | 15,621 | 5,332 | 10,902 | 25,032 | 20,438 | 9,363 |
| Increase/(Decrease) in Taxes Due To: | | | | | | | |
| Foreign Tax Credits Recognized | -6,926 | -6,982 | -3,563 | -5,963 | -9,787 | -8,513 | -7,283 |
| U.S. Federal Investment Tax Credit Recognized | -123 | -137 | -124 | -98 | -129 | -486 | -245 |
| Statutory Depletion | -54 | -63 | -30 | -8 | -3 | -1 | -3 |
| Effect of Alternative Minimum Tax | 1 | 0 | -16 | 23 | 11 | 16 | 0 |
| Other | -1,273 | -1,399 | -1,485 | -2,068 | -447 | -582 | -1,462 |
| Actual U.S. Federal Tax Provision (Refund) | 7,459 | 7,040 | 114 | 2,788 | 14,677 | 10,872 | 370 |

¹ OECD Europe combined with the former Soviet Union and Eastern Europe to avoid disclosure.

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

**Table B13. U.S. Taxes Other Than Income Taxes for FRS Companies,
1996-2002**
(Million Dollars)

| | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|---|--------|--------|--------|--------|--------|--------|--------|
| Production Taxes | | | | | | | |
| Oil and Gas Production | 2,098 | 1,965 | 1,176 | 1,674 | 2,604 | 2,506 | 2,187 |
| Coal | 139 | 172 | 47 | 43 | 30 | 35 | 33 |
| Other ¹ | 1 | 1 | 0 | 0 | 25 | 1 | 2 |
| Total Production Taxes | 2,238 | 2,138 | 1,223 | 1,717 | 2,659 | 2,542 | 2,222 |
| Superfund | 14 | W | W | W | W | W | W |
| Import Duties | 260 | W | W | W | W | W | W |
| Sales, Use, and Property | 2,516 | 2,407 | 2,648 | 2,268 | 2,356 | 2,373 | 2,360 |
| Payroll | 1,531 | 1,406 | 1,357 | 1,289 | 1,259 | 1,193 | 1,121 |
| Other Taxes | 514 | 559 | 360 | 467 | 789 | 546 | 378 |
| Total Taxes Paid (Other Than Income Taxes) | 7,073 | 6,601 | 5,660 | 5,825 | 7,186 | 6,740 | 6,156 |
| Excise Taxes Collected | 32,426 | 30,984 | 39,918 | 46,293 | 47,084 | 44,310 | 43,464 |

¹ Nuclear, Other Energy, and Nonenergy.

W = Data withheld to avoid disclosure.

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B14. Oil and Gas Exploration and Development Expenditures for FRS Companies, United States and Foreign, 1996-2002
(Million Dollars)

| | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| United States | | | | | | | |
| Exploration | | | | | | | |
| Acquisition of Unproved Acreage | 997 | 2,653 | 3,912 | 633 | 4,010 | 3,527 | 2,281 |
| Geological and Geophysical | 625 | 750 | 916 | 621 | 849 | 758 | 821 |
| Drilling and Equipping ¹ | 2,338 | 2,905 | 2,964 | 1,921 | 2,550 | 3,276 | 2,555 |
| Other | 693 | 690 | 954 | 659 | 610 | 770 | 832 |
| Total Exploration | 4,653 | 6,998 | 8,746 | 3,834 | 8,019 | 8,331 | 6,489 |
| Development | | | | | | | |
| Acquisition of Proved Acreage | 922 | 2,928 | 3,568 | 1,144 | 27,939 | 7,383 | 7,572 |
| Lease Equipment | 1,613 | 1,823 | 2,688 | 2,431 | 1,907 | 3,818 | 3,325 |
| Drilling and Equipping ¹ | 6,154 | 8,540 | 7,769 | 5,022 | 8,788 | 11,671 | 10,711 |
| Other ² | 1,290 | 1,557 | 1,657 | 1,056 | 1,391 | 2,655 | 3,715 |
| Total Development | 9,979 | 14,848 | 15,682 | 9,653 | 40,025 | 25,527 | 25,323 |
| Total U.S. Exploration and Development | 14,632 | 21,846 | 24,428 | 13,487 | 48,044 | 33,858 | 31,812 |
| Foreign | | | | | | | |
| Exploration | | | | | | | |
| Acquisition of Unproved Acreage | 745 | 565 | 2,159 | 2,252 | 4,105 | 4,696 | 2,588 |
| Geological and Geophysical | 869 | 897 | 1,065 | 885 | 875 | 1,028 | 939 |
| Drilling and Equipping ¹ | 2,277 | 2,684 | 2,650 | 1,579 | 1,824 | 2,677 | 2,108 |
| Other | 919 | 1,128 | 1,299 | 903 | 1,087 | 1,146 | 864 |
| Total Exploration | 4,810 | 5,274 | 7,173 | 5,619 | 7,891 | 9,547 | 6,499 |
| Development | | | | | | | |
| Acquisition of Proved Acreage | 1,932 | 1,641 | 7,121 | 2,083 | 11,644 | 12,186 | 8,600 |
| Lease Equipment | 2,064 | 2,207 | 2,505 | 2,142 | 1,842 | 3,186 | 2,538 |
| Drilling and Equipping ¹ | 5,278 | 6,426 | 6,206 | 5,143 | 5,057 | 7,060 | 8,040 |
| Other ² | 2,534 | 2,383 | 3,388 | 2,531 | 2,364 | 3,965 | 5,695 |
| Total Development | 11,808 | 12,657 | 19,220 | 11,899 | 20,907 | 26,397 | 24,873 |
| Total Foreign Exploration and Development | 16,618 | 17,931 | 26,393 | 17,518 | 28,798 | 35,944 | 31,372 |

¹ Expenditure incurred in a given year not cumulative (includes work-in-progress adjustment).

² Includes support equipment.

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B15. Components of U.S. and Foreign Exploration and Development Expenditures for FRS Companies, 2002
(Million Dollars)

| | Worldwide | United States | | | Foreign |
|---|---------------|---------------|---------------|--------------|---------------|
| | | Total | Onshore | Offshore | |
| Exploration and Development Expenditures | | | | | |
| Exploration Expenditures | | | | | |
| Unproved Acreage | 4,869 | 2,281 | 1,483 | 798 | 2,588 |
| Drilling and Equipping: | | | | | |
| Completed Well Costs | - | 2,065 | 609 | 1,456 | - |
| Work-in-progress Adjustment | - | 490 | 165 | | - |
| Total Drilling and Equipping | 4,663 | 2,555 | 774 | 1,781 | 2,108 |
| Geological and Geophysical | 1,760 | 821 | 355 | 466 | 939 |
| Other, Including Direct Overhead | 1,696 | 832 | 411 | 421 | 864 |
| Total Exploration Expenditures | 12,988 | 6,489 | 3,023 | 3,466 | 6,499 |
| Development Expenditures | | | | | |
| Proved Acreage (Including Mergers and Acquisitions) | 16,172 | 7,572 | 6,951 | 621 | 8,600 |
| Drilling and Equipping: | | | | | |
| Completed Well Costs | - | 8,665 | 5,929 | 2,736 | - |
| Work-in-progress Adjustment | - | 2,046 | 882 | 1,164 | - |
| Total Drilling and Equipping | 18,751 | 10,711 | 6,811 | 3,900 | 8,040 |
| Lease Equipment | 5,863 | 3,325 | 2,276 | 1,049 | 2,538 |
| Other Development | | | | | |
| Support Equipment | 1,561 | 1,366 | 1,340 | 26 | 195 |
| Other, Including Direct Overhead | 7,849 | 2,349 | 1,929 | 420 | 5,500 |
| Total Development Expenditures | 50,196 | 25,323 | 19,307 | 6,016 | 24,873 |
| Total Exploration and Development Expenditures | 63,184 | 31,812 | 22,330 | 9,482 | 31,372 |

- = Not available.

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B16. Exploration and Development Expenditures by Region, for FRS Companies, 1996-2002
(Million Dollars)

| | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|---|--------|--------|--------|--------|--------|--------|--------|
| Exploration Expenditures | | | | | | | |
| U.S. Onshore | 1,826 | 3,396 | 3,941 | 1,174 | 4,136 | 4,779 | 3,023 |
| U.S. Offshore | 2,827 | 3,602 | 4,805 | 2,660 | 3,883 | 3,552 | 3,466 |
| Total United States | 4,653 | 6,998 | 8,746 | 3,834 | 8,019 | 8,331 | 6,489 |
| Canada | 355 | 310 | 638 | 420 | 1,184 | 3,899 | 1,694 |
| OECD Europe | 1,345 | 1,684 | 1,916 | 767 | 869 | 756 | 1,223 |
| Former Soviet Union and E. Europe | 194 | 285 | 630 | 354 | 317 | 374 | 470 |
| Africa | 779 | 807 | 1,092 | 1,268 | 910 | 1,579 | 1,292 |
| Middle East | 45 | 53 | 141 | 96 | 56 | 197 | 121 |
| Other Eastern Hemisphere | 1,462 | 1,341 | 1,563 | 1,192 | 1,675 | 1,478 | 1,121 |
| Other Western Hemisphere | 630 | 794 | 1,193 | 1,522 | 2,880 | 1,264 | 578 |
| Total Foreign | 4,810 | 5,274 | 7,173 | 5,619 | 7,891 | 9,547 | 6,499 |
| Worldwide Exploration Expenditures | 9,463 | 12,272 | 15,919 | 9,453 | 15,910 | 17,878 | 12,988 |
| Development Expenditures | | | | | | | |
| U.S. Onshore | 6,087 | 9,624 | 9,519 | 5,396 | 22,953 | 19,465 | 19,307 |
| U.S. Offshore | 3,892 | 5,224 | 6,163 | 4,257 | 17,072 | 6,062 | 6,016 |
| Total United States | 9,979 | 14,848 | 15,682 | 9,653 | 40,025 | 25,527 | 25,323 |
| Canada | 1,210 | 1,688 | 4,168 | 1,636 | 3,697 | 11,425 | 4,993 |
| OECD Europe | 4,222 | 5,368 | 6,670 | 3,370 | 6,651 | 4,617 | 8,571 |
| Former Soviet Union and E. Europe | 267 | 343 | 637 | 252 | 576 | 507 | 803 |
| Africa | 2,014 | 2,171 | 2,042 | 1,826 | 1,809 | 3,968 | 3,799 |
| Middle East | 418 | 590 | 801 | 297 | 494 | 542 | 653 |
| Other Eastern Hemisphere | 2,670 | 1,643 | 2,386 | 2,250 | 5,112 | 3,513 | 5,074 |
| Other Western Hemisphere | 1,007 | 854 | 2,516 | 2,268 | 2,568 | 1,826 | 980 |
| Total Foreign | 11,808 | 12,657 | 19,220 | 11,899 | 20,907 | 26,397 | 24,873 |
| Worldwide Development Expenditures | 21,787 | 27,505 | 34,902 | 21,552 | 60,932 | 51,924 | 50,196 |
| Total Exploration and Development Expenditures | | | | | | | |
| U.S. Onshore | 7,913 | 13,020 | 13,460 | 6,570 | 27,089 | 24,244 | 22,330 |
| U.S. Offshore | 6,719 | 8,826 | 10,968 | 6,917 | 20,955 | 9,614 | 9,482 |
| Total United States | 14,632 | 21,846 | 24,428 | 13,487 | 48,044 | 33,858 | 31,812 |
| Canada | 1,565 | 1,998 | 4,806 | 2,056 | 4,881 | 15,324 | 6,687 |
| OECD Europe | 5,567 | 7,052 | 8,586 | 4,137 | 7,520 | 5,373 | 9,794 |
| Former Soviet Union and E. Europe | 461 | 628 | 1,267 | 606 | 893 | 881 | 1,273 |
| Africa | 2,793 | 2,978 | 3,134 | 3,094 | 2,719 | 5,547 | 5,091 |
| Middle East | 463 | 643 | 942 | 393 | 550 | 739 | 774 |
| Other Eastern Hemisphere | 4,132 | 2,984 | 3,949 | 3,442 | 6,787 | 4,991 | 6,195 |
| Other Western Hemisphere | 1,637 | 1,648 | 3,709 | 3,790 | 5,448 | 3,090 | 1,558 |
| Total Foreign | 16,618 | 17,931 | 26,393 | 17,518 | 28,798 | 35,944 | 31,372 |
| Worldwide Exploration and Development Expenditures | 31,250 | 39,777 | 50,821 | 31,005 | 76,842 | 69,802 | 63,184 |

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B17. Production (Lifting) Costs by Region for FRS Companies, 1996-2002
(Million Dollars)

| | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|--|--------|--------|--------|--------|--------|--------|--------|
| United States | | | | | | | |
| Taxes Other Than Income Taxes | 2,098 | 1,965 | 1,176 | 1,674 | 2,604 | 2,506 | 2,187 |
| Other Costs | 10,221 | 10,147 | 9,787 | 9,494 | 8,417 | 10,377 | 10,315 |
| Total Production Costs | 12,319 | 12,112 | 10,963 | 11,168 | 11,021 | 12,883 | 12,502 |
| U.S. Onshore | 9,855 | 9,604 | 8,198 | 8,039 | 8,254 | 9,838 | 9,650 |
| U.S. Offshore | 2,464 | 2,508 | 2,765 | 3,129 | 2,767 | 3,045 | 2,852 |
| Canada | | | | | | | |
| Royalty Expenses | W | W | W | W | W | 0 | 0 |
| Taxes Other Than Income Taxes | W | W | W | W | W | 105 | 109 |
| Other Costs | 993 | 961 | 1,037 | 1,120 | 1,379 | 1,842 | 2,303 |
| Total Production Costs | 1,082 | 1,049 | 1,129 | 1,252 | 1,496 | 1,947 | 2,412 |
| OECD Europe | | | | | | | |
| Royalty Expenses | 251 | 217 | 251 | 62 | W | W | 49 |
| Taxes Other Than Income Taxes | 400 | 360 | 269 | 330 | W | W | 456 |
| Other Costs | 3,996 | 3,950 | 3,980 | 3,666 | 3,485 | 3,496 | 3,416 |
| Total Production Costs | 4,647 | 4,527 | 4,500 | 4,058 | 4,025 | 4,151 | 3,921 |
| Former Soviet Union and E. Europe | | | | | | | |
| Royalty Expenses | W | W | W | W | W | W | 0 |
| Taxes Other Than Income Taxes | W | W | W | W | W | W | 0 |
| Other Costs | 133 | 188 | 207 | 111 | 179 | 155 | 111 |
| Total Production Costs | 134 | 192 | 208 | 148 | 196 | 191 | 111 |
| Africa | | | | | | | |
| Royalty Expenses | W | W | W | W | W | W | 0 |
| Taxes Other Than Income Taxes | W | W | W | W | W | W | 377 |
| Other Costs | 812 | 861 | 1,194 | 1,153 | 1,208 | 1,384 | 1,730 |
| Total Production Costs | 1,259 | 1,310 | 1,490 | 1,268 | 1,784 | 1,847 | 2,107 |
| Middle East | | | | | | | |
| Royalty Expenses | W | W | W | W | 137 | 0 | 0 |
| Taxes Other Than Income Taxes | W | W | W | W | 75 | 55 | 46 |
| Other Costs | 296 | 280 | 250 | 235 | 175 | 407 | 502 |
| Total Production Costs | 483 | 491 | 429 | 424 | 387 | 462 | 548 |
| Other Eastern Hemisphere | | | | | | | |
| Royalty Expenses and Taxes Other Than Income Taxes | 542 | 456 | 240 | 507 | 618 | 527 | 468 |
| Other Costs | 1,161 | 1,144 | 1,074 | 1,097 | 1,392 | 1,931 | 2,114 |
| Total Production Costs | 1,703 | 1,600 | 1,314 | 1,604 | 2,010 | 2,458 | 2,582 |
| Other Western Hemisphere | | | | | | | |
| Royalty Expenses and Taxes Other Than Income Taxes | 180 | 156 | 87 | 184 | 304 | 143 | 276 |
| Other Costs | 389 | 470 | 552 | 443 | 533 | 600 | 633 |
| Total Production Costs | 569 | 626 | 639 | 627 | 837 | 743 | 909 |
| Total Foreign | | | | | | | |
| Royalty Expenses | 901 | 891 | 740 | 384 | 437 | 153 | 150 |
| Taxes Other Than Income Taxes | 1,196 | 1,050 | 675 | 1,172 | 1,947 | 1,831 | 1,631 |
| Other Costs | 7,780 | 7,854 | 8,294 | 7,825 | 8,351 | 9,815 | 10,809 |
| Total Production Costs | 9,877 | 9,795 | 9,709 | 9,381 | 10,735 | 11,799 | 12,590 |

W = Data withheld to avoid disclosure.

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B18. Oil and Gas Acreage for FRS Companies, 1996-2002
(Thousand Acres)

| | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|----------------------|---------|---------|-----------|---------|---------|---------|---------|
| Net Acreage | | | | | | | |
| U.S. Onshore | | | | | | | |
| Developed | 26,733 | 25,474 | 26,396 | 25,895 | 31,760 | 34,332 | 37,103 |
| Undeveloped | 31,659 | 31,154 | 30,598 | 25,880 | 37,657 | 43,293 | 40,280 |
| U.S. Offshore | | | | | | | |
| Developed | 5,470 | 5,343 | 4,634 | 4,988 | 5,383 | 5,881 | 5,281 |
| Undeveloped | 16,880 | 22,983 | 23,168 | 24,940 | 21,483 | 20,933 | 21,929 |
| Foreign | | | | | | | |
| Developed | 22,574 | 21,984 | 24,887 | 26,337 | 32,535 | 32,903 | 37,603 |
| Undeveloped | 445,176 | 472,106 | 514,511 | 416,209 | 416,941 | 424,465 | 429,394 |
| Gross Acreage | | | | | | | |
| U.S. Onshore | | | | | | | |
| Developed | 46,887 | 45,249 | 49,097 | 45,978 | 57,626 | 63,721 | 69,641 |
| Undeveloped | 53,775 | 55,530 | 51,364 | 42,325 | 59,295 | 69,790 | 64,841 |
| U.S. Offshore | | | | | | | |
| Developed | 9,668 | 10,665 | 8,861 | 9,534 | 10,588 | 11,317 | 9,802 |
| Undeveloped | 21,786 | 30,845 | 32,439 | 35,689 | 31,609 | 30,523 | 32,384 |
| Foreign | | | | | | | |
| Developed | 59,926 | 58,198 | 64,358 | 59,247 | 71,330 | 70,112 | 81,171 |
| Undeveloped | 857,130 | 924,839 | 1,083,355 | 835,615 | 882,761 | 834,500 | 799,007 |

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B19. U.S. Net Wells Completed for FRS Companies and U.S. Industry, 1996-2002

| | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|--|--------|--------|--------|--------|--------|--------|--------|
| Number of Net Wells Completed During Year for FRS Companies | | | | | | | |
| Onshore | | | | | | | |
| Net Exploratory Wells | | | | | | | |
| Dry Holes | 274 | 163 | 159 | 93 | 86 | 122 | 119 |
| Oil Wells | 91 | 90 | 55 | 26 | 19 | 59 | 21 |
| Gas Wells | 207 | 170 | 142 | 105 | 217 | 351 | 164 |
| Total Exploratory Wells | 572 | 424 | 356 | 225 | 321 | 533 | 304 |
| Net Development Wells | | | | | | | |
| Dry Holes | 319 | 301 | 256 | 162 | 229 | 266 | 220 |
| Oil Wells | 2,095 | 3,016 | 2,510 | 1,130 | 1,775 | 1,815 | 1,187 |
| Gas Wells | 2,049 | 2,261 | 2,074 | 1,519 | 2,927 | 5,226 | 4,982 |
| Total Development Wells | 4,463 | 5,577 | 4,841 | 2,812 | 4,930 | 7,307 | 6,389 |
| Offshore | | | | | | | |
| Net Exploratory Wells | | | | | | | |
| Dry Holes | 84 | 98 | 91 | 59 | 73 | 63 | 52 |
| Oil Wells | 36 | 31 | 22 | 28 | 28 | 39 | 35 |
| Gas Wells | 87 | 73 | 63 | 61 | 59 | 63 | 53 |
| Total Exploratory Wells | 206 | 202 | 176 | 148 | 159 | 165 | 140 |
| Net Development Wells | | | | | | | |
| Dry Holes | 23 | 46 | 32 | 26 | 29 | 38 | 38 |
| Oil Wells | 158 | 181 | 115 | 145 | 128 | 240 | 135 |
| Gas Wells | 153 | 168 | 133 | 153 | 157 | 170 | 134 |
| Total Development Wells | 334 | 396 | 280 | 324 | 315 | 448 | 307 |
| Total United States | | | | | | | |
| Net Exploratory Wells | | | | | | | |
| Dry Holes | 358 | 261 | 249 | 153 | 158 | 185 | 171 |
| Oil Wells | 127 | 121 | 77 | 54 | 47 | 98 | 56 |
| Gas Wells | 293 | 243 | 205 | 166 | 275 | 415 | 217 |
| Total Exploratory Wells | 778 | 626 | 531 | 372 | 480 | 698 | 443 |
| Net Development Wells | | | | | | | |
| Dry Holes | 342 | 347 | 288 | 188 | 258 | 305 | 259 |
| Oil Wells | 2,253 | 3,197 | 2,625 | 1,275 | 1,903 | 2,054 | 1,321 |
| Gas Wells | 2,202 | 2,429 | 2,208 | 1,672 | 3,084 | 5,396 | 5,116 |
| Total Development Wells | 4,797 | 5,973 | 5,121 | 3,136 | 5,245 | 7,755 | 6,696 |
| Number of Net Wells Completed During Year for Total U.S. Industry | | | | | | | |
| Net Exploratory Wells | | | | | | | |
| Dry Holes | 2,154 | 2,145 | 1,843 | 1,157 | 1,331 | 1,576 | 1,130 |
| Oil Wells | 484 | 434 | 306 | 153 | 267 | 327 | 223 |
| Gas Wells | 575 | 542 | 589 | 520 | 613 | 963 | 666 |
| Total Exploratory Wells | 3,213 | 3,121 | 2,739 | 1,830 | 2,210 | 2,866 | 2,018 |
| Net Development Wells | | | | | | | |
| Dry Holes | 3,184 | 3,659 | 3,138 | 2,273 | 2,636 | 2,742 | 2,394 |
| Oil Wells | 7,911 | 9,889 | 6,566 | 4,119 | 7,240 | 7,876 | 5,934 |
| Gas Wells | 8,729 | 10,592 | 11,494 | 10,530 | 15,852 | 20,740 | 16,097 |
| Total Development Wells | 19,824 | 24,140 | 21,198 | 16,921 | 25,728 | 31,358 | 24,424 |
| Number of Net In-Progress Wells At Year End for FRS Companies | | | | | | | |
| Onshore | | | | | | | |
| Exploratory Wells | 133 | 135 | 51 | 40 | 70 | 85 | 66 |
| Development Wells | 675 | 929 | 392 | 464 | 716 | 1,052 | 1,315 |
| Total In-Progress Wells | 808 | 1,064 | 444 | 504 | 786 | 1,138 | 1,381 |
| Offshore | | | | | | | |
| Exploratory Wells | 45 | 92 | 52 | 68 | 50 | 56 | 55 |
| Development Wells | 93 | 128 | 73 | 87 | 110 | 63 | 47 |
| Total In-Progress Wells | 138 | 220 | 124 | 155 | 160 | 118 | 102 |
| Total United States | | | | | | | |
| Exploratory Wells | 178 | 226 | 103 | 108 | 120 | 141 | 120 |
| Development Wells | 768 | 1,058 | 465 | 551 | 826 | 1,115 | 1,362 |
| Total In-Progress Wells | 946 | 1,284 | 568 | 659 | 946 | 1,256 | 1,482 |

Note: Sum of components may not equal total due to independent rounding.

Sources: Industry data - Special compilation provided by the Office of Oil and Gas, Energy Information Administration. Totals are based on data which appeared in the Energy Information Administration's Monthly Energy Review, October 2003, p. 84. FRS companies' data - Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B20. U.S. Net Drilling Footage and Net Producing Wells For FRS Companies and U.S. Industry, 1996-2002

| | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|--|---------|---------|---------|---------|---------|---------|---------|
| FRS Companies | | | | | | | |
| Onshore | | | | | | | |
| (thousand feet) | | | | | | | |
| Exploratory Well Footage | | | | | | | |
| Dry Hole Footage | 2,052 | 1,700 | 1,714 | 921 | 955 | 1,085 | 1,000 |
| Oil Well Footage | 732 | 1,027 | 406 | 312 | 199 | 397 | 141 |
| Gas Well Footage | 1,860 | 1,521 | 1,548 | 1,150 | 1,399 | 2,016 | 1,284 |
| Total Exploratory Footage | 4,644 | 4,248 | 3,668 | 2,383 | 2,553 | 3,498 | 2,425 |
| Development Well Footage | | | | | | | |
| Dry Hole Footage | 2,224 | 1,926 | 1,939 | 1,252 | 1,597 | 2,029 | 1,716 |
| Oil Well Footage | 10,956 | 14,534 | 12,513 | 4,449 | 9,374 | 9,435 | 6,928 |
| Gas Well Footage | 14,304 | 16,751 | 16,521 | 12,291 | 20,516 | 26,653 | 32,078 |
| Total Development Footage | 27,484 | 33,211 | 30,973 | 17,992 | 31,487 | 38,117 | 40,722 |
| Offshore | | | | | | | |
| Exploratory Well Footage | | | | | | | |
| Dry Hole Footage | 1,091 | 1,362 | 1,345 | 848 | 1,151 | 1,004 | 652 |
| Oil Well Footage | 408 | 397 | 443 | 434 | 364 | 551 | 589 |
| Gas Well Footage | 1,824 | 981 | 1,285 | 1,002 | 1,141 | 759 | 697 |
| Total Exploratory Footage | 3,323 | 2,740 | 3,073 | 2,284 | 2,656 | 2,314 | 1,938 |
| Development Well Footage | | | | | | | |
| Dry Hole Footage | 244 | 459 | 344 | 199 | 411 | 353 | 369 |
| Oil Well Footage | 1,704 | 1,736 | 1,428 | 1,280 | 1,505 | 2,260 | 1,362 |
| Gas Well Footage | 1,538 | 1,584 | 1,398 | 1,295 | 1,899 | 1,917 | 1,370 |
| Total Development Footage | 3,486 | 3,779 | 3,170 | 2,774 | 3,815 | 4,530 | 3,101 |
| Total United States | | | | | | | |
| Exploratory Well Footage | | | | | | | |
| Dry Hole Footage | 3,143 | 3,062 | 3,059 | 1,769 | 2,107 | 2,089 | 1,652 |
| Oil Well Footage | 1,140 | 1,424 | 849 | 746 | 563 | 948 | 730 |
| Gas Well Footage | 3,684 | 2,502 | 2,833 | 2,152 | 2,540 | 2,775 | 1,981 |
| Total Exploratory Footage | 7,967 | 6,988 | 6,741 | 4,667 | 5,209 | 5,812 | 4,363 |
| Development Well Footage | | | | | | | |
| Dry Hole Footage | 2,468 | 2,385 | 2,283 | 1,451 | 2,008 | 2,382 | 2,085 |
| Oil Well Footage | 12,660 | 16,270 | 13,941 | 5,729 | 10,879 | 11,695 | 8,290 |
| Gas Well Footage | 15,842 | 18,335 | 17,919 | 13,586 | 22,415 | 28,570 | 33,448 |
| Total Development Footage | 30,970 | 36,990 | 34,143 | 20,766 | 35,303 | 42,647 | 43,823 |
| Total United States Industry | | | | | | | |
| Exploratory Well Footage | | | | | | | |
| Dry Hole Footage | 13,199 | 13,861 | 12,398 | 7,646 | 8,863 | 10,100 | 7,479 |
| Oil Well Footage | 3,504 | 3,432 | 2,505 | 1,045 | 1,918 | 2,433 | 1,548 |
| Gas Well Footage | 3,782 | 3,955 | 4,196 | 3,315 | 4,538 | 6,938 | 5,016 |
| Total Exploratory Footage | 20,485 | 21,248 | 19,098 | 12,006 | 15,319 | 19,472 | 14,044 |
| Development Well Footage | | | | | | | |
| Dry Hole Footage | 16,656 | 19,666 | 18,005 | 12,508 | 13,981 | 14,573 | 12,688 |
| Oil Well Footage | 36,988 | 47,773 | 32,125 | 17,705 | 31,782 | 36,470 | 26,589 |
| Gas Well Footage | 54,376 | 65,860 | 70,746 | 52,204 | 76,309 | 103,547 | 88,903 |
| Total Development Footage | 108,020 | 133,298 | 120,875 | 82,417 | 122,073 | 154,590 | 128,179 |
| Number of Net Producing Wells for FRS Companies | | | | | | | |
| (number of wells) | | | | | | | |
| Onshore | | | | | | | |
| Oil Wells | 87,461 | 75,493 | 69,401 | 58,987 | 68,274 | 66,667 | 69,021 |
| Gas Wells | 48,779 | 48,779 | 49,429 | 44,880 | 64,696 | 82,083 | 89,102 |
| Total Producing Wells | 136,240 | 124,272 | 118,830 | 103,867 | 132,970 | 148,750 | 158,123 |
| Offshore | | | | | | | |
| Oil Wells | 3,552 | 3,760 | 3,421 | 2,855 | 3,536 | 4,738 | 4,384 |
| Gas Wells | 2,556 | 2,898 | 2,737 | 2,707 | 3,111 | 3,606 | 3,011 |
| Total Producing Wells | 6,108 | 6,658 | 6,158 | 5,562 | 6,647 | 8,344 | 7,395 |
| Total United States | | | | | | | |
| Oil Wells | 91,013 | 79,253 | 72,822 | 61,842 | 71,810 | 71,405 | 73,405 |
| Gas Wells | 51,335 | 51,677 | 52,166 | 47,587 | 67,807 | 85,689 | 92,113 |
| Total Producing Wells | 142,348 | 130,930 | 124,987 | 109,429 | 139,617 | 157,094 | 165,518 |

Sources: Well footage, U.S. - special compilation provided by the Office of Oil and Gas, Energy Information Administration. Totals are based on data which appeared in the Energy Information Administration's *Monthly Energy Review*, October 2003, p. 84.

FRS companies' data - Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B21. Number of Net Wells Completed, In-Progress Wells, and Producing Wells by Foreign Regions for FRS Companies, 1996-2002

| | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|--|----------|----------|----------|----------|----------|----------|----------|
| Canada | | | | | | | |
| Net Wells Completed During Year | | | | | | | |
| Exploratory Wells | | | | | | | |
| Dry Holes | 86.2 | 22.8 | 54.8 | 36.4 | 126.3 | 106.4 | 156.6 |
| Oil Wells | 46.0 | 10.7 | 10.0 | 25.8 | 23.3 | 63.1 | 74.0 |
| Gas Wells | 96.1 | 49.2 | 66.3 | 127.5 | 194.2 | 165.9 | 329.4 |
| Total Exploratory Wells | 228.3 | 82.7 | 131.1 | 189.7 | 343.8 | 335.4 | 560.0 |
| Development Wells | | | | | | | |
| Dry Holes | 48.1 | 59.6 | 58.8 | 58.3 | 138.2 | 228.8 | 151.2 |
| Oil Wells | 559.4 | 778.6 | 198.9 | 352.1 | 373.3 | 818.1 | 794.1 |
| Gas Wells | 233.7 | 275.1 | 422.4 | 758.7 | 891.5 | 2,025.1 | 2,381.1 |
| Total Development Wells | 841.2 | 1,113.3 | 680.1 | 1,169.1 | 1,403.0 | 3,072.1 | 3,326.4 |
| Net In-Progress Wells at Year End | 17.2 | 30.6 | 24.3 | 76.3 | 116.8 | 307.2 | 190.0 |
| Net Producing Wells | | | | | | | |
| Oil Wells | 8,719.5 | 9,364.7 | 10,532.3 | 10,155.9 | 12,094.8 | 17,640.5 | 14,203.0 |
| Gas Wells | 5,784.8 | 6,199.5 | 8,872.7 | 10,038.7 | 15,242.7 | 25,230.5 | 26,434.9 |
| Total Producing Wells | 14,504.3 | 15,564.2 | 19,405.0 | 20,194.6 | 27,337.5 | 42,870.9 | 40,637.9 |
| Europe and Former Soviet Union ¹ | | | | | | | |
| Net Wells Completed During Year | | | | | | | |
| Exploratory Wells | | | | | | | |
| Dry Holes | 49.4 | 56.6 | 36.3 | 15.4 | 15.7 | 15.6 | 11.2 |
| Oil Wells | 14.5 | 19.2 | 11.8 | 9.2 | 5.2 | 25.9 | 5.3 |
| Gas Wells | 11.4 | 8.9 | 12.0 | 4.0 | 6.4 | 8.6 | 3.1 |
| Total Exploratory Wells | 75.3 | 84.7 | 60.1 | 28.6 | 27.3 | 50.1 | 19.6 |
| Development Wells | | | | | | | |
| Dry Holes | 5.3 | 3.2 | 7.8 | 2.6 | 10.3 | 5.4 | 4.6 |
| Oil Wells | 77.6 | 80.7 | 118.5 | 75.4 | 67.7 | 91.8 | 63.0 |
| Gas Wells | 31.0 | 25.1 | 60.5 | 30.4 | 30.4 | 31.8 | 41.2 |
| Total Development Wells | 113.9 | 109.0 | 186.8 | 108.4 | 108.4 | 129.0 | 108.8 |
| Net In-Progress Wells at Year End | 68.7 | 62.7 | 54.5 | 31.6 | 63.7 | 69.3 | 38.7 |
| Net Producing Wells | | | | | | | |
| Oil Wells | 1,445.5 | 1,328.0 | 1,294.4 | 1,218.8 | 1,431.3 | 1,478.2 | 1,225.7 |
| Gas Wells | 765.2 | 766.8 | 805.3 | 626.6 | 737.7 | 717.2 | 788.7 |
| Total Producing Wells | 2,210.7 | 2,094.8 | 2,099.7 | 1,845.4 | 2,169.0 | 2,195.4 | 2,014.4 |
| Africa and Middle East | | | | | | | |
| Net Wells Completed During Year | | | | | | | |
| Exploratory Wells | | | | | | | |
| Dry Holes | 19.8 | 25.3 | 33.1 | 14.9 | 37.2 | 21.9 | 26.8 |
| Oil Wells | W | W | W | 9.9 | W | W | W |
| Gas Wells | W | W | W | 10.0 | W | W | W |
| Total Exploratory Wells | 44.0 | 46.1 | 65.0 | 34.8 | 50.7 | 50.9 | 67.5 |
| Development Wells | | | | | | | |
| Dry Holes | W | W | W | 5.8 | W | W | 11.3 |
| Oil Wells | 133.0 | 151.6 | 218.4 | 206.3 | 239.3 | 159.8 | 209.4 |
| Gas Wells | W | W | W | 8.6 | W | W | 13.5 |
| Total Development Wells | 144.0 | 157.8 | 225.6 | 220.7 | 252.0 | 186.9 | 234.2 |
| Net In-Progress Wells at Year End | 36.9 | 29.0 | 18.0 | 36.8 | 35.2 | 35.4 | 57.0 |
| Net Producing Wells | | | | | | | |
| Oil Wells | 1,688.9 | 1,644.6 | 1,924.2 | 1,969.8 | 1,954.1 | 2,063.8 | 2,209.2 |
| Gas Wells | 49.9 | 59.5 | 62.7 | 83.2 | 79.0 | 121.2 | 140.2 |
| Total Producing Wells | 1,738.8 | 1,704.1 | 1,986.9 | 2,053.0 | 2,033.1 | 2,185.0 | 2,349.4 |

See footnotes at end of table.

Table B21. Number of Net Wells Completed, In-Progress Wells, and Producing Wells by Foreign Regions for FRS Companies, 1996-2002 (Continued)

| | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|-----------------------------------|----------|----------|----------|----------|----------|----------|----------|
| Other Eastern Hemisphere | | | | | | | |
| Net Wells Completed During Year | | | | | | | |
| Exploratory Wells | | | | | | | |
| Dry Holes | 42.6 | 39.8 | 47.1 | 35.4 | 40.7 | 39.1 | 36.8 |
| Oil Wells | 21.6 | 16.1 | 36.6 | 41.6 | 31.3 | 19.9 | 11.0 |
| Gas Wells | 46.3 | 15.8 | 13.8 | 16.0 | 20.7 | 42.3 | 26.6 |
| Total Exploratory Wells | 110.5 | 71.7 | 97.5 | 93.0 | 92.7 | 101.3 | 74.4 |
| Development Wells | | | | | | | |
| Dry Holes | 3.7 | 4.7 | 11.5 | 1.9 | 4.4 | 7.1 | 3.0 |
| Oil Wells | 103.1 | 162.6 | 149.5 | 82.4 | 140.6 | 595.3 | 554.8 |
| Gas Wells | 91.7 | 116.5 | 101.2 | 104.5 | 113.5 | 117.0 | 201.7 |
| Total Development Wells | 198.5 | 283.8 | 262.2 | 188.8 | 258.5 | 719.4 | 759.5 |
| Net In-Progress Wells at Year End | 72.4 | 61.4 | 64.5 | 56.2 | 80.5 | 67.1 | 30.9 |
| Net Producing Wells | | | | | | | |
| Oil Wells | 1,622.0 | 1,767.0 | 1,707.2 | 1,654.2 | 1,950.2 | 7,852.9 | 7,458.6 |
| Gas Wells | 561.2 | 633.8 | 862.2 | 882.2 | 927.4 | 1,090.3 | 1,288.8 |
| Total Producing Wells | 2,183.2 | 2,400.8 | 2,569.4 | 2,536.4 | 2,877.6 | 8,943.2 | 8,747.4 |
| Other Western Hemisphere | | | | | | | |
| Net Wells Completed During Year | | | | | | | |
| Exploratory Wells | | | | | | | |
| Dry Holes | 12.4 | 5.7 | 14.6 | 7.9 | 14.5 | 31.9 | 13.2 |
| Oil Wells | 9.0 | 4.7 | 10.4 | 3.2 | W | W | W |
| Gas Wells | 2.0 | 0.0 | 4.5 | 3.8 | W | W | W |
| Total Exploratory Wells | 23.4 | 10.4 | 29.5 | 14.9 | 23.4 | 40.0 | 21.3 |
| Development Wells | | | | | | | |
| Dry Holes | W | W | W | W | W | W | W |
| Oil Wells | 123.3 | 141.4 | 212.8 | 81.4 | 205.8 | 240.5 | 217.0 |
| Gas Wells | W | W | W | W | W | W | W |
| Total Development Wells | 129.8 | 148.3 | 224.5 | 91.7 | 245.0 | 262.9 | 245.1 |
| Net In-Progress Wells at Year End | 16.1 | 24.4 | 28.9 | 27.2 | 31.3 | 47.4 | 31.6 |
| Net Producing Wells | | | | | | | |
| Oil Wells | 2,478.9 | 605.0 | 2,045.6 | 2,426.5 | 2,597.2 | 2,580.2 | 2,439.6 |
| Gas Wells | 77.3 | 72.2 | 190.9 | 161.4 | 253.1 | 262.7 | 274.0 |
| Total Producing Wells | 2,556.2 | 677.2 | 2,236.5 | 2,587.9 | 2,850.3 | 2,842.9 | 2,713.6 |
| Total Foreign | | | | | | | |
| Net Wells Completed During Year | | | | | | | |
| Exploratory Wells | | | | | | | |
| Dry Holes | 210.4 | 150.2 | 185.9 | 110.0 | 234.4 | 214.9 | 244.6 |
| Oil Wells | 110.9 | 71.0 | 97.6 | 89.7 | 74.1 | 136.0 | 134.3 |
| Gas Wells | 160.2 | 74.4 | 99.7 | 161.3 | 229.4 | 226.8 | 363.9 |
| Total Exploratory Wells | 481.5 | 295.6 | 383.2 | 361.0 | 537.9 | 577.7 | 742.8 |
| Development Wells | | | | | | | |
| Dry Holes | 67.9 | 75.5 | 83.7 | 70.1 | 156.7 | 252.5 | 171.2 |
| Oil Wells | 996.4 | 1,314.9 | 898.1 | 797.6 | 1,026.7 | 1,905.5 | 1,838.3 |
| Gas Wells | 363.1 | 421.8 | 597.4 | 911.0 | 1,083.5 | 2,212.2 | 2,664.5 |
| Total Development Wells | 1,427.4 | 1,812.2 | 1,579.2 | 1,778.7 | 2,266.9 | 4,370.3 | 4,674.0 |
| Net In-Progress Wells at Year End | 211.3 | 208.1 | 190.2 | 228.1 | 327.5 | 526.4 | 348.2 |
| Net Producing Wells | | | | | | | |
| Oil Wells | 15,954.8 | 14,709.3 | 17,503.7 | 17,425.2 | 20,027.6 | 31,615.6 | 27,536.1 |
| Gas Wells | 7,238.4 | 7,731.8 | 10,793.8 | 11,792.1 | 17,239.9 | 27,421.9 | 28,926.6 |
| Total Producing Wells | 23,193.2 | 22,441.1 | 28,297.5 | 29,217.3 | 37,267.5 | 59,037.4 | 56,462.7 |

¹OECD Europe combined with the former Soviet Union and Eastern Europe to avoid disclosure.

W = data withheld to avoid disclosure.

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B22. Number of Net Wells Completed, and Average Depth, Onshore and Offshore, for FRS Companies, 2001 and 2002

| Drilling and Equipping Measures | Total United States | | | U.S. Onshore | | | U.S. Offshore | | |
|---------------------------------|---------------------|---------|----------------|--------------|---------|----------------|---------------|-------|----------------|
| | 2001 | 2002 | Percent Change | 2001 | 2002 | Percent Change | 2001 | 2002 | Percent Change |
| Exploration | | | | | | | | | |
| Oil Wells | | | | | | | | | |
| Wells Completed | 97.9 | 55.5 | -43.3 | 58.8 | 21.0 | -64.3 | 39.1 | 34.5 | -11.8 |
| Average Depth (thousand feet) | 9.7 | 13.2 | 35.8 | 6.8 | 6.7 | -0.6 | 14.1 | 17.1 | 21.1 |
| Gas Wells | | | | | | | | | |
| Wells Completed | 414.7 | 216.7 | -47.7 | 351.4 | 164.0 | -53.3 | 63.3 | 52.7 | -16.7 |
| Average Depth (thousand feet) | 6.7 | 9.1 | 36.6 | 5.7 | 7.8 | 36.5 | 12.0 | 13.2 | 10.3 |
| Dry Holes | | | | | | | | | |
| Wells Completed | 185.2 | 171.2 | -7.5 | 122.4 | 118.8 | -2.9 | 62.8 | 52.4 | -16.5 |
| Average Depth (thousand feet) | 11.3 | 9.6 | -14.5 | 8.9 | 8.4 | -5.0 | 16.0 | 12.4 | -22.2 |
| Development | | | | | | | | | |
| Oil Wells | | | | | | | | | |
| Wells Completed | 2,054.3 | 1,321.3 | -35.7 | 1,814.6 | 1,186.6 | -34.6 | 239.7 | 134.7 | -43.8 |
| Average Depth (thousand feet) | 5.7 | 6.3 | 10.2 | 5.2 | 5.8 | 12.3 | 9.4 | 10.1 | 7.3 |
| Gas Wells | | | | | | | | | |
| Wells Completed | 5,396.3 | 5,115.7 | -5.2 | 5,226.1 | 4,982.0 | -4.7 | 170.2 | 133.7 | -21.4 |
| Average Depth (thousand feet) | 5.3 | 6.5 | 23.5 | 5.1 | 6.4 | 26.3 | 11.3 | 10.2 | -9.0 |
| Dry Holes | | | | | | | | | |
| Wells Completed | 304.7 | 258.7 | -15.1 | 266.3 | 220.4 | -17.2 | 38.4 | 38.3 | -0.3 |
| Average Depth (thousand feet) | 7.8 | 8.1 | 3.1 | 7.6 | 7.8 | 2.2 | 9.2 | 9.6 | 4.8 |

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B23. Oil and Gas Reserves for FRS Companies and U.S. Industry, 2002

| | Beginning Reserves | Plus Reserve Additions ¹ | Plus Net Purchases | Less Production | Equals Ending Reserves | Replacement Rate (percent) |
|--|----------------------|-------------------------------------|--------------------|-----------------|------------------------|----------------------------|
| Crude Oil and Natural Gas Liquids | | | | | | |
| | (million barrels) | | | | | |
| U.S. Onshore | | | | | | |
| Total U.S. Industry | 24,242.0 | 2,149.0 | 0.0 | 2,048.0 | 24,342.0 | 104.9 |
| FRS Companies | 11,652.2 | 585.4 | 14.6 | 868.9 | 11,383.4 | 67.4 |
| All Other | 12,589.8 | 1,563.6 | -14.6 | 1,179.1 | 12,958.6 | 132.6 |
| U.S. Offshore | | | | | | |
| Total U.S. Industry | 6,197.0 | 842.0 | 0.0 | 711.0 | 6,329.0 | 118.4 |
| FRS Companies | 4,479.7 | 459.9 | 4.3 | 477.5 | 4,466.4 | 96.3 |
| All Other | 1,717.3 | 382.1 | -4.3 | 233.5 | 1,862.6 | 163.6 |
| U.S. Total | | | | | | |
| Total U.S. Industry | 30,439.0 | 2,991.0 | 0.0 | 2,759.0 | 30,671.0 | 108.4 |
| FRS Companies | 16,131.9 | 1,045.3 | 19.0 | 1,346.4 | 15,849.8 | 77.6 |
| All Other | 14,307.1 | 1,945.7 | -19.0 | 1,412.6 | 14,821.2 | 137.7 |
| FRS Companies' | | | | | | |
| Foreign Oil Reserves | | | | | | |
| Canada | 2,583.5 | 228.8 | -389.2 | 234.7 | 2,188.4 | 97.5 |
| Europe | 4,448.6 | -28.9 | -34.1 | 559.7 | 3,825.8 | -5.2 |
| FSU and Eastern Europe | 948.9 | 393.2 | -5.0 | 28.9 | 1,308.2 | 1,360.2 |
| Africa | 5,257.8 | 999.3 | 104.1 | 370.9 | 5,990.3 | 269.4 |
| Middle East | 857.4 | 38.7 | 6.8 | 116.8 | 786.1 | 33.2 |
| Other Eastern Hemisphere | 3,048.5 | 14.3 | -81.1 | 316.7 | 2,664.9 | 4.5 |
| Other Western Hemisphere | 1,599.7 | 14.5 | -38.3 | 119.2 | 1,456.7 | 12.1 |
| Total Foreign | 18,744.4 | 1,659.9 | -436.9 | 1,746.9 | 18,220.5 | 95.0 |
| Worldwide Total for FRS Companies | 34,876.3 | 2,705.2 | -417.9 | 3,093.3 | 34,070.3 | 87.5 |
| Dry Natural Gas | | | | | | |
| | (billion cubic feet) | | | | | |
| U.S. Onshore | | | | | | |
| Total U.S. Industry | 155,127.0 | 20,283.0 | 0.0 | 14,688.0 | 160,722.0 | 138.1 |
| FRS Companies | 68,514.6 | 4,930.9 | 610.5 | 5,920.7 | 68,135.3 | 83.3 |
| All Other | 86,612.4 | 15,352.1 | -610.5 | 8,767.3 | 92,586.7 | 175.1 |
| U.S. Offshore | | | | | | |
| Total U.S. Industry | 28,333.0 | 2,556.0 | 0.0 | 4,665.0 | 26,224.0 | 54.8 |
| FRS Companies | 19,485.1 | 1,048.2 | -26.5 | 2,791.8 | 17,715.1 | 37.5 |
| All Other | 8,847.9 | 1,507.8 | 26.5 | 1,873.2 | 8,508.9 | 80.5 |
| U.S. Total | | | | | | |
| Total U.S. Industry | 183,460.0 | 22,839.0 | 0.0 | 19,353.0 | 186,946.0 | 118.0 |
| FRS Companies | 87,999.7 | 5,979.2 | 583.9 | 8,712.5 | 85,850.3 | 68.6 |
| All Other | 95,460.3 | 16,859.8 | -583.9 | 10,640.5 | 101,095.7 | 158.4 |
| FRS Companies' | | | | | | |
| Foreign Gas Reserves | | | | | | |
| Canada | 15,937.3 | 970.2 | 76.8 | 1,863.3 | 15,121.0 | 52.1 |
| Europe | 21,348.4 | 639.8 | -213.5 | 2,270.4 | 19,504.3 | 28.2 |
| FSU and Eastern Europe | 1,020.2 | 373.7 | 0.0 | 31.7 | 1,362.2 | 1,177.7 |
| Africa | 5,267.6 | 1,031.4 | 563.9 | 214.3 | 6,648.6 | 481.4 |
| Middle East | 610.9 | 115.2 | 52.6 | 90.4 | 688.3 | 127.5 |
| Other Eastern Hemisphere | 24,186.2 | 2,322.0 | -696.1 | 1,849.1 | 23,963.0 | 125.6 |
| Other Western Hemisphere | 16,336.5 | 4,294.8 | -262.1 | 715.1 | 19,654.1 | 138.6 |
| Total Foreign | 84,707.1 | 9,747.1 | -478.4 | 7,034.3 | 86,941.5 | 138.6 |
| Worldwide Total for FRS Companies | 172,706.8 | 15,726.3 | 105.5 | 15,746.8 | 172,791.9 | 99.9 |

¹ Excludes net purchases of minerals in place; includes crude oil and natural gas liquids (measured in millions of barrels) and natural gas (measured in millions of barrels of crude oil equivalent). The conversion factor for natural gas is 0.178 barrels of crude / 1000 cubic feet. Reserve additions include the net of corrections and adjustments.

Note: "Net Ownership Interest" is defined as net working interest plus own royalty interest.

Sources: Industry data - Energy Information Administration Form EIA-23 (Annual Survey of Domestic Oil and Gas Reserves); see *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves Annual Report*, 2001 and 2002 (November 2002 and November 2003).

FRS companies' data - Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B24. Oil and Gas Reserve Balances by Region for FRS Companies, 2002

| Reserves Statistics | Worldwide Total | United States | | Total Foreign | |
|--|----------------------|---------------|---------|------------------|----------|
| | | Total | Onshore | | Offshore |
| Crude Oil and Natural Gas Liquids | | | | | |
| | (million barrels) | | | | |
| Beginning of Period | 34,876 | 16,132 | 11,652 | 4,480 | 18,744 |
| Revisions of Previous Estimates | 29 | 105 | 109 | -4 | -76 |
| Improved Recovery | 685 | 346 | 247 | 99 | 338 |
| Purchases of Minerals-in-Place | 1,497 | 473 | 430 | 44 | 1,024 |
| Extensions & Discoveries | 1,991 | 594 | 229 | 365 | 1,397 |
| Production | -3,093 | -1,346 | -869 | -477 | -1,747 |
| Sales of Minerals-in-Place | -1,915 | -454 | -415 | -40 | -1,461 |
| End of period | 34,070 | 15,850 | 11,383 | 4,466 | 18,221 |
| Proportionate Interest in Investee Reserves and Foreign Access Reserves | -- | -- | -- | -- | 7,383 |
| Natural Gas Reserves | | | | | |
| | (billion cubic feet) | | | | |
| Beginning of Period | 172,707 | 88,000 | 68,515 | 19,485 | 84,707 |
| Revisions of Previous Estimates | 694 | -1,111 | -558 | -553 | 1,805 |
| Improved Recovery | 2,327 | 821 | 780 | 41 | 1,506 |
| Purchases of Minerals-in-Place | 12,649 | 5,562 | 5,297 | 265 | 7,087 |
| Extensions & Discoveries | 12,705 | 6,269 | 4,709 | 1,560 | 6,436 |
| Production | -15,747 | -8,713 | -5,921 | -2,792 | -7,034 |
| Sales of Minerals-in-Place | -12,544 | -4,978 | -4,687 | -292 | -7,566 |
| End of Period | 172,792 | 85,850 | 68,135 | 17,715 | 86,942 |
| Proportionate Interest in Investee Reserves and Foreign Access Reserves | -- | -- | -- | -- | 29,512 |

See footnotes at end of table.

Table B24. Oil and Gas Reserve Balances by Region for FRS Companies, 2002 (Continued)

| Reserves Statistics | Foreign | | | | | |
|---|----------------------|--------|---|------------------------|--------------------------|--------------------------|
| | Total | Canada | Europe and Former Soviet Union ¹ | Africa and Middle East | Other Eastern Hemisphere | Other Western Hemisphere |
| Crude Oil and Natural Gas Liquids | | | | | | |
| | (million barrels) | | | | | |
| Beginning of Period | 18,744 | 2,584 | 5,397 | 6,115 | 3,049 | 1,600 |
| Revisions of Previous Estimates | -76 | 78 | -116 | 182 | -113 | -106 |
| Improved Recovery | 338 | 9 | 22 | 237 | W | W |
| Purchases of Minerals-in-Place | 1,024 | 150 | 475 | 196 | W | W |
| Extensions & Discoveries | 1,397 | 141 | 458 | 619 | 100 | 79 |
| Production | -1,747 | -235 | -589 | -488 | -317 | -119 |
| Sales of Minerals-in-Place | -1,461 | -540 | -515 | -85 | -234 | -87 |
| End of period | 18,221 | 2,188 | 5,134 | 6,776 | 2,665 | 1,457 |
| Proportionate Interest in Investee Reserves and Foreign Access Reserves | 7,383 | W | 3,235 | W | W | 2,709 |
| Natural Gas Reserves | | | | | | |
| | (billion cubic feet) | | | | | |
| Beginning of Period | 84,707 | 15,937 | 22,369 | 5,878 | 24,186 | 16,337 |
| Revisions of Previous Estimates | 1,805 | -508 | 354 | 272 | 1,554 | 133 |
| Improved Recovery | 1,506 | 11 | W | W | 51 | W |
| Purchases of Minerals-in-Place | 7,087 | 1,711 | 2,798 | 668 | 1,909 | 0 |
| Extensions & Discoveries | 6,436 | 1,467 | 622 | 726 | 717 | 2,905 |
| Production | -7,034 | -1,863 | -2,302 | -305 | -1,849 | -715 |
| Sales of Minerals-in-Place | -7,566 | -1,634 | W | W | -2,605 | W |
| End of Period | 86,942 | 15,121 | 20,866 | 7,337 | 23,963 | 19,654 |
| Proportionate Interest in Investee Reserves and Foreign Access Reserves | 29,512 | 42 | 19,980 | W | W | 2,368 |

¹ OECD Europe combined with the former Soviet Union and Eastern Europe to avoid disclosure. Prior to 1993, only OECD Europe is included in this region.

-- = Not applicable.

W = Data withheld to avoid disclosure.

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B25. Oil and Gas Exploration and Development Expenditures, Reserves, and Production by Region for FRS Companies and Total Industry, 2002 and Percent Change from 2001

| | United States | | | Foreign Total |
|--|---------------|----------|----------|---------------|
| | Total | Onshore | Offshore | |
| Exploration and Development Expenditures (million dollars) | | | | |
| FRS Companies | 31,812.0 | 22,330.0 | 9,482.0 | 31,372.0 |
| Percent Change | -6.0 | -7.9 | -1.4 | -12.7 |
| Wells Completed | | | | |
| FRS Companies | 7,139.1 | 6,692.8 | 446.3 | 5,416.8 |
| Percent Change | -15.5 | -14.6 | -27.2 | 9.5 |
| Industry ¹ | 26,442.0 | 25,927.0 | 515.0 | 21,493.0 |
| Percent Change | -25.9 | -27.0 | 208.4 | -16.3 |
| Success Rate² | | | | |
| FRS Companies | 94.0 | 94.9 | 79.7 | 92.3 |
| Industry ¹ | 86.7 | 87.2 | 58.3 | 93.2 |
| Crude Oil and NGL Production³ (million barrels) | | | | |
| FRS Companies | 1,346.4 | 868.9 | 477.5 | 1,778.3 |
| Percent Change | -1.2 | -0.9 | -1.8 | 1.2 |
| Industry ¹ | 2,759.0 | 2,048.0 | 711.0 | 22,765.3 |
| Percent Change | -1.6 | -1.3 | -2.6 | -1.7 |
| Crude Oil and NGL Reserve Interests⁴ (million barrels) | | | | |
| FRS Companies | 15,849.8 | 11,383.4 | 4,466.4 | 25,603.8 |
| Percent Change | -1.3 | -2.6 | 2.2 | 3.2 |
| Natural Gas Production (billion cubic feet) | | | | |
| FRS Companies | 8,712.5 | 5,920.7 | 2,791.8 | 7,034.3 |
| Percent Change | -1.4 | 3.5 | -10.4 | 11.5 |
| Industry ¹ | 19,353.0 | 14,688.0 | 4,665.0 | 68,347.9 |
| Percent Change | -2.2 | 0.7 | -10.1 | 3.1 |
| Natural Gas Reserve Interests (billion cubic feet) | | | | |
| FRS Companies | 85,850.3 | 68,135.3 | 17,715.1 | 116,454.0 |
| Percent Change | 0.1 | 2.2 | -7.1 | 4.0 |

See footnotes at end of table.

Table B25. Oil and Gas Exploration and Development Expenditures, Reserves, and Production by Region for FRS Companies and Total Industry, 2002 and Percent Change from 2001 (Continued)

| | Foreign | | | | | | |
|---|-----------|----------|---|---------|-------------|--------------------------|--------------------------|
| | Total | Canada | Europe & Former Soviet Union ⁵ | Africa | Middle East | Other Eastern Hemisphere | Other Western Hemisphere |
| Exploration and Development | | | | | | | |
| Expenditures (million dollars) | | | | | | | |
| FRS Companies | 31,372.0 | 6,687.0 | 11,067.0 | 5,091.0 | 774.0 | 6,195.0 | 1,558.0 |
| Percent Change | -12.7 | -56.4 | 77.0 | -8.2 | 4.7 | 24.1 | -49.6 |
| Wells Completed | | | | | | | |
| FRS Companies | 5,416.8 | 3,886.4 | 128.4 | 201.7 | 100.0 | 833.9 | 266.4 |
| Percent Change | 9.5 | 14.1 | -28.3 | 35.0 | 13.3 | 1.6 | -12.1 |
| Foreign Industry ¹ | 21,493.0 | 14,237.0 | 687.0 | 854.0 | 1,050.0 | 1,649.0 | 3,016.0 |
| Percent Change | -16.3 | -19.6 | -11.4 | 33.0 | 38.5 | -20.1 | -19.3 |
| Success Rate² (percent) | | | | | | | |
| FRS Companies | 92.3 | 92.1 | 87.7 | 83.3 | 95.5 | 95.2 | 94.6 |
| Foreign Industry ¹ | 93.2 | 94.0 | 100.9 | 85.7 | 97.2 | 88.9 | 92.9 |
| Crude Oil and NGL Production³ | | | | | | | |
| (million barrels) | | | | | | | |
| FRS Companies | 1,778.3 | 234.7 | 588.6 | 370.9 | 148.2 | 316.7 | 119.2 |
| Percent Change | 1.2 | 15.1 | -4.1 | 3.2 | -2.2 | -1.1 | 9.7 |
| Foreign Industry ¹ | 22,765.3 | 1,051.2 | 5,745.9 | 2,897.0 | 7,655.0 | 1,679.0 | 3,737.2 |
| Percent Change | -1.7 | 4.2 | 1.8 | 1.6 | -5.7 | -0.8 | -3.1 |
| Crude Oil and NGL Reserve | | | | | | | |
| Interests⁴ (million barrels) | | | | | | | |
| FRS Companies | 25,603.8 | 2,262.0 | 8,369.2 | 5,990.3 | 2,119.0 | 2,697.2 | 4,166.0 |
| Percent Change | 3.2 | -13.7 | 5.7 | 13.9 | -3.6 | -12.8 | 12.2 |
| Natural Gas Production | | | | | | | |
| (billion cubic feet) | | | | | | | |
| FRS Companies | 7,034.3 | 1,863.3 | 2,302.1 | 214.3 | 90.4 | 1,849.1 | 715.1 |
| Percent Change | 11.5 | 24.5 | -3.2 | 37.1 | 1.9 | 17.3 | 16.4 |
| Foreign Industry ¹ | 68,347.9 | 6,477.6 | 34,408.1 | 4,702.0 | 8,316.7 | 9,499.2 | 4,864.3 |
| Percent Change | 3.1 | 6.7 | 0.5 | 7.4 | 3.3 | 7.8 | 2.2 |
| Natural Gas Reserve Interests | | | | | | | |
| (billion cubic feet) | | | | | | | |
| FRS Companies | 116,454.0 | 15,162.6 | 40,846.3 | 6,648.6 | 6,380.1 | 25,394.6 | 22,021.8 |
| Percent Change | 4.0 | -5.0 | -0.9 | 26.2 | 31.6 | -1.0 | 15.7 |

¹Foreign industry levels defined as total activity outside of the United States except the People's Republic of China.

²Success Rate defined as the total number of successful well completions during the period divided by the total number of wells drilled.

³Crude oil plus natural gas liquids. Foreign includes ownership interest production and foreign access production.

⁴Foreign includes net ownership interest reserves (71.2 percent of total foreign) and "Other Access" reserves (28.8 percent of total foreign). "Other Access" reserves include proportional interest in investee reserves and foreign access reserves.

⁵OECD Europe combined with the former Soviet Union and Eastern Europe to avoid disclosure.

Sources: Reserve additions, U.S. - Energy Information Administration Form EIA-23 (Annual Survey of Domestic Oil and Gas Reserves); see *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, 2001, and 2002 Annual Reports. Wells completed, U.S. - special compilation provided by the Energy Information Administration's Office of Oil and Gas. Totals are based on data which appeared in the Energy Information Administration's *Monthly Energy Review*, October 2003, p. 84. Reserve Additions, Foreign - *British Petroleum Statistical Review of World Energy 2002 and 2003*. Wells Completed, Foreign - *World Oil*, August 2002 and 2003.

FRS companies' data - Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B26. U.S. and Foreign Refining/Marketing Sources and Dispositions of Crude Oil and Natural Gas Liquids for FRS Companies, 1996-2002
(million barrels)

| | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| U.S. Refining/Marketing | | | | | | | |
| Sources | | | | | | | |
| Acquisitions from U.S. Production Segment | 1,599 | 1,542 | 1,484 | 1,516 | 1,238 | 1,358 | 1,368 |
| Purchases from Other U.S. Segments and Unconsolidated Affiliates | 459 | 468 | 1,935 | 2,181 | 2,149 | 2,629 | 1,709 |
| Purchases from Third Parties | 4,488 | 4,444 | 4,968 | 5,205 | 5,340 | 3,679 | 4,219 |
| Net Transfers from Foreign Refining/Marketing Segment | 566 | 571 | 635 | 475 | 324 | 716 | 631 |
| Total Sources | 7,112 | 7,025 | 9,021 | 9,377 | 9,050 | 8,383 | 7,926 |
| Dispositions | | | | | | | |
| Net Change in Inventories | 21 | 14 | 31 | -1 | -4 | -1 | -28 |
| Input to Refineries | 3,563 | 3,259 | 4,883 | 4,872 | 4,690 | 4,668 | 4,711 |
| Sales to: | | | | | | | |
| Unaffiliated Third Parties | 3,291 | 3,424 | 3,730 | 4,147 | 4,281 | 3,391 | 3,060 |
| Other Segments Excluding Foreign Refining/Marketing | 237 | 328 | 377 | 359 | 84 | 325 | 183 |
| Total Dispositions | 7,112 | 7,025 | 9,021 | 9,377 | 9,050 | 8,383 | 7,926 |
| Foreign Refining/Marketing | | | | | | | |
| Sources | | | | | | | |
| Acquisitions from Foreign Production Segment | 1,371 | 1,391 | 1,380 | 1,462 | 1,585 | 1,661 | 1,590 |
| Purchases | | | | | | | |
| Other Foreign Segments | 88 | W | W | W | W | W | W |
| Unconsolidated Affiliates | 89 | W | W | W | W | W | W |
| Unaffiliated Third Parties | | | | | | | |
| Foreign Access | 145 | 228 | 209 | W | W | W | W |
| Foreign Governments (Open Market) | 844 | 851 | 679 | W | W | W | W |
| Other Unaffiliated Third Parties | 1,819 | 1,785 | 2,000 | 2,244 | 2,165 | 2,459 | 1,626 |
| Net Transfers to U.S. Refining/Marketing | -566 | -571 | -635 | -475 | -324 | -716 | -631 |
| Total Sources | 3,790 | 3,699 | 4,021 | 4,307 | 4,067 | 4,200 | 3,287 |
| Dispositions | | | | | | | |
| Net Change in Inventories | 38 | 18 | 155 | -19 | 10 | -2 | 0 |
| Input to Refineries | 1,605 | 1,435 | 1,419 | 1,641 | 1,673 | 1,682 | 1,639 |
| Sales | 2,147 | 2,246 | 2,446 | 2,685 | 2,384 | 2,520 | 1,647 |
| Total Dispositions | 3,790 | 3,699 | 4,021 | 4,307 | 4,067 | 4,200 | 3,287 |

W = Data withheld to avoid disclosure.

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B27. U.S. Purchases and Sales of Oil, Natural Gas, Other Raw Materials, and Refined Products for FRS Companies, 1996-2002

| | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|---|---------|---------|---------|---------|---------|---------|---------|
| Purchases | | | | | | | |
| Values (million dollars) | | | | | | | |
| U.S. Refining/Marketing Segment | | | | | | | |
| Raw Materials | | | | | | | |
| Crude Oil and NGL | 138,397 | 126,535 | 106,128 | 152,880 | 253,092 | 192,228 | 186,084 |
| Natural Gas | 15,651 | 18,657 | 15,177 | 20,387 | 58,679 | 38,947 | 33,744 |
| Other Raw Materials | 2,697 | 3,159 | 5,348 | 5,705 | 8,395 | 7,852 | 7,950 |
| Total Raw Materials | 156,745 | 148,351 | 126,653 | 178,972 | 320,166 | 239,027 | 227,778 |
| Refined Products | | | | | | | |
| Motor Gasoline | 18,078 | 18,613 | 24,249 | 36,095 | 65,488 | 64,609 | 59,357 |
| Distillate Fuels | 9,634 | 9,565 | 10,574 | 17,433 | 35,116 | 31,323 | 27,031 |
| Other Refined Products | 10,246 | 9,141 | 8,786 | 9,963 | 17,036 | 18,895 | 16,868 |
| Total Refined Products | 37,958 | 37,319 | 43,609 | 63,491 | 117,640 | 114,827 | 103,256 |
| U.S. Production Segment | | | | | | | |
| Crude Oil and NGL | 5,163 | 5,399 | 4,694 | 5,695 | 4,794 | 1,979 | 721 |
| Natural Gas | 10,715 | 11,220 | 8,922 | 8,608 | 12,208 | 14,113 | 11,785 |
| Total Raw Materials | 15,878 | 16,619 | 13,616 | 14,303 | 17,002 | 16,092 | 12,506 |
| Sales | | | | | | | |
| U.S. Refining/Marketing Segment | | | | | | | |
| Raw Materials | | | | | | | |
| Crude Oil and NGL | 69,485 | 70,437 | 50,702 | 72,955 | 121,118 | 86,675 | 75,241 |
| Natural Gas | 15,790 | 18,252 | 15,270 | 20,023 | 56,482 | 37,648 | 32,882 |
| Other Raw Materials | 1,276 | 1,499 | 2,172 | 1,576 | 2,403 | 2,203 | 944 |
| Total Raw Materials | 86,551 | 90,188 | 68,144 | 94,554 | 180,003 | 126,526 | 109,067 |
| Refined Products | | | | | | | |
| Motor Gasoline | 75,330 | 71,185 | 84,968 | 109,301 | 176,394 | 167,735 | 158,691 |
| Distillate Fuels | 41,618 | 36,962 | 39,513 | 51,810 | 91,998 | 83,702 | 75,929 |
| Other Refined Products | 24,577 | 20,964 | 23,283 | 28,506 | 42,269 | 40,172 | 37,570 |
| Total Refined Products | 141,525 | 129,111 | 147,764 | 189,617 | 310,661 | 291,609 | 272,190 |
| U.S. Production Segment | | | | | | | |
| Crude Oil and NGL | 32,948 | 30,604 | 19,688 | 25,186 | 38,314 | 31,613 | 30,930 |
| Natural Gas | 26,840 | 29,459 | 23,649 | 23,178 | 40,719 | 47,390 | 40,208 |
| Total Raw Materials | 59,788 | 60,063 | 43,337 | 48,364 | 79,033 | 79,003 | 71,138 |
| Purchases | | | | | | | |
| Volumes | | | | | | | |
| U.S. Refining/Marketing Segment | | | | | | | |
| Raw Materials | | | | | | | |
| Crude Oil and NGL (million barrels) | 7,112 | 7,025 | 9,021 | 9,377 | 9,050 | 8,383 | 7,926 |
| Natural Gas (billion cubic feet) | 7,506 | 7,573 | 7,425 | 9,285 | 13,323 | 9,147 | 10,458 |
| Refined Products (million barrels) | | | | | | | |
| Motor Gasoline | 677 | 689 | 1,272 | 1,533 | 1,708 | 1,892 | 1,840 |
| Distillate Fuels | 380 | 397 | 625 | 837 | 943 | 987 | 944 |
| Other Refined Products | 363 | 329 | 464 | 446 | 535 | 625 | 633 |
| Total Refined Products | 1,420 | 1,415 | 2,361 | 2,815 | 3,186 | 3,504 | 3,417 |
| U.S. Production Segment | | | | | | | |
| Crude Oil and NGL (million barrels) | 300 | 308 | 394 | 367 | 200 | 88 | 37 |
| Natural Gas (billion cubic feet) | 4,723 | 4,551 | 4,295 | 3,835 | 3,276 | 3,461 | 3,956 |
| Sales | | | | | | | |
| U.S. Refining/Marketing Segment | | | | | | | |
| Raw Materials | | | | | | | |
| Crude Oil and NGL (million barrels) | 3,528 | 3,752 | 4,107 | 4,506 | 4,365 | 3,716 | 3,243 |
| Natural Gas (billion cubic feet) | 7,195 | 7,242 | 6,764 | 8,834 | 13,001 | 8,460 | 9,783 |
| Refined Products (million barrels) | | | | | | | |
| Motor Gasoline | 2,488 | 2,371 | 3,789 | 4,070 | 4,286 | 4,539 | 4,551 |
| Distillate Fuels | 1,562 | 1,473 | 2,146 | 2,344 | 2,444 | 2,540 | 2,490 |
| Other Refined Products | 1,069 | 1,008 | 1,342 | 1,407 | 1,405 | 1,528 | 1,351 |
| Total Refined Products | 5,119 | 4,852 | 7,277 | 7,820 | 8,135 | 8,606 | 8,392 |
| U.S. Production Segment | | | | | | | |
| Crude Oil and NGL (million barrels) | 1,933 | 1,860 | 1,805 | 1,667 | 1,484 | 1,498 | 1,433 |
| Natural Gas (billion cubic feet) | 12,281 | 12,421 | 11,765 | 10,952 | 11,348 | 11,957 | 13,109 |

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B28. U.S. and Foreign Petroleum Refining Statistics for FRS Companies, 1996-2002

| | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|--|--------|--------|--------|--------|--------|--------|--------|
| U.S. Refining | | | | | | | |
| (thousand barrels per calendar day) | | | | | | | |
| Runs to Stills | | | | | | | |
| At Own Refineries | 9,777 | 9,060 | 13,699 | 13,476 | 13,361 | 13,875 | 13,307 |
| By Refineries of Others | 5 | 5 | 0 | 82 | 86 | 105 | 80 |
| Total Runs to Stills | 9,782 | 9,065 | 13,699 | 13,558 | 13,447 | 13,980 | 13,387 |
| Refinery Output at Own Refineries and Refineries of Others | | | | | | | |
| Reformulated Motor Gasoline | 1,302 | 768 | 1,552 | 1,792 | 2,129 | 2,061 | 1,991 |
| Oxygenated Motor Gasoline | 165 | 749 | 1,018 | 609 | 412 | 588 | 552 |
| Other Motor Gasoline | 3,410 | 2,980 | 4,665 | 4,588 | 4,207 | 4,373 | 4,456 |
| Total Motor Gasoline | 4,877 | 4,497 | 7,235 | 6,989 | 6,748 | 7,022 | 6,999 |
| Distillate Fuels | 3,323 | 2,921 | 4,278 | 4,167 | 4,376 | 4,331 | 4,167 |
| Other Refined Products | 2,754 | 2,612 | 3,416 | 3,483 | 3,375 | 3,669 | 3,595 |
| Total Refinery Output | 10,954 | 10,030 | 14,929 | 14,639 | 14,499 | 15,022 | 14,761 |
| Refinery Capacity at End of Year | 10,477 | 9,410 | 14,277 | 14,158 | 14,424 | 14,682 | 14,557 |
| (number of refineries) | | | | | | | |
| Number of Wholly-Owned Refineries | 69 | 60 | 95 | 94 | 90 | 99 | 84 |
| (thousand barrels per calendar day) | | | | | | | |
| Foreign Refining | | | | | | | |
| Runs to Stills | | | | | | | |
| At Own Refineries | 3,936 | 3,961 | 4,043 | 4,407 | 4,513 | 4,620 | 4,778 |
| By Refineries of Others | 506 | 340 | 292 | 397 | 403 | 339 | 325 |
| Total Runs to Stills | 4,442 | 4,301 | 4,335 | 4,804 | 4,916 | 4,959 | 5,103 |
| Refinery Output at Own Refineries | | | | | | | |
| Motor Gasoline | 1,172 | 1,041 | 1,135 | 1,247 | 1,295 | 1,293 | 1,427 |
| Distillate Fuels | 1,690 | 1,648 | 1,787 | 1,901 | 1,738 | 1,744 | 2,041 |
| Other Refined Products | 1,280 | 1,283 | 1,213 | 1,315 | 1,717 | 1,729 | 1,405 |
| Total Refinery Output at Own Refineries | 4,142 | 3,972 | 4,135 | 4,463 | 4,750 | 4,766 | 4,873 |
| Refinery Output at Refineries of Others | | | | | | | |
| Motor Gasoline | 107 | 75 | 83 | 122 | 123 | 120 | 117 |
| Distillate Fuels | 234 | 154 | 121 | 135 | 171 | 155 | 175 |
| Other Refined Products | 165 | 110 | 87 | 146 | 80 | 84 | 70 |
| Total Refinery Output at Refineries of Others | 506 | 339 | 291 | 403 | 374 | 359 | 362 |
| Total Refinery Output | 4,648 | 4,311 | 4,426 | 4,866 | 5,124 | 5,125 | 5,235 |
| Refinery Capacity at End of Year | 4,346 | 4,270 | 4,508 | 4,930 | 5,134 | 5,572 | 5,642 |
| (number of refineries) | | | | | | | |
| Number of Wholly-Owned Refineries | 20 | 20 | 20 | 19 | 18 | 23 | 22 |
| Number of Partially-Owned Refineries | 12 | 15 | 15 | 18 | 18 | 18 | 19 |

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B29. U.S. and Foreign Refinery Output and Capacity for FRS Companies, Ranked by Total Energy Assets, and Industry, 2002
(Thousand Barrels per Day)

| Refined Product Statistics ¹ | FRS Companies | | | | Total Industry | FRS Percent of Industry |
|---|---------------|----------|----------------------------------|------------------------|----------------|-------------------------|
| | All FRS | Top Four | Five through Twelve ² | All Other ² | | |
| United States | | | | | | |
| Refinery Output Volume ³ | 14,761 | 5,089 | 4,354 | 5,318 | 17,655 | 83.6 |
| Percent Gasoline | | | | | | |
| Reformulated/Oxygenated | 17.2 | 17.0 | 16.9 | 17.7 | 17.2 | 83.8 |
| Other | 30.2 | 28.7 | 30.7 | 31.2 | 30.1 | 84.0 |
| Percent Distillate | 28.2 | 28.3 | 27.5 | 28.8 | 30.0 | 78.6 |
| Percent Other | 24.4 | 26.0 | 24.9 | 22.3 | 22.7 | 89.6 |
| Refinery Capacity | | | | | | |
| Years Change (Net) | -125 | -51 | 553 | -627 | -29 | (5) |
| At Year End | 14,557 | 4,544 | 4,542 | 5,471 | 17,339 | 84.0 |
| Utilization Rate ⁴ | 91.0 | 96.8 | 92.0 | 85.8 | 88.4 | (5) |
| Foreign | | | | | | |
| Refinery Output Volume ³ | 5,235 | 4,583 | 0 | 652 | - | (5) |
| Percent Gasoline | 29.5 | 29.1 | 0.0 | 32.4 | - | (5) |
| Percent Distillate | 42.3 | 42.0 | 0.0 | 44.9 | - | (5) |
| Percent Other | 28.2 | 29.0 | 0.0 | 22.7 | - | (5) |
| Refinery Capacity | | | | | | |
| Years Change (Net) | 70 | 197 | 0 | -127 | 0 | (5) |
| At Year End | 5,642 | 5,121 | 0 | 521 | 0 | 0.0 |
| Utilization Rate ³ | 85.2 | 82.3 | 0.0 | 110.4 | 0.0 | (5) |

¹U.S. FRS and U.S. industry data include operations in Puerto Rico and the U.S. Virgin Islands. Foreign FRS and foreign industry data exclude operations in Puerto Rico and the U.S. Virgin Islands, as well as China.

²For foreign FRS, the "Five through Twelve" and "All Other" groups are combined to avoid disclosure.

³For FRS companies, includes refinery output at own refineries for own account and at others' refineries for own account.

⁴Defined as average daily crude runs at own refineries, for own account, and for account of others, divided by average daily crude distillation capacity.

⁵Not meaningful.

Note: Sum of components may not equal total due to independent rounding.

Sources: Industry data, U.S. - Refinery output and refinery capacity: Energy Information Administration, Forms EIA-820 (Annual Refinery Report) and EIA-810 (Monthly Refinery Report); see *Petroleum Supply Annual*, 2001 and 2002. Industry data, Foreign - Refinery Capacity: *British Petroleum Statistical Review of World Energy*, 2002 and 2003.

FRS companies data - Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B30. U.S. Refining/Marketing Dispositions of Refined Products by Channel of Distribution for FRS Companies, 1996-2002

| U.S. Dispositions | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|--|------------------------------|---------|---------|---------|---------|---------|---------|
| Motor Gasoline | | | | | | | |
| | Values (million dollars) | | | | | | |
| Intersegment Sales | 400 | 581 | 966 | 1,521 | 1,802 | 2,521 | 3,500 |
| U.S. Third-Party Sales | | | | | | | |
| Wholesale-Resellers | 32,500 | 31,895 | 38,659 | 51,908 | 83,203 | 69,799 | 68,311 |
| Company Operated Automotive Outlets | 11,293 | 11,855 | 15,497 | 17,334 | 24,870 | 22,843 | 18,662 |
| Company Lessee and Open Automotive Outlets | 21,725 | 20,517 | 23,966 | 29,434 | 48,693 | 45,798 | 40,720 |
| Other (Industrial, Commercial and Other Retail) | 9,412 | 6,337 | 5,880 | 9,104 | 17,826 | 26,774 | 27,498 |
| Total Third-Party Sales | 74,930 | 70,604 | 84,002 | 107,780 | 174,592 | 165,214 | 155,191 |
| Total Motor Gasoline Sales | 75,330 | 71,185 | 84,968 | 109,301 | 176,394 | 167,735 | 158,691 |
| Distillate Fuels | | | | | | | |
| Intersegment Sales | 291 | 191 | 682 | 708 | 444 | 535 | 2,387 |
| Third-Party Sales | 41,327 | 36,771 | 38,831 | 51,102 | 91,554 | 83,167 | 73,542 |
| Total Distillate Fuels Sales | 41,618 | 36,962 | 39,513 | 51,810 | 91,998 | 83,702 | 75,929 |
| Other Refined Products | | | | | | | |
| Intersegment Sales | 4,124 | 3,322 | 2,059 | 2,779 | 6,078 | 7,386 | 4,474 |
| Third-Party Sales | 20,453 | 17,642 | 21,224 | 25,727 | 36,191 | 32,786 | 33,096 |
| Total Other Refined Products Sales | 24,577 | 20,964 | 23,283 | 28,506 | 42,269 | 40,172 | 37,570 |
| Total U.S. Refined Products | | | | | | | |
| Intersegment Sales | 4,815 | 4,094 | 3,707 | 5,008 | 8,324 | 10,442 | 10,361 |
| Third-Party Sales | 136,710 | 125,017 | 144,057 | 184,609 | 302,337 | 281,167 | 261,829 |
| Total U.S. Refined Products Sales | 141,525 | 129,111 | 147,764 | 189,617 | 310,661 | 291,609 | 272,190 |
| Motor Gasoline | | | | | | | |
| | Volumes (million barrels) | | | | | | |
| Intersegment Sales | 12 | 18 | 50 | 66 | 47 | 79 | 101 |
| U.S. Third-Party Sales | | | | | | | |
| Wholesale-Resellers | 1,154 | 1,150 | 1,901 | 2,059 | 2,126 | 1,956 | 2,032 |
| Company Operated Automotive Outlets | 319 | 335 | 558 | 540 | 543 | 545 | 464 |
| Company Lessee and Open Automotive Outlets | 653 | 615 | 965 | 1,006 | 1,105 | 1,182 | 1,133 |
| Other (Industrial, Commercial and Other Retail) | 350 | 253 | 316 | 399 | 465 | 777 | 820 |
| Total Third-Party Sales | 2,476 | 2,353 | 3,739 | 4,004 | 4,239 | 4,460 | 4,450 |
| Total Motor Gasoline Sales | 2,488 | 2,371 | 3,789 | 4,070 | 4,286 | 4,539 | 4,551 |
| Distillate Fuels | | | | | | | |
| Intersegment Sales | 12 | 8 | 38 | 33 | 13 | 17 | 85 |
| Third-Party Sales | 1,550 | 1,464 | 2,109 | 2,310 | 2,430 | 2,522 | 2,405 |
| Total Distillate Fuels Sales | 1,562 | 1,473 | 2,146 | 2,344 | 2,444 | 2,540 | 2,490 |
| Other Refined Products | | | | | | | |
| Intersegment Sales | 209 | 254 | 141 | 153 | 213 | 258 | 162 |
| Third-Party Sales | 860 | 755 | 1,201 | 1,254 | 1,191 | 1,269 | 1,188 |
| Total Other Refined Products Sales | 1,069 | 1,008 | 1,342 | 1,407 | 1,405 | 1,528 | 1,351 |
| Total U.S. Refined Products | | | | | | | |
| Intersegment Sales | 232 | 280 | 229 | 252 | 274 | 354 | 348 |
| Third-Party Sales | 4,886 | 4,572 | 7,048 | 7,568 | 7,861 | 8,252 | 8,043 |
| Total U.S. Refined Products Sales | 5,119 | 4,852 | 7,277 | 7,820 | 8,135 | 8,606 | 8,392 |
| Number of Active Automotive Outlets at Year End | | | | | | | |
| | Number of Automotive Outlets | | | | | | |
| Company Operated | 8,927 | 8,942 | 13,645 | 12,018 | 12,583 | 11,380 | 9,745 |
| Lessee Dealers | 15,247 | 12,852 | 16,396 | 17,847 | 16,953 | 11,474 | 9,371 |
| Open Dealers | 14,151 | 11,959 | 28,859 | 26,805 | 25,707 | 31,231 | 26,277 |
| Total Outlets | 38,325 | 33,753 | 58,900 | 56,670 | 55,243 | 54,085 | 45,393 |

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B31. Sales of U.S. Refined Products, by Volume and Price, for FRS Companies
Ranked by Total Energy Assets, 2001-2002
(Million Barrels and Dollars per Barrel)

| Product Distribution Channel | All FRS | | Top Four | | Five through Twelve | | All Other | |
|-------------------------------|---------|-------|----------|-------|---------------------|-------|-----------|-------|
| | Volume | Price | Volume | Price | Volume | Price | Volume | Price |
| Gasoline | | | | | | | | |
| Intra-Company Sales | | | | | | | | |
| 2002 | 101.4 | 34.51 | 101.4 | 34.51 | W | W | 0.0 | 0.00 |
| 2001 | 78.8 | 31.99 | 77.8 | 31.95 | W | W | 0.0 | 0.00 |
| Percent Change | 28.7 | 7.9 | 30.3 | 8.0 | W | W | 0.0 | 0.0 |
| Wholesale/Resellers | | | | | | | | |
| 2002 | 2,032.4 | 33.61 | 695.3 | 34.60 | 371.3 | 34.95 | 965.8 | 32.38 |
| 2001 | 1,955.8 | 35.69 | 676.6 | 36.06 | 324.4 | 36.80 | 954.9 | 35.05 |
| Percent Change | 3.9 | -5.8 | 2.8 | -4.0 | 14.5 | -5.0 | 1.1 | -7.6 |
| Dealer-Operated Outlets | | | | | | | | |
| 2002 | 1,133.4 | 35.93 | 653.4 | 36.23 | 148.8 | 36.68 | 331.2 | 34.99 |
| 2001 | 1,182.1 | 38.74 | 634.5 | 38.22 | 76.7 | 37.59 | 471.0 | 39.63 |
| Percent Change | -4.1 | -7.3 | 3.0 | -5.2 | 94.0 | -2.4 | -29.7 | -11.7 |
| Company-Operated Outlets | | | | | | | | |
| 2002 | 464.3 | 40.20 | 189.0 | 37.56 | 135.2 | 40.50 | 140.1 | 43.46 |
| 2001 | 545.1 | 41.90 | 149.4 | 40.35 | 118.7 | 43.65 | 277.0 | 41.99 |
| Percent Change | -14.8 | -4.1 | 26.5 | -6.9 | 13.8 | -7.2 | -49.4 | 3.5 |
| Other ¹ | | | | | | | | |
| 2002 | 819.8 | 33.54 | 211.7 | 33.69 | 504.6 | 33.65 | 103.6 | 32.71 |
| 2001 | 777.0 | 34.46 | 257.4 | 35.72 | 198.3 | 32.90 | 321.2 | 34.41 |
| Percent Change | 5.5 | -2.7 | -17.8 | -5.7 | 154.4 | 2.3 | -67.8 | -5.0 |
| Total Gasoline | | | | | | | | |
| 2002 | 4,551.2 | 34.87 | 1,850.7 | 35.37 | 1,159.8 | 35.25 | 1,540.8 | 33.97 |
| 2001 | 4,538.9 | 36.96 | 1,795.7 | 36.95 | 719.1 | 36.94 | 2,024.1 | 36.96 |
| Percent Change | 0.3 | -5.6 | 3.1 | -4.3 | 61.3 | -4.6 | -23.9 | -8.1 |
| Distillate | | | | | | | | |
| 2002 | 2,489.9 | 30.49 | 1,008.4 | 31.27 | 658.1 | 30.09 | 823.3 | 29.87 |
| 2001 | 2,539.8 | 32.96 | 988.6 | 33.55 | 415.6 | 33.55 | 1,135.6 | 32.22 |
| Percent Change | -2.0 | -7.5 | 2.0 | -6.8 | 58.4 | -10.3 | -27.5 | -7.3 |
| All Other Products | | | | | | | | |
| 2002 | 1,350.7 | 27.81 | 535.5 | 28.15 | 345.1 | 29.67 | 470.2 | 26.07 |
| 2001 | 1,527.6 | 26.30 | 641.4 | 26.66 | 286.0 | 25.03 | 600.2 | 26.51 |
| Percent Change | -11.6 | 5.8 | -16.5 | 5.6 | 20.7 | 18.5 | -21.7 | -1.6 |
| Total Refined Products | | | | | | | | |
| 2002 | 8,391.9 | 32.43 | 3,394.6 | 33.01 | 2,163.0 | 32.79 | 2,834.3 | 31.47 |
| 2001 | 8,606.3 | 33.88 | 3,425.7 | 34.04 | 1,420.7 | 33.55 | 3,759.9 | 33.86 |
| Percent Change | -2.5 | -4.3 | -0.9 | -3.0 | 52.3 | -2.3 | -24.6 | -7.1 |

¹Includes direct sales to industrial and commercial customers and sales to unconsolidated affiliates.

W = Data withheld to avoid disclosure.

Note: Sum of components may not equal total due to independent rounding.

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

**Table B32. U.S. Refining/Marketing Revenues and Costs for FRS Companies,
1996-2002**
(Million Dollars)

| Revenues and Costs | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Refined Product Revenues | 141,525 | 129,111 | 147,764 | 189,617 | 310,661 | 291,609 | 272,190 |
| Refined Product Costs | | | | | | | |
| Raw Materials Processed ¹ | 70,339 | 58,888 | 60,094 | 83,348 | 135,624 | 109,565 | 116,277 |
| Refinery Energy Expense | 5,480 | 5,005 | 5,349 | 6,427 | 10,838 | 11,321 | 10,114 |
| Other Refinery Expense | 9,882 | 8,436 | 12,219 | 11,734 | 10,635 | 12,274 | 15,202 |
| Product Purchases | 37,958 | 37,319 | 43,609 | 63,491 | 117,640 | 114,827 | 103,256 |
| Other Product Supply Expense | 4,072 | 3,777 | 5,160 | 4,915 | 6,655 | 6,552 | 12,562 |
| Marketing Expense ² | 9,318 | 8,538 | 10,308 | 11,100 | 11,128 | 13,672 | 13,186 |
| Total Refined Product Costs | 137,049 | 121,963 | 136,739 | 181,015 | 292,520 | 268,211 | 270,597 |
| Refined Product Margin | 4,476 | 7,148 | 11,025 | 8,602 | 18,141 | 23,398 | 1,593 |
| Refined Products Sold (million barrels) | 5,118.6 | 4,852.2 | 7,276.9 | 7,820.2 | 8,134.7 | 8,606.3 | 8,391.9 |
| Dollars per Barrel Margin ³ | 0.87 | 1.47 | 1.52 | 1.10 | 2.23 | 2.72 | 0.19 |
| Other Refining/Marketing Revenues ⁴ | 10,731 | 9,693 | 15,997 | 14,282 | 14,196 | 16,918 | 15,343 |
| Other Refining/Marketing Expenses | | | | | | | |
| Depreciation, Depletion, & Allowance | 3,847 | 3,674 | 4,700 | 5,273 | 4,712 | 5,259 | 5,617 |
| Other ⁵ | 7,873 | 8,419 | 15,547 | 12,546 | 16,865 | 18,683 | 12,811 |
| Total Other Expenses | 11,720 | 12,093 | 20,247 | 17,819 | 21,577 | 23,942 | 18,428 |
| Refining/Marketing Operating Income | 3,487 | 4,748 | 6,775 | 5,065 | 10,760 | 16,374 | -1,492 |
| Miscellaneous Revenue & Expense ⁶ | -101 | 204 | 1,315 | 1,367 | 1,265 | 1,866 | 1,002 |
| Less Income Taxes | 1,135 | 1,876 | 2,142 | 1,714 | 4,360 | 6,271 | 346 |
| Refining/Marketing Net Income | 2,251 | 3,106 | 5,932 | 4,883 | 7,659 | 11,951 | -2,164 |

¹Represents reported cost of raw materials processed at refineries, less any profit from raw material trades or exchanges by refining/marketing.

²Excludes costs of nonfuel goods and services and tires, batteries, and accessories (TBA).

³Dollars per barrel of refined product sold.

⁴Includes revenues from transportation services supplied (non-federally regulated), TBA sales, and miscellaneous.

⁵Includes general and administrative expenses, research and development costs, costs of transportation services supplied to others, and expenses for TBA.

⁶Includes other revenue and expense items, extraordinary items, and cumulative effect of accounting changes.

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B33. U.S. Petroleum Refining/Marketing General Operating Expenses for FRS Companies, 1996-2002
(Million Dollars)

| General Operating Expenses | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Raw Material Supply | | | | | | | |
| Raw Material Purchases | 156,745 | 148,351 | 126,653 | 178,972 | 320,166 | 239,027 | 227,778 |
| Other Raw Material Supply Expense | 4,067 | 4,523 | 5,183 | 3,184 | 2,371 | 4,196 | 4,520 |
| Total Raw Material Supply Expense | 160,812 | 152,874 | 131,836 | 182,156 | 322,537 | 243,223 | 232,298 |
| Less: Cost of Raw Materials Input To Refining | 75,892 | 64,132 | 62,955 | 85,270 | 139,931 | 114,400 | 121,192 |
| Net Raw Material Supply | 84,920 | 88,742 | 68,881 | 96,886 | 182,606 | 128,823 | 111,106 |
| Refining | | | | | | | |
| Raw Materials Input to Refining | 75,892 | 64,132 | 62,955 | 85,270 | 139,931 | 114,400 | 121,192 |
| Less: Raw Material Used as Refinery Fuel | 3,922 | 3,798 | 3,598 | 4,254 | 6,910 | 7,132 | 6,954 |
| Refinery Process Energy Expense | 5,480 | 5,005 | 5,349 | 6,427 | 10,838 | 11,321 | 10,114 |
| Other Refining Operating Expenses | 10,631 | 9,173 | 12,984 | 12,928 | 13,675 | 14,657 | 16,459 |
| Refined Product Purchases | 37,958 | 37,319 | 43,609 | 63,491 | 117,640 | 114,827 | 103,256 |
| Other Refined Product Supply Expenses | 4,072 | 3,777 | 5,160 | 4,915 | 6,655 | 6,552 | 12,562 |
| Total Refining | 130,111 | 115,608 | 126,459 | 168,777 | 281,829 | 254,625 | 256,629 |
| Marketing | | | | | | | |
| Cost of Other Products Sold | 5,449 | 6,255 | 6,844 | 5,305 | 7,342 | 9,797 | 8,677 |
| Other Marketing Expenses | 9,318 | 8,538 | 10,308 | 11,100 | 11,128 | 13,672 | 13,186 |
| Subtotal | 14,767 | 14,793 | 17,152 | 16,405 | 18,470 | 23,469 | 21,863 |
| Expense of Transport Services for Others | 507 | 376 | 4,297 | 4,191 | 3,691 | 4,002 | 439 |
| Total Marketing | 15,274 | 15,169 | 21,449 | 20,596 | 22,161 | 27,471 | 22,302 |
| Total U.S. Refining/Marketing Segment | | | | | | | |
| General Operating Expenses | 230,305 | 219,519 | 216,789 | 286,259 | 486,596 | 410,919 | 390,037 |

Source: Energy Information Administration, Form EIA-28 (Financial Reporting System).

Table B34. U.S. Coal Reserves Balance for FRS Companies, 1996-2002
(Million Tons)

| Reserves and Production Statistics | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|--|--------|-------|--------|-------|--------|-------|-------|
| Changes to U.S. Coal Reserves | | | | | | | |
| Beginning of Period | 10,493 | 9,410 | 7,502 | 5,334 | 4,410 | 2,530 | 1,320 |
| Changes due to: | | | | | | | |
| Leases/Purchases of Minerals-in-Place | W | W | W | W | W | W | W |
| Corporate Mergers and Acquisitions | W | W | W | W | W | W | W |
| Other Reserve Changes | 8 | -127 | -17 | -25 | -58 | -354 | 27 |
| Production | -169 | -163 | -74 | -44 | -36 | -33 | -29 |
| Dispositions of Minerals-in-Place | -1,150 | -774 | -2,113 | -802 | -1,799 | W | W |
| End of Period Reserves | 9,542 | 8,498 | 5,334 | 4,507 | 2,530 | 1,320 | 856 |
| Weighted Average Annual Production Capacity | | | | | | | |
| | 192 | 215 | 65 | 55 | 51 | 40 | 40 |
| Reserves and Production: | | | | | | | |
| Total United States | | | | | | | |
| FRS Companies' Reserves | 9,542 | 8,498 | 5,334 | 4,507 | 2,530 | 1,320 | 856 |
| FRS Companies' Production | 169 | 163 | 74 | 44 | 36 | 33 | 29 |
| U.S. Industry Production | 1,064 | 1,090 | 1,118 | 1,100 | 1,074 | 1,128 | 1,093 |
| Region | | | | | | | |
| East | | | | | | | |
| FRS Companies' Reserves | 2,675 | 2,477 | 1,774 | 1,676 | 1,034 | 557 | 227 |
| FRS Companies' Production | 44 | 43 | 24 | 21 | 20 | 16 | 14 |
| U.S. Industry Production | 452 | 468 | 460 | 426 | 420 | 433 | 399 |
| Midwest | | | | | | | |
| FRS Companies' Reserves | 2,467 | 2,080 | 1,372 | 1,055 | 1,051 | 394 | W |
| FRS Companies' Production | 18 | 17 | 12 | W | W | W | W |
| U.S. Industry Production | 112 | 112 | 110 | 104 | 87 | 95 | 93 |
| West | | | | | | | |
| FRS Companies' Reserves | 4,400 | 3,940 | 2,188 | 1,776 | 446 | 370 | W |
| FRS Companies' Production | 107 | 104 | 38 | W | W | W | W |
| U.S. Industry Production | 500 | 511 | 548 | 571 | 566 | 597 | 601 |
| Mining Method | | | | | | | |
| Underground | | | | | | | |
| FRS Companies' Reserves | 4,571 | 3,880 | 2,352 | 1,853 | 1,752 | 886 | 620 |
| FRS Companies' Production | 59 | 51 | 28 | 21 | 21 | 18 | 16 |
| U.S. Industry Production | 410 | 421 | 418 | 392 | 374 | 381 | 357 |
| Surface | | | | | | | |
| FRS Companies' Reserves | 4,970 | 4,618 | 2,982 | 2,654 | 779 | 434 | 236 |
| FRS Companies' Production | 110 | 112 | 46 | 23 | 15 | 15 | 13 |
| U.S. Industry Production | 654 | 669 | 700 | 709 | 700 | 747 | 736 |

W = Data withheld to avoid disclosure.

Sources: Coal production: 1996-2000--Energy Information Administration, *Coal Industry Annual*, annual reports; 2001-2002 - EIA, *Annual Coal Report*, annual reports.

FRS Companies' data - Energy Information Administration, Form EIA-28 (Financial Reporting System).

