



Cell: 19 ENI

#### Comment: Rick Heede:

Wikipedia (Dec11): Eni S.p.A. is an Italian multinational oil and gas company, present in 70 countries, and currently Italy's largest industrial company with a market capitalization of 87.7 billion euros as of July 24, 2008. The Italian government owns a 30% golden share in the company, 20% held through the state Treasury and 10% held through the Cassa depositi e prestiti.

History 1950s–1960s: Despite initial postwar plans to break up Agip, administrator Enrico Mattei converted it to a state monopoly, renamed Eni. The name derives from the initials of the company's original full title Ente Nazionale Idrocarburi, but is no longer used as an acronym. The Italian Government authorized its establishment on February 10, 1953 in order to implement a national energy strategy based on the concentration of all the activities in the energy sector into one group. Eni was to supply energy to Italy and contribute to the country's industrial development.

Exploration and production: Its crude oil production comes primarily from Libya, Egypt, Nigeria, the Congo, the North Sea, and Angola, with smaller amounts of crude oil production in Tunisia and in the United States. Eni's China production began in 1992, although it currently amounts to only 1 percent of Eni's total crude oil production. In 2007, oil and natural gas production for the full year averaged 1.74 millions boe per day, making Eni Europe's third largest refiner, after Royal Dutch Shell and Total S.A.. Eni carried out several hydrocarbon discoveries in recent years; the main discoveries were made in: Angola, Brazil, Congo, Egypt, Indonesia, Nigeria, Norway, Pakistan, Scotland, the Gulf of Mexico and Alaska. In 2007, a total of 81 new exploratory wells were drilled (43.5 of which represented Eni's share). Moreover, the company acquired oil and gas assets in the Gulf of Mexico from Dominion Resources and in onshore Congo from Maurel & Prom with total expenditures amounting to 4.52 billion euro. In January 2010 a consortium led by Eni was awarded a license to develop the Zubair field, one of the largest oil fields in Iraq.

Natural gas: Eni operates in the supply, transport, distribution and sale of natural gas. Gas sales reached 99 billion cubic meters in 2007. In June 2008 the company bought a 57% stake in Distrigas, a Belgian company that supplies natural gas to industries, resellers and electricity producers. In March 2009 it bought the remaining 43%. In December 2010, Eni entered into the shale gas exploration market by acquiring Minsk Energy Resources owning three licences in the Polish Baltic basin.

See also: www.eni.com/ENI\_en\_IT/company/history/our-history.page: "The Start and the Early Post-War Years The 1920/30's - Italy Launches an Oil and Gas Policy Incorporation of AGIP. Exploration begun in Italy and foreign ventures initiated (Romania, Albania, Iraq). Exploration proceeds inside Italy and the Agip distribution network is created. Enrico Mattei is appointed Special Administrator to close down Agip. After discovery of the Caviaga gas field in the Po Valley, the process to liquidate Agip is halted. 1926 Establishment of AGIP (Azienda Generale Italiana Petroli) – Italian General Oil Company 1929 Discovery of the Fontevivo reservoir (Parma) 1931 Agreement with the Soviet Union for direct supply of crude oil 1934 New drilling technique with rotating drills; Agip can now reach 2,000 meters 1936 Agip enters into the refining and petrochemicals business 1938 Natural gas discovery at Podenzano in the Po Valley 1939 First natural gas pipeline in Italy between Petramala and Florence 1941 The Ente Nazionale Metano, Agip, Salsomaggiore Regie Terme and Surgi merged to become the Società Nazionale Metanodotti (Snam) to construct and operate pipelines and to distribute and sell the gas 1942-43 Construction of Snam's first natural gas pipeline, which carried gas from the Salsomaggiore wells to Lodi and Milan 1944 Discovery of the Caviaga field near Milan 1945 Enrico Mattei is appointed Provisional Administrator of Agip 1948 Natural gas field discovered at Ripalta (Cremona) 1949-52 Natural gas is discovered in the Po Valley. Between 1946 – 1950 Italian natural gas production increases from 20 million cubic meters to 305 million and the Italian natural gas transmission network expands from 354 km to 1266 km between 1949 and 1951."

Cell: D12

#### Comment: Rick Heede:

Total net worldwide crude oil plus natural gas liquids produced by each company or state-owned enterprise. Where data is available, we list net production. Crude production includes natural gas liquids (NGL) unless noted.

Cell: H12

#### Comment: Rick Heede:

Natural gas is typically reported as dry gas; natural gas liquids are reported under crude oil.

Carbon dioxide is normally removed from the gas flow at the production site (see "Vented Carbon Dioxide").

"SCM/d" = standard cubic meters per day. "cf/d" = cubic feet per day.

Cell: E17

### Comment: Rick Heede:

This column is ENI production in tonnes per year converted to bbl per year. 1962 and 1963 adds AGIP data for those years plus ENI data for those same years.

Cell: F17

# Comment: Rick Heede:

Oil and gas production for 1950-1963 from E.N.I. Companies (1964) Annual Report, p. 55. Also shows minor production in average by decade starting in 1926.

Cell: E29

# Comment: Rick Heede:

Crude oil production 1962-1971 from E.N.I. Company (1972) Annual Report, p. 6-7.

Cell: E39

### Comment: Rick Heede:

Oil production for 1972-1975 from ENI (1976) AnnRpt.

Cell: F43

#### Comment: Rick Heede:

Oil production for 1976-77 from ENI (1978) AnnRpt, p. 66. Units in million tonnes per year.

**Cell:** 143

#### Comment: Rick Heede:

Gas production for 1976-77 from ENI (1978) AnnRpt, p. 66. Units in Billion SCM per year.

Cell: F45

## Comment: Rick Heede:

Oil 1978-81 from ENI (1982) AnnRpt, p. 2.

**Cell:** 145

### Comment: Rick Heede:

Gas 1978-81 from ENI (1982) AnnRpt, p. 2.

Cell: F50

### Comment: Rick Heede:

Oil 1983-84 from ENI (1985) AnnRpt, p. 38.

Cell: F52

## Comment: Rick Heede:

Oil 1985-86 from ENI (1987) AnnRpt, p. 26.

Cell: E54

#### Comment: Rick Heede:

Oil and NGL data for 1987-1994 from OGJ databooks (various).

Comment: Rick Heede:

FNI

ENI Factbook 2005, p. 12, shows oil and condensate production for 1996-2005 in thousand bbl per day.

Cell: E62

Comment: Rick Heede:

Oil and NGL production 1995 from ENI (2003) Factbook 2003, p. 37.

**Cell:** 163

Comment: Rick Heede:

"Sales of natural gas to third parties" plus "own consumption of natural gas" for 1996-2004 from ENI Factbook 2005, p. 7. (2004: 72.79 and 3.70 billion cubic meters, respectively).

Cell: J63

Comment: Rick Heede:

ENI gas production 1996-2004 from Factbook 2005, p. 12, at a conversion of 6,000 cf gas per bbl of oil (unit of data in column L).

Cell: L63

Comment: Rick Heede:

ENI gas production 1996-2004 from Factbook 2005, p. 12, in thousand bbl oil equivalent per day.

Cell: D67

Comment: Rick Heede:

Oil production data from El (2003) Top 100, p. 100.

Cell: E72

Comment: Rick Heede (Dec09):

Oil & Gas Journal OGJ100, 17Sep07, page 39.

Cell: J72

Comment: Rick Heede:

Oil & Gas Journal OGJ100, 17Sep07, page 39.

Cell: D73

Comment: Rick Heede (Dec09):

ENI Annual Rpt 2008, thousand bbl produced per day.

Cell: H73

Comment: Rick Heede (Dec09):

ENI Annual Rpt 2008, million cubic feet produced per day.

**Cell:** 173

Comment: Rick Heede:

ENI rpt 2008, "worldwide gas sales," billion m^3 per year.

Cell: D76

Comment: Rick Heede:

ENI Annual Report 2010, page 7, reports liquids and natural gas production 2008-2010.

Cell: H76

Comment: Rick Heede:

ENI Annual report 2010, page 12.

Cell: L76

Comment: Rick Heede:

Oil & Gas Journal OGJ100, 3Oct2011, page 46.