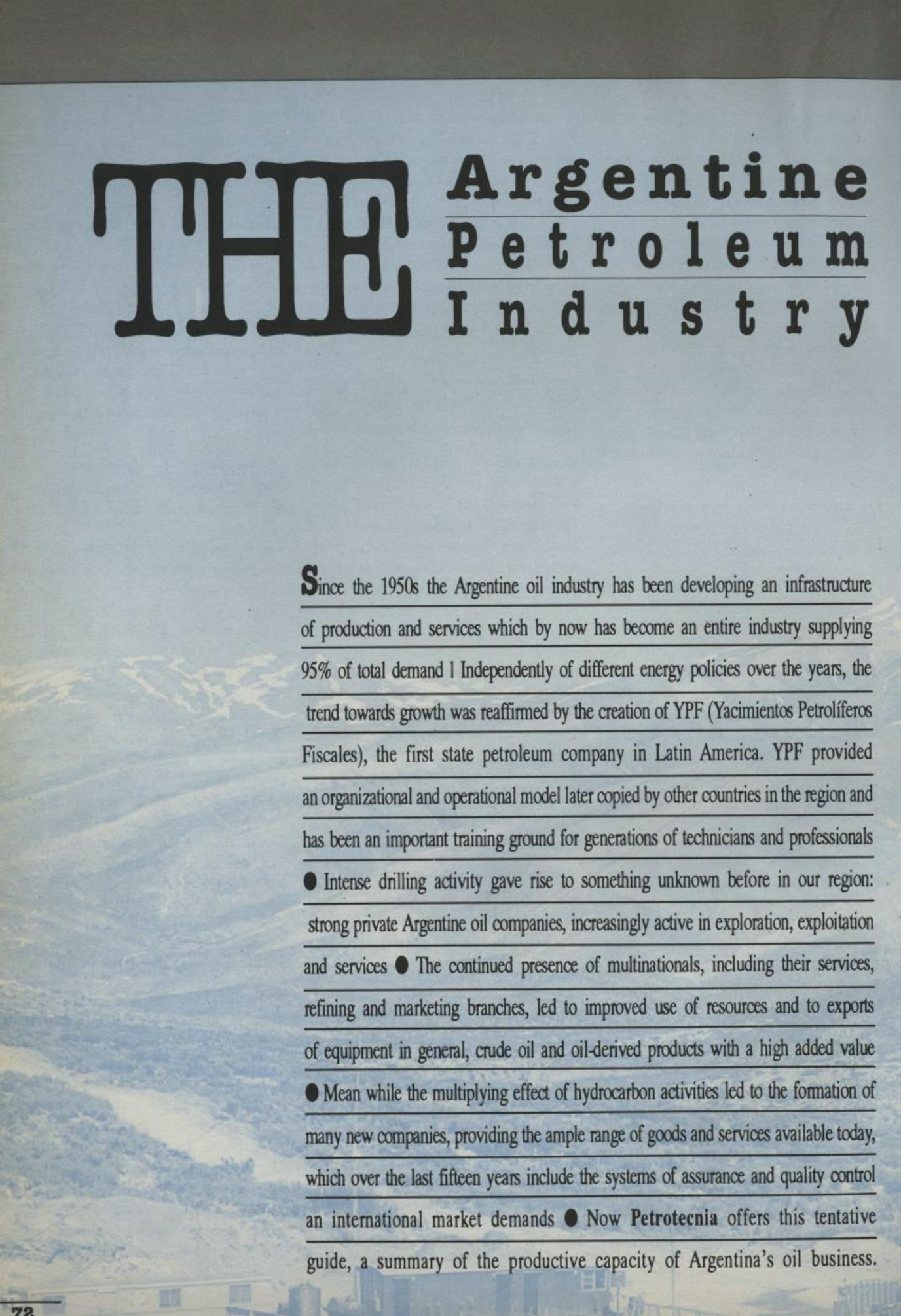




THE Argentine Petroleum Industry

Since the 1950s the Argentine oil industry has been developing an infrastructure of production and services which by now has become an entire industry supplying 95% of total demand. Independently of different energy policies over the years, the trend towards growth was reaffirmed by the creation of YPF (Yacimientos Petrolíferos Fiscales), the first state petroleum company in Latin America. YPF provided an organizational and operational model later copied by other countries in the region and has been an important training ground for generations of technicians and professionals.

● Intense drilling activity gave rise to something unknown before in our region: strong private Argentine oil companies, increasingly active in exploration, exploitation and services. ● The continued presence of multinationals, including their services, refining and marketing branches, led to improved use of resources and to exports of equipment in general, crude oil and oil-derived products with a high added value. ● Mean while the multiplying effect of hydrocarbon activities led to the formation of many new companies, providing the ample range of goods and services available today, which over the last fifteen years include the systems of assurance and quality control an international market demands. ● Now **Petrotecnia** offers this tentative guide, a summary of the productive capacity of Argentina's oil business.

ACINDAR

Active in the steel industry, Acindar supplies the following products and services: Structural steels, rolled and forged steels for industries, agricultural and industrial wire and wire products, pipes, etc. Since 1942, when the Company's activities started, assets have grown to a present figure (Marck 1991) of 1,170 million dollars. Sales during 1990 amounted to 335 million dollars.

Business Address: Paseo Colón 357 (1063) Buenos Aires, CF.
Telephone: (54-1) 331-8431/9
Telex: 9111 ACIND AR
Fax: (54-1) 331-6039

Management:

President:

Alcides López Aufranc

Vice-President: Carlos Leone

Executive Director:

Ricardo López Mayorga

Sales Manager: Jorge Vosen

Technical Manager:

Luis Macario

ANBERT CYLINDERS

Supplies the metallurgical and petroleum industries from its manufacturing plant in Río Tercero, Córdoba, where its services include making oil well pumps under licence from Norris-O'Bannon of the U.S.A., nickel plating of tubing with its own technology, machining of parts and equipment, repair mining equipment, hydraulic and pneumatic cylinders and a

wide range of other industrial equipment.

Its assets are worth 12 million dollars and between 1990 and 1991 company sales rose from 6,200,000 to 7,000,000 dollars.

Address: Buenos Aires Branch:
Cerrito 774 - 10th Floor
Telephone: 40-3255/49-5078
Fax: 40-3255

Management:

President:

Ubaldo Juan Antonio Abrile

Vice-President:

Adolfo Juan Bellardi

Executive Director:

Ricardo César Abrile

Commercial or Sales Manager:

Julio I. Vattuone

AQUATEC ARGENTINA

With its head office in Brazil, this company has been involved in production, services and sales of chemical products since 1949. In water-base drilling fluids, it produces polymers, surfactants, anti-foam, lubricants, corrosion and scaling inhibitors. The company also does work in cementing, acidizing, bactericides, wax inhibitors, etc. For injection water it produces biocides, polymers, corrosion and scaling inhibitors, and for the production segment it supplies various inhibitors and demulsifiers. The International Division of Aquatec, through a transfer of advanced technology, covers new mar-

kets in Central America, the Caribbean, Europe, the Middle East and Africa.

Commercial Address: Av. del Libertador 8616 (1429)
Buenos Aires
Telephone: 70-3483/6169 •
701-7461
Telex: 18755 AQTC AR
Fax: 70-5758

Management:

President:

Sr. José Roberto Orozco

General Manager:

Carlos Alberto Del Debbio

Manager of Water-Management

Division:

Ing. Emilio Enrique Echarte

Manager of the

Chemical Products Division:

Ing. Néstor Suárez

Manager, Marine Division:

Sr. Oscar Sotelo

Manager, Finance Division:

Dr. Angel Rodríguez

Production Manager:

Lic. Daniel Alvarez

ARGENTINE PETROCHEMICAL INSTITUTE

The Institute has three parts: companies connected with petrochemicals, several institutions and people connected with the area. The Institute's job is to make possible the development and growth of petrochemicals in Argentina through training, information, research and the transmission of information.

Address: Callao 220, 7th Floor
(1022) Buenos Aires, CF.

Telephone: 45-6545/5240

Management:

President: Lorenzo Guller Frers

Secretary: José María

Fumagalli

Deputy Secretary: Alberto

Salvador Gatti

General Manager: Emilio

Domingo Marzano

ARGENTINE PETROLEUM INSTITUTE

Created in 1957, as a continuation of the Argentine Branch of the South American Petroleum Institute.

Carries out an authoritative technological task in research and passing on information about all matters concerning advances in the petroleum industry.

A permanent member of the World Petroleum Congresses and of the International Gas Union, and a permanent observer of Arpel.

Address: Maipú 645, 3rd Floor (1006) Buenos Aires

Telephone: 322-3244/3652 • 393-5494

Fax: 325-8009 Telex: 25069

Management:

President: Eduardo Rocchi

First Vice-President:

Victor Spedaletti

Second Vice-President:

Martín Páez Allende

Secretary: Ricardo Malcon

ASTRAFOR

From 1962 has been involved in drilling oil wells and

providing a service of finishing and repairs.

Astrafor is active in many of Argentina's oilfields.

During 1990 sales totalled 22,077,075 dollars. This year the figure has reached 25,213,332 dollars.

Company assets are valued at 59,395,367 dollars.

Business Address: Tucumán 744, 14th Floor, Buenos Aires.
Telephone: (54-1) 334-1077/79/80/84

Telex: 022022

Fax: (54-1) 334-0914

Management:

President: Luis Felipe Aguirre

Vice-President:

Ricardo Eduardo Grunisen

Commercial Manager:

Héctor De Cillis

Technical Manager: Jorge Calvo

AVAN

The company has, since 1956, made sucker rods, pony rods, couplings and combination couplings, centralizers for sucker rods, gun perforators, and J-55 2.7/8" tubing fishing tools designed for the oil industry.

Its industrial plant is in the Pilar area, Province of Buenos Aires, and it manufactures around half a million individual items, which in 1990 added up to sales of 7,000,000 dollars and 5,500,000 dollars during the first six months of 1991. Company assets are valued at 6,000,000 dollars.

Address: Head Office: Ruta Nacional N° 8, Km 51.2 (1629)

Pilar, Prov. de Buenos Aires.

Telephone: (54) 322-20235/28721/28655/28076

Telex: 27680 AVANSA AR

Fax: (54) 322-28960/322-28066

Management:

President: Ricardo R. D'Amato

Vice-President:

Rodolfo E. Phelan

Commercial/Sales Manager:

Oscar L.A. Pagani

Technical Manager:

Rubén E. Cévoli

BHP PETROLEUM ARGENTINA

Has been operating in Argentina since 1985. It is the petroleum branch of the largest industrial conglomerate in Australia, Broken Hill Proprietary.

At present the company is participating in five exploration blocks from the Houston Plan.

Four of these are in the Cretaceous basin in the Northeast.

The remainder are offshore, facing the Port of San Julián.

Address: Avda. Eduardo Madero 1020, 23rd Floor, Buenos Aires.

Telephone: 311-6162

Fax: 311-9885

Management:

Vice-President:

Roger L. Gilbertson

BOMBAS BORNEMANN

A subsidiary of Joh. Heintz Bornemann, whose

headquarters is in Germany, the Company makes large displacement double screw pumps, designed for crude oil treatment plants, oil pipelines, batteries and storage plant for petroleum derivatives.

Bombas Bornemann also make eccentric worm/gear pumps for surface pumping of oil, with pressures of up to 80 kg/cm², as well as PCP-type deep well pumps.

Business Address: Armenia
2898 (1605) Munro, Provincia de Buenos Aires
Telephone: 756-2939
Telex: 18660 DELPHI AR
Usuario Bornemann
Fax: 762-3958

Management:

General Manager:

Michael Bornemann Galensa
Manager: Eberardo Knoop
Manager: Manuel Mandelik
Accountants: K.P.M.G.
Finsterbusch y Asoc.

BOLLAND

The Company was created in 1937, and is involved in providing services, materials

and equipment for the petroleum industry. It makes mechanical deep-well pumps, electrosubmersible pumps under licence from REDA, hydraulic deep-well pumps under licence from Dresser Johnson Fagg, drilling muds and well completion equipment, gas treatment products heads, products for drilling muds and well completion as well as petroleum and gas treatment products.

Bolland is the sales representative of progressive cavities Moyno pumps for Robbins and Myers, Dresser Rand gas turbines and other types of equipment like centrifugal and reciprocating compressors, instruments for measuring and control of drilling, blow-out preventers, etc.

Among its other services, it carries out horizontal and directional drilling. Bolland has assets of 62,543,000 dollars and its sales, during the present year, have been 44,288,000 dollars.

Head Office: Suipacha 238
(1008) Buenos Aires.

Telephones: 35-9615/9618/
8486/5490/8494/5410/7113/
0593

Telex: 21611 BLLND AR

Fax: (54-1)11-1959

(54-1)325-8718

Management:

President: Ing. Norberto Priú

Vice-President: Lic. Jorge Ferioli

General Manager, Operations:

Ing. Juan Luis Busto

General Manager, Administration and Finance: Ctd. Ricardo Miyazono

General Manager, Mechanical

Products: Ing. Luis F. Poesz

Manager, Chemicals Division:

Ing. Fernando Dedomenici

Manager, Special Services

Division: Ing. Ricardo Saúl

BRIDAS

Bridas began operations in the petroleum industry in 1958, as a service company. It later broadened its activities to the exploration and production of petroleum and gas. Today it explores, on its own account and in association with national and international companies.



TREND ARGENTINA, S.A.

Florida 375 - 5º Piso "A" - (1005) Buenos Aires - Argentina - Tel. 325-5290/91/94/5318/5310
Fax 325-5298 - Télex 28775 TREND AR

areas of about 80,000 square km on land and sea. At the same time it operates oilfields, and produces gas and petroleum from primary, secondary and exploratory sources. It is the major private producer of gas in Argentina. Its sales in 1990 amounted to 263,787,000 dollars. Between 1988 and 1990 Bidas' production was 8.26 million cubic meters of petroleum and 9450 million cubic meters of gas. Its assets are over 800 million dollars.

Head Office: Av. Leandro Alem 1180, (1001) Buenos Aires.
Telephone: 54-1 311-0111/2002
Telex: 18930 BRIDA AR
Fax: (54-1) 312-9197

Management:
President:
Ing. Alejandro P. Bulgheroni
Vice-President:
Dr. Carlos A. Bulgheroni
Executive Director:
Ing. Glen A. Nelle
Commercial Manager:
Ing. Julio Vieiro
Technical Manager:
Ing. Carlos Bertello

**BYRON
JACKSON
ARGENTINA**

The Company makes centrifugal pumps for petroleum refineries, chemical and petrochemical plants, equipment for water injection into oil wells for secondary recovery, besides making mechanical seals for the above products. Byron Jackson has been involved in the main petrochemical projects built in Argentina, as in all gas pipelines and product pipelines. All these products use Byron Jackson pumps and are secured by BW Seals. Having set up its plant in the province of Mendoza in 1963, the Company has assets of 6,500,000 dollars, with total sales for 7,100,000 dollars during 1990 and 3,800,000 dollars worth of sales between January and August this year.

Sales Office in Buenos Aires:
Address: Tte. Gral. Perón 949,
6th Floor, 1038 Buenos Aires.

Telephone: (54-1) 35-3966/
3408/3234/3985/3988 and
325-1432
Telex: 24385
Fax: (54-1) 325-1432

Management:
President: Sr. M.D. Oakes
Vice-President: Sr. F. Díaz Tellí
Executive Director, General
Manager: Ing. F.D. Guzmán
Commercial or Sales Manager:
Ing. G.A. Basualdo
Technical Manager:
Ing. A.M. Espir

CAINCO

Active since 1979 in the field of quality control and engineering of production processes. As engineering consultants, Cainco provides estimation and design according to standards and specifications requested by customers.

Business Address: Pichincha 84, 6th Floor "A" (1082) Buenos Aires CF.
Telephone: (54-1) 952-5407
Fax: (54-1) 952-5407

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GEC ALSTHOM

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TB 5000	3.81 MW
NOMAD 5 (Mobile)	3.49 MW
TYPHOON	3.93 MW
TORNADO	6.05 MW

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RAIMPORT S.A.

Suipacha 268, piso 10° (1355) Buenos Aires-República Argentina Tel. 40-9805 45-7530/12/07 Tx. 22621 RAIMP AR Fax 953-8977

Management:
President: Carlos Soler
Vice-President:
Roberto Hernández
Executive Director: Raúl Blasco
Technical Manager:
Roberto Hernández

CAMERON IRON WORKS

Since the beginning of the sixties, the Company has made and sold materials for the perforation and production of oil wells.

Among them should be mentioned well heads, Christmas trees, head gate and flowline valves.

Its equipment is used in many producing wells in this country. During 1990 sales amounted to 8,700,000 dollars.

Business Address: Talcahuano 736, 6th Floor (1391) Buenos Aires, CF.

Telephone: (54-1) 46-1129

Telex: 22246 CM AR

Fax: (54-1) 46-2403

Management:
President: Horacio Ibero
Sales Manager: Carlos Di Prisco
Technical Manager: Hugo Pérez

CAPSA

Began operating in 1977 in the exploration, exploitation and marketing of hydrocarbons.

Capsa has areas of exploration and exploitation in: Diadema (Chubut), Colhue Huapi (Chubut), Agua del Cajón (Neuquén), Tostado (Santa Fe) and Cuenca Rawson Marina 1-2-3 in the sea off Argentina's coast.

Business Address: Av. Madero 940, 16th Floor (1106) Buenos Aires, CF.

Telephone: (54-1) 313-3220

Fax: (54-1) 313-1165/0530

Telex: 23456 CAPSA AR

Management:
President: Enrique Götz
Vice-President:
Juan Carlos Bachiochi Rojas
Director:
Jorge Alberto Etchepare

General Manager:
Rodrigo Rodríguez
Technical Manager: José Farina

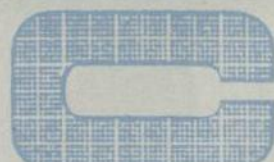
COMPañÍA DE INVESTIGACIONES GEOFÍSICAS (A Schlumberger Division)

CIG belongs to the Schlumberger group of companies, and the company has operated on the Argentine market since 1934. Major activities: well logging and well testing for exploration and exploitation.

The Company supplies the following services: Open Well Logging: nuclear, sonic, Buzam; fluid recovery, pressure reading, side wall coring; well seismology, perforation and logging for cased off wells, and well testing including downhole coring. CIG's Net Worth is 25.8 million dollars.

Business Address: Av. Belgrano 863, 7th Floor (1092) Buenos Aires CF.

Telephone: (54-1) 331-2905/09



Cainco sa

ENGINEERING AND CONTROL

A Service Company:

Quality Control and Engineering

Cainco S.A. - Pichincha 84, 6th Floor 'A', (1082) Buenos Aires, CF, Tel.: 952-5407

SERVICES:

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- Manufacture Control
- Reception of Equipment
- Reception of off-the-shelf equipment
- Assessment of Suppliers
- Assessment of specifications and guidelines
- Destructive and Non-destructive tests
- Engineering: Calculation and Design

Telex: 21014-21348 SUREN AR
Fax: (54-1) 331-5942

Management:

President: Bernard Gremillet

Vice-President:

Dominique Perret

Sales Manager: Rodolfo Beylis

Technical Manager:

Jean Patrick Lacote

COMPAÑÍA MINERA DEL LAGO

This is a mining company devoted solely to sales and services related to well drilling fluids (gas, oil and geothermics).

The Company's technical service is manned by petroleum or chemical engineers and/or oil experts available 24 hours a day, and includes fully-equipped field laboratories, technical and economic streamlining of operations, and laboratory facilities for comprehensive analyses.

Business Address: Av. de Mayo

1370, 2nd Floor (1362) Buenos Aires CF.

Telephone: (54-1) 37-1156/1157

Fax: (54-1) 38-4735

Management:

President:

Benito Blanco Alvarez

Vice-President:

Edelmira Pardo de Blanco

Executive Director:

José María Fassere

Technical Manager:

Frank Labensky

COMPAÑÍA NAVIERA PÉREZ COMPANC

Pérez Companc is an international business which among other things is involved in oil and gas exploration and exploitation, and in providing services in the petroleum area. Besides the many wells it exploits, Pérez Companc has recently formed a partnership with YPF in the central area of Puesto Hernández, Neuquén, making it the main operator in Argentina, with a production of

13,200 m³ per day.

The Company also owns petrochemical plants.

Address: Maipú 1, 19th Floor

(1599) Buenos Aires CF.

Telephone: 331-8401/8414/
8420

Telex: 17211 PECOM AR

Management:

President:

Gregorio Pérez Companc

Vice-President: Oscar Vicente

CULLEN, VALDEZ-ROJAS & ASOCIADOS

Since 1981 it has carried out a consultancy service for petroleum and gas.

It also carries out services for reserves and projects audit, geology and geophysics, and evaluation of petroleum projects.

Business Address: Talcahuano
778, 7th Floor, Buenos Aires.

Telephone: (54-1) 45-3228 •
49-1614

Fax: (54-1) 49-1614

TOMOI

R E S T A U R A N T E

Las Heras 3766 - Tel.: 801-6253 803-4448 Estacionamiento: Scalabrini Ortiz y Juncal

Management:

President: Rafael José Cullen

Vice-President:

Jorge Valdez Rojas

Director: Stanley Hogg

CUMELENSA

Started in the 60s as consultants for the petroleum industry, this firm operated successively under the names of Langmar and Cumelén, until it was given its present, definitive name.

Cumelsa are dealers for a large number of local and foreign firms planning to operate on the Argentine oil market.

Business Address: Perú 590,
15th Floor (1068) Buenos Aires.
Telephone: (54-1) 34-9761/9802
Fax: (54-1) 30-0079/331-9149
Telex: 21997 ENGMR AR

Management:

President: Gustavo Smidt

Vice-President:

Rodolfo Eguaburo

Directors: Eduardo Eguaburo
Jorge Venturini

DANCO

Danco are suppliers to the petroleum industry of products: high pressure gate valves, clamps, rings, adaptor flanges, etc.

The Company has recently opened a new plant for chrome plating polished rods and all types of petroleum equipment for reducing levels of corrosion.

Business Address: Pte. R.M.
Ortiz 2545 (1852) Burzaco -
Provincia de Buenos Aires
Telephone: (54-1) 299-0052/0860
Fax: (54-1) 299-1014
Telex: 27604 DANCO AR

Management:

President: Umberto D'Antonio

Vice-President:

Juan Carlos D'Antonio

Technical Manager: José Crisafi

Financial Director: Oscar Paradela

DAPSA

This Company, financed from private and state capital, makes and sells petroleum products.

In business since 1920, DAPSA produces solvent, turpentine, basic distillates, gas-oil, gasoline, kerosene, fuel oil, plastic asphalt, industrial, automobile and agricultural oils and other specialties. It has assets of 32,850,000 dollars, with sales of 60,000,000 dollars for 1990 and 70,000,000 dollars for 1991.

Business Address:

Head Office: Bartolomé Mitre
559, 3rd Floor, Buenos Aires.

Telephone: (54-1) 331-8061/66

Telex: 18948 DAPSA AR

Fax: (54-1) 331-8175

Management:

President: Raúl F.M. Lottero

Executive Director:

José Gómez Martínez

Commercial Sales Manager:

Rafael J. Genoud

Technical Manager:

José O. Manitta

DELGA

Began operating in 1949, in the area of manufacture and



MIRTA GALACHO & ASOCIADOS S.R.L.
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- ECONOMICAL APPRAISALS
- AUDIT OF RESERVES

sales of materials for industrial electrical installations.

Its APE line of materials are designed for distillation plants, refineries, petrochemical and chemical plants, gas plants and drilling companies.

The weatherproof Estanca line of products is for use in all types of industry and the IRAM-2005 line is for industry in general and for civil works projects.

Delga's specialty is its line of explosion-proof products (UL Standard) lighting equipment, junction boxes, accesorios, etc. The IRAM-2005 line includes pull boxes, distribution boxes and connection boxes.

Business Address: San José
1336 (1136) Buenos Aires, CF.
Telephone: 23-9653/26-9677/
27-0585/27-0676
Fax: (54-1) 27-0676

Management:

President:

Lic. Guillermo del Mestre

Vice-President:

Alfredo Contardi

Executive Director:

Cdr. Héctor Amado

Commercial Manager:

Lic. Luis del Mestre

Technical Manager:

Ing. Edgardo Canzobre

DEMINEX ARGENTINA S.A.

This company belongs to the German group Deminex, and has been active in Argentina since 1978.

At present Deminex Argentina S.A. has a 37.5 percent share as a non-operating partner in an offshore exploration and exploitation contract in Tierra del Fuego's Southern Basin, where the operator is Total Austral.

Through the aforementioned contract 5,500 m³/day of petroleum and condensate, and 4.2 million m³/day of gas are now being produced from the Hydra field (first offshore development in Argentina) and from Ara-Cañadón Alfa (gas, condensate and oil field).

Business Address: Esmeralda
719, 8th Floor "B" (1007)
Buenos Aires CF.

Telephone: (54-1) 394-3899/
3900 • 325-5779

Telex: 19013 DEMIN AR

Management:

President: Ernst Leonhardt

Vice-President and Resident

Manager: Hans Camp

ESSO

Esso has been in Argentina since 1911, dedicated to refining and marketing oil. It is a subsidiary of the Exxon Company International. Its distillery produces, among other products, Extra 95 Plus gasoline, a wide range of lubricants like Maxoil, XD3, XDX Plus, crankcase oil and several industrial lubricants.

Business Address: C.H. Della
Paolera 297, Buenos Aires, CF.
Telephone: (54-1) 313-7531/
5061
Telex: 25792 ESSO AR
Fax: (54-1) 313-0372

Management:

President: Pedro Lella



RACA S.A.



Mc Donnell Douglas Helicopters Co. representatives

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Lavalle 715 - P. 5º
tel. 322-3475/8931
fax. 322-9488
Buenos Aires - Argentina

Aeródromo San Fernando
Ruta 202 y Panamericana
tel. 744-4850/0372/9483
Prov. de Buenos Aires

Vice-Presidents:
Carlos de Jesús
Pedro T. Kolari
Sales Manager: Vicente I. Diego

FMC ARGENTINA

FMC manufactures well heads, Christmas trees, 3000-10000 psi valves, tube hangers and ancillary equipment, and markets production equipment. In 1990 FMC's sales reached 8 million dollars, with 15 million for 1991. 90 percent of the firm's production is exported to the US, Singapore, France, Venezuela and Scotland.

Business Address: Madero
1020, 13th Floor (1000)
Buenos Aires.
Telephone: (54-1) 312-7570/
9404/9405
Fax: (54-1) 311-8108

Management:
President: Guillermo Sansot
Vice-President: Andrew Graves
Manager, Sales and
Administration:
Daniel Hernández

GAS DEL ESTADO

Gas del Estado is Argentina's State Gas Utility operating on the market since 1946 in the refining, transportation, distribution and marketing of natural gas.

The Company's major products and services include (methane) gas network supply, propane and butane separation from natural gas and bulk sale to wholesale firms, and separation and sale of petrochemical grade ethane to Petroquímica Bahía Blanca. Network gas sales in 1990 reached 1,053,564,187 m³. The gas market deregulation to be implemented soon includes privatization of this utility.

Business Address: Adolfo
Alsina 1169 (1088) Buenos
Aires CF.
Telephone: (54-1) 37-2091/9
Telex: 21828-22698 GASES AR
Fax: (54-1) 982-3848

Management:
Trustee: José Estenssoro

Deputy Trustee:
Miguel Angel Marizza
General Manager:
Nicolás Pipiú
Deputy General Manager:
(Marketing)
Rubén Cicciomessere
Deputy General Manager:
(Technical Operations)
Ricardo Morck

GASPETROL

This metallurgical company, founded in 1972, is mainly involved in manufacturing and selling equipment used in the petroleum and gas industries. Among the goods and services Gaspetrol offers are turnkey projects for pressurized natural gas plants, erection of industrial plant, generator sets with diesel and gas engines, generator sets, motor pumps, medium-voltage electrical installations, servicing, maintenance, repairs, etc. During 1990 sales totalled 696,000 dollars, while in the current year the figure is over 1,100,000 dollars.



TRITON

ARGENTINA, INC.

Afilada local de Triton Energy Corporation, de Dallas, Texas,
empresa internacional dedicada a la exploración y desarrollo de petróleo y minerales

Av. L. N. Alem 690, 5º - 1001 Buenos Aires - Argentina - Tel. 313-3795/5732 - Fax: (54 1) 312-6612

Headquarters Address:
Bernardo de Irigoyen 1306, 2º
F, Buenos Aires, CF.
Telephone: 26-7766 •
27-6559/8022
Telex: 24698 ARCO-AR
Fax: (54-1) 312-3825

Managemet:
President:
Ing. Jorge E. Meaggia
Vice-President:
Sra. Margarita P. Balbi
Executive Director:
Sr. Angel Meaggia
Sales Manager:
Ing. Jose M. Blason
Technical Director:
Antonio Gisbert

GENERAL MOSCONI ARGENTINE ENERGY INSTITUTE

Created in the 80s, the
Institute prepares plans and
symposia on drawing up
diagnostics and proposals for
the energy field, especially
hydrocarbons and electricity.

Address: Sulpacha 760, 3rd
Floor (1008) Buenos Aires CF.
Telephone: 322-2815/4260/
2825

Management:
President: Jorge Lapeña
First Vice-President:
Jorge López Raggi
Second Vice-President:
Victor Pochat
Secretary General:
Jorge Olmedo

GEOWELL

Since 1959 Geowell has
supplied the petroleum
industry with logging,
perforation and plugging
services. This Company has
been active in many oil fields
throughout the country.

Business Address: Tte. Gral.
Perón 725, 9th Floor (1038)
Buenos Aires, CF.
Telephone: (54-1) 46-2373/45/
0216
Telex: 22900
Fax: (54-1) 814-3713

Management:
President: Gustavo Caraballo
Vice-President: Teresa De Luca
Executive Director:
Luis María Brea
Marketing Manager:
Martín Bajuk
Technical Manager: Jorge Galli

HALLIBURTON ARGENTINA

This was the first private
company to provide services of
cementing and stimulation in
Argentina, starting in 1957.
It also does work in logging of
open and cased-off wells,
primary and secondary
stimulation (fracturing and
acidizing) and it offers a great
variety of other products for
cementing and stimulating oil,
gas and water wells.

Business Address: Malpú 942,
13th Floor, Buenos Aires, CF.
Telephone: (54-1) 312-8411 to
8416 • 312-4137 • 313-9668
Telex: 25030 HADIV AR
Fax: (54-1) 312-9042

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Management:
President: J.E. Siegfried
Executive Director:
Carroll Newman
Commercial Manager:
Pedro Goldaracena
Technical Manager:
Juan Rostagno

IMPSAT

This Company, which began operating in 1990, is the first private satellite

telecommunications network.

It offers four basic services.

The VSAT network, the Teledatos network for users in the city of Buenos Aires, and Dataplus, the Teleport and Earth Station.

The main petroleum companies in the country use the system. Company assets are valued at 40,000,000 dollars and sales for 1991 are 8,000,000.

Address: Head Office: Alférez Pareja 256 (1107) Buenos Aires CF.

Telephone: 362-4240/4693/4567/4456/4952

Fax: 362-5030

Management:
President:
Ing. Ricardo Verdaguer
Vice-President:
Lic. Roberto Vivo Chaneton
General Manager:
Ing. Jorge Martínez
Commercial Manager:
Lic. Roberto Vivo Chaneton
Operations Manager:
Ing. Franco Musso
Manager for Research and Development: Ing. Alejandro Suárez del Cerro

INDUSTRIAS MAG

This company makes equipment and spare parts for the petroleum industry.

Its line of products includes four main items. In hydraulic spare parts for mud pumps it makes liners, pistons, valves, valve seats, etc. under licence from Mission Oilfield Products. In mechanical oil well pumps it offers conventional units made under licence from Ingersoll Rand Ideco, as well as RH, RT and TH oil well pump units, and alloy steel pumping

rods, stainless steel and chrome-plated.

Marketing and Sales:
Sarmiento 760, 3rd Floor "A",
Buenos Aires, CF.
Telephone: 394-1149
Fax: 393-4720
Telex: 21722 MAGSA AR

Management:
President: Dr. Mario Jorge Orts
Vice-President:
Sr. Carlos Francisco Zorich
General Manager:
Ing. Alberto Bengardini
Sales Manager:
Ing. Norberto Esarte

INLAB

Inlab began operating in 1978, in the field of reservoir engineering.

The main services the Company offers are as follows.

- (1) A petroleum laboratory. Petroleum physics, special studies, thermodynamics.
- (2) Reservoir engineering. Research and oilfield models. Simulation with SSI technology.
- (3) Sales of Workbench,

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Fax Int: 54-1-111545

Simbest II and other SSI products.

Business Address: Talcahuano 778, 7th Floor, Buenos Aires.
Telephone: (54-1) 45-3228 • 49-1614
Fax: (54-1) 49-1614

Management:

President: Jorge Valdez Rojas
Vice-President:
Rafael José Cullen
Director: Stanley Hogg
Sales Manager:
Martíniano Capurro
Technical Manager:
Marcelo Crotti

INTERPETROL

Interpetrol started in 1986 as a trading company for oil and oil products. The Company's major activities are contract sales and purchases of hydrocarbons, counter-trade operations, export pre-financing, product trade-off, spot contracts and tender operations. 49 percent of the company's shares are held by YPF.

During the 1989-1990 Fiscal Year the Company recorded sales for 412 million dollars, with sales worth 834 million dollars during the period 1990-1991. Interpetrol's provisional Net Worth as of June 1991 is 11.4 million dollars.

Business Address: Sarmiento 811 (1041) Buenos Aires CF.
Telephone: 393-6546/6465 • 325-2933/3004/2897/2824
Telex: 25986-28092INTPET AR
Fax: (54-1) 325-1176

Management:

President:
Adolfo Sánchez Zinny
Vice-President: Santiago Soldati
Executive Director:
Eduardo González del Solar
General Manager:
Roberto Beguer
Administration and Financial Manager: Eduardo Magariños

ISAURA

Isaura has been involved in refining and marketing fuels since 1925, and the company

has a petroleum refinery in Bahía Blanca and a lubricants plant in Avellaneda in the Province of Buenos Aires. The Company sells its products through its own network of service stations. Sales for 1990 were 168,926,808 dollars, while sales for the first six months of 1991 are 91,441,551. During 1989 the company refined 608,857 cubic meters of crude. In 1990 the figure was 977,908 m³, with a total of 426,465 m³ for the first six months of 1991. Company assets are valued at 180,500,000 dollars.

Business Address: Suipacha 268, 5th Floor, Buenos Aires.
Telephone: 325-0054/0679/0749/0874/0615/1523/1954/8739/0226/0445
Telex: 021269 RPLIA AR
Fax: 325-0874

Management:

President: José Manuel Eliçabe
Vice-President:
Antonio Armagno
General Sales Manager:
Alfredo Lichter

MACIEL, NORMAN & ASOCIADOS

ATTORNEYS AT LAW

General Practice, Corporations, Oil and Gas Law, Mining Law,
Taxation, Administrative Law, International Business Transactions

TTE GRAL JUAN D. PERÓN 328 - PISO 3º - (1038) - BUENOS AIRES - ARGENTINA
TEL.: 334-3736/3737 -- 34-9339/9349 - FAX (54 1) 334-3735 - 331-2264

**KOBE
ARGENTINA**

This company, of the Baker Hughes Group, began its activities in 1969, and is involved in the areas of operation, manufacturing, sales and services for the petroleum industry.

Among the main products the company offers are hydraulic pumping systems, submersible electrical pumps (Centrillift and Bakerlift), progressive cavity pumps and Roto Jet industrial pumps.

The following are the main services the Company provides. The Torque Turn Service for pipe make-up control maintenance and operation of production plant and production optimization in mechanical pumping.

Commercial Address:

Headquarters: Maipu 1300, 14th floor, 1006, Buenos Aires.
Telephone: 312-0710/1699/1110/6299
Telex: 55213 KOBE AR
Fax: 311-2701

Management:

President: Ing. Neal N. Ussini

**MACIEL,
NORMAN &
ASOCIADOS**

Maciel, Norman & Asociados is a Law Firm that initiated its activities as a continuation of Dabinovic & Asociados with a record of many years of active work in the Energy field. The name partners, together with the late Mr. Tomislavo Dabinovic, were the predecessor's Senior Partners. The partners of Maciel, Norman & Asociados have, in fact, directly intervened in the obtainment of 35 contracts out of a total of 76 contracts awarded by the Argentine Government through the Houston Plan for exploration and subsequent exploitation of oil and gas. It is worth noting that the contracts obtained, both by direct negotiations with YPF or by means of tenders, also include several off-shore areas.

Business Address: Tte. Gral. Perón 328, 3rd Floor (1038) Buenos Aires CF.

Telephone: (54-1) 334-3786/8787/8788

Fax: (54-1) 334-3735/331-2264

**MIRTA
GALACHO &
ASSOCIATES**

This is a firm of consultants on petroleum and gas which has been in business since September 1988.

Among the main services it offers are exploration and exploitation, reservoir engineering, geological surveys, economic evaluation and monitoring of various kinds. The Company works on the evaluation of many oilfields located in the five main productive areas in Argentina.

Address: Esmeralda 351, 10th Floor (1035) Buenos Aires, CF.
Telephones: (54-1) 325-8983/8985 • 394-3359/3365
Telex: (54-1) 21545 OLYM AR
Fax: (54-1) 325-8985

**TEXACO**

Management:
General Manager:
Mirta Galacho
Technical Manager:
Néstor Galacho
Geological Manager:
Ana Nardone

MOBIL EXPLORATION

Having recently entered the local petroleum market, this Mobil New Exploration Ventures Company is involved in exploration of areas made available by the Government.

Business Address: Paseo Colón 728, 9th Floor "B", Buenos Aires, CF.

Telephone: (54-1) 334-3984/
6154/6156 • 30-6630
Fax: (54-1) 334-3984

Management:
Ventures Manager:
Blaine R. Hall

OPERACIONES ESPECIALES ARGENTINAS

Since 1968 O.E.A. has been involved in providing services in the petroleum area, such as the inspection and recovery of petroleum materials, non-destructive inspection for various industries, physical measurement, measurement and control, analysis in the field, etc.

This year OEA has begun producing gas and petroleum in the "Chorrillos" field in the province of Santa Cruz, and has been granted two new areas: "Angostura" in Tierra del Fuego and "Palermo Aike" also in Santa Cruz.

Address: Head Office: Maipú 215 - 4th Floor, Buenos Aires.
Telephone: 40-3472/73
Telex: 17348 OPEAR AR
Fax: 54-1111-2223 (International) 45-5715 (National)

Management:
President: Ing. Marcos Solfer

Vice President:
Ing. Ricardo Jasiukiewicz
Directors: Ing. Mario A. Solfer
Lic. Jorge O. Ferioli
D. Norberto E. Priu

ORMAS

Dedicated to construction, electromechanical installation and industrial maintenance, Ormas offers the following services and products. Engineering, procurement, erection and commissioning of the following. Fossil fuel and hydro power plant. Transmission lines, substations and distribution lines. Gas and oil primary treatment plants. Oil and gas pipeline and pumping stations. Surface and underground railroads. Petrochemical and oil refinery plants. Paper mills. Water treatment plants. Instrumentation and controls for: power plants, the oil industry, paper mills, chemical and petrochemical plants. And maintenance of: power

TAXIS AEREOS

Oficina Aeroparque Jorge Newbery
Rafael Obligado s/n - C.P. 1424 Bs. As. Argentina
Tel.: 775-1082 772-6573
Las 24 hs.: 46-4001 49-4071 Cod. 89135

RENT-A-PLANE
SERVICIOS AEREOS ESPECIALES

plants, oil and gas production fields, paper mills, oil refinery and petrochemical plants.

The Company has assets of 47,596,637 dollars.

Business address: Head Office: C. Pellegrini 1023, 12th, 11th and 8th floors, Buenos Aires.
Telephone: 22-2544/2563/2597/2616
Telex: (02) 2827 ORMAS AR
Fax: 22-8854

Management:

President: Ing. José Higinio Monserrat

Vice-Presidents: Ing. Juan Carlos Lostau Bidaut - Ing. Francisco Bobadilla

General Manager: Cdr. Jorge Alberto Gigante

Operations Manager: Ing. Arnaldo Bruno Angeletti
Manager Petroleum Area: Ing. Efrén Manuel Paramio

OCCIDENTAL

The Company began operating in 1961 as Argentina Cities Service and since 1983 has operated as Occidental

Exploration and Occidental Development.

Occidental's principal business is exploration and exploitation of liquid and gas hydrocarbons. Its areas of exploitation are: La Ventana (Mendoza), Río Negro Norte (Río Negro), and Puesto Hernández (Neuquén). Areas of exploration: Río Grande Sur (Tierra del Fuego) and the Malvinas I sea basin.

Business Address: Av. Madero 1020, 21st Floor (1106) Buenos Aires, CF.
Telephone: (54-1) 312-7545/9
Telex: 21661 CISER AR
Fax: (54-1) 311-9570

Management:

President: Robert E. Tornstrom
Operations Manager: Don Stephen

Financial Manager: Jorge Vidal
Exploration Manager: Victor Gabela

Legal and Public Relations Manager: Horacio Loray

PANTOQUÍMICA

In business since 1958,

Pantoquímica makes chemical products for the treatment of metal surfaces.

The Company's main products are as follows. The Enplate process for electroless nickel. The Ultrachrome process for hard chromium. Products for treatment prior to painting. Special lubricants for machinery. Products for thermal treatment.

Chemical materials for treatment of ferrous and non-ferrous metals.

Since 1961, Pantoquímica has held the exclusive license in Argentina for products made by Enthone-Omi of the United States, the leading company in the world for treatment of metallic surfaces. Enthone-Omi, among other things, owns the patents for the Enplate Electroless Nickel, which has an enormous range of uses in the oil business.

Business Address: Agüero 3470 (Ex 986) (1678) Caseros Provincia de Buenos Aires
Telephone: 750-7379/4293/4294



CAPSA

**COMPAÑIAS ASOCIADAS
PETROLERAS S.A.**

Management:
Technical Director:
María del Pilar Juste de Mela
Sales Director: Isaak Gurfinkel

PETROKÉN

Soon to be started up, Petrokén's plant will be dedicated to polypropylene production and marketing, mostly for the foreign market. The plant's production capacity will be 100,000 tons/year and its business assets as of December 1990 are 180 million dollars.

Business Address: Av. de Mayo 701, 9th Floor (1084) Buenos Aires CF.
Telephone: (54-1) 334-2552/2831 • 34-3541/4839
Telex: 24322 KOPCA AR
Fax: (54-1) 334-2552/5170/3

Management:
President:
Alejandro M. de Achaval
Vice-President: Jorge Brea
General Manager:
Peter De Vries
Marketing Manager:

Carlos Bussi
Industrial Manager:
Carlos Octtinger

PETROLERA ARGENTINA SAN JORGE

San Jorge is a privately owned Argentine company involved in the exploration and production of hydrocarbon resources. Since its beginning in 1962, San Jorge has played an active role in the oil and gas exploration and production business in Argentina, whenever the governmental policies tended to allow private companies participation. The company is the operator of six exploration and production blocks. It also participates, as non operating partner, in five other block. The total acreage operated by San Jorge amounts to 17,700 km² (4.4 million acres), while the non operated acreage is 24,100 km² (6.0 million acres).

Business Address: J.D. Perón 925, 7th Floor (1038) Buenos

Aires, CF.
Telephone: (54-1) 35-9941/46 • 325-8365
Telex: 021611
Fax: (54-1) 499-1367

Management:
President: Norberto Priú
Vice-President: Jorge Fertioli
General Manager: Donald Little
General Controller:
Ricardo Miyazono

PETROLERA PATAGÓNICA

This Company, together with Occidental Exploration of Argentina Inc., Occidental de Argentina and Compañía Naviera Pérez Companc, had been awarded the area of Puesto Hernández, in association with YPF. At the same time, Petrolera Patagónica owns fifty per cent of the hydrocarbon rights of Area CA-12 in Río Grande Sur, Tierra del Fuego. In this project it is associated with Occidental Exploration of Argentina Inc., whose share is forty per cent, and with Bidas, SAFIC whose



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share is ten per cent.
 Petrolera Patagónica also has a share in the contract for off-shore exploration awarded to Occidental in the CMM-1 area (Austral-Malvinas Basin).

Headquarters: 25 de Mayo
 555, 11th Floor, Buenos Aires.
 Telephones: 313-2619/2639/
 2582
 Fax: 313-2554

Management:

President: William J. Reynal

Vice-President:

Leonard Douglas Steed

Director:

William L. Reynal (Jr.)

PETROQUIMICA COMODORO RIVADAVIA

Has been in the business since 1921, dedicated in particular to the production of petroleum and gas, making cement for the petroleum industry and for construction, drilling and repair of oil wells, consultancy and technical direction on oil wells as well as consultancy

and research in the field of geology.

The company has areas being exploited in KM 8 (Comodoro Rivadavia), Medianera, Centro Este and Sosneado.

Production over the last three years, up to June 1991, has been about 500 cubic meters a day, while the Company's cement plant in the Province of Chubut is the main source of cement for oil wells in Argentina.

Address: Head Office: Alsina
 1450, 8th Floor (1088) Buenos Aires
 Telephone: 37-6525/3753
 38-8691

Telex: 17705 DECA AR

Fax: 38-6526

Management:

President:

Ing. Pedro César Brandi

Vice-President:

Ing. Carlos César Cavallo

Executive Director:

Ing. Martín Fernando Brandi

Commercial Manager:

Sr. Federico Pereyra Iraola

Manager Petroleum Division:

Ing. Sergio Hillar

PLUSPETROL

Began its activities in 1976 aimed at the exploration and exploitation of hydrocarbons, basically in areas in Neuquen, Salta and Bolivia.

Pluspetrol's production of gas, from 1988 to July 1991, amounts to 5,940,000,000 cubic meters, while its petroleum production, over the last three years, has reached 1,578,983 cubic metres.

Sales in 1990 were at 62,302,300 dollars.

The Company has taken part in bids for areas of petroleum and gas offered by the government.

Address: Head Office: La Rioja
 301, Buenos Aires CF
 Telephone: 93-5011/19
 Telex: 22371 TAURO AR
 Fax: 97-2301

Management:

President:

Ing. Luis Alberto Rey

Vice President:

Dr. Alberto Jose Selasco

General Manager:

Ing. Oscar Horacio Secco

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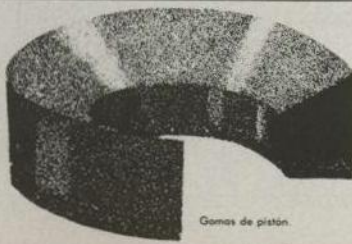
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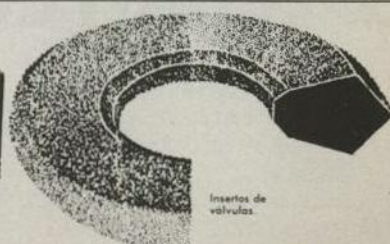
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QUITRALCO

Founded in 1960 Quitralco provides services for drilling wells, including their repair, completion supervision and de-waxing.

Quitralco is involved in the production of hydrocarbons in areas to the north of La Dorsal, Cañadón Amarillo, Piedras Coloradas and Cacheuta. Sales in 1990, up to 30th June, were 39,601,330 dollars. And as on 30 June 1991 they amounted to 33,984,540 dollars.

Production of hydrocarbons over the last three years reached 1,721,086 cubic metres. Company assets on 30 June this year were 62,577,470 dollars.

Address Head Office: Viamonte 1133, 6th Floor, Buenos Aires.
Telephone: 49-8841/7
Telex: 22347 QUIBA AR
Fax: 49-8845

Management:
President: Pedro L. Querio
Vice-President:
Eduardo A. Casabal

General Manager:
Daniel N. Eloff
Commercial or Sales Manager:
Rosendo A. García

RAIMPORT

This is a Company which makes and imports gas turbines, diesel motors, compressors, electrical equipment in general and spares. Raimport also offers technical services and assembly related to the industry. The Company is the exclusive representative of the following firms: Ruston Gas Turbines (United Kingdom), Born Heaters (UK), Vokes (UK), Girad Industries (USA) and Separadores Lakos (Mexico).

Business Address: Sulpacha 268, 10th Floor (1355) Buenos Aires, CF.
Telephone: (54-1) 40-9805 • 45-7512/7507/7530
Telex: 22621 RAIMP AR
Fax: (54-1) 953-8977

Management:
President:
Atilio Eduardo Rapacholi

REINFORCED PLASTIC

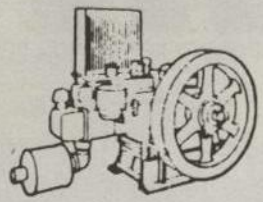
Reinforced Plastic, under licence from Smith Fiberglass Products Inc. of the USA, makes Epoxi Fibre tubes for the petroleum market, as well as accesories, plastic pipes reinforced with fiberglass for chemical use as well as tanks made of the same material. It is also the exclusive representative of the same company for the SFP line of production and injection, tubing, recovery, transfer, etc. Has been in the country since 1968 and its products, which are highly resistant to corrosion, are in service in many oilfields in Argentina.

Address: Capitán Juan de San Martín 2251 (1609) Boulogne, Prov. de Buenos Aires
Telephone: 766-4164/1990 • 763-8668/5329
Telex: 26078-26282CAMOU AR

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Fax: (54-1) 763-5463

Management:

President:

Ing. Juan Domingo Strada

Vice-President:

Ing. Horacio José Baldoni

Executive Director:

Ing. Juan D. Strada

Sales Manager:

Sr. Héctor C. Piga

Production Manager:

Sr. Adolfo Vesells

REPSOL ARGENTINA

Established in Argentina in 1989 when deregulation began, and operating in the petroleum business, this subsidiary of Spain's Repsol concentrates on exploration and exploitation of hydrocarbons.

In 1991 it became associated with YPF in the central Vlzcacheras area in the Province of Mendoza, together with the Astra company.

It also has a share in Tres Picos and in Block 127 (Magallanes Area), thanks to the sale of reserves in

secondary areas begun by the State petroleum company YPF.

Commercial Address: Av.

Libertador 602 - 23rd Floor

"B", (1001) Buenos Aires CF.

Telephone: (541) 814-5000/06

Telex: 27993 Repsol - AR

FAX: (541) 814 - 1451

Management:

President: Ing. Iván Cieker

Commercial Manager:

Ing. Pedro L. Vaticon

Production Manager:

Ing. Isidoro Solórzano

Financial Manager:

Juan R. Lauder

RISCOS BAYOS

Involved in the mining industry since 1976, the Company also makes and sells materials for the petroleum industry.

Riscos Bayos makes densifiers, sealing liquids, chemical products and chemical limes and well as limes for construction.

The Company provides transport and earth-moving

services.

Sales in 1991 reached 7,380,000 dollars and assets are worth 27 million dollars.

Business Address: Ruta 22, Km

1400 - Casilla de Correo 64

(8400) Zapala, Neuquén

Telephone: (0942) 21-114 •

21-617

Telex: 84162 SAPAG AR

Management:

President: Carlos N. Sapag

Vice-President: Oscar Seoane

Executive Director:

Jorge Sánchez

Sales Division Manager:

Santiago Sapag

ROCH

Began its activities in 1990, specializing in exploration and exploitation of petroleum. At present has six exploitation areas: Cajón de los Caballos (Mendoza), Río Cullen and Las Violetas (Tierra del Fuego, Bella Vista Oeste and Cañadón Ramírez (Chubut) and Mata Magallanes Este (Santa Cruz). Production over the last eleven



BHP Petroleum

Australia's International Oil Company

months has reached 35,307 cubic meters of petroleum. The services the Company offers also include oilfield engineering, drilling projects and operational maintenance of productive wells.

Address: Tucumán 829 - 4th Floor (1049) Buenos Aires, CF.
Telephone: 322-4199/393-8792
Fax: 322-8125

Management:

President:

Ing. Ricardo Omar Chacra

Vice-President:

Ana Sara Olszewicz

Technical Manager:

Dr. Juan J. Fattobene

SADE

SADE is a member of the economic group led by Compañía Naviera Pérez Companc.

The company is active in industries including construction, communications, computers, railways, etc. The Industrial Projects Division is involved in projects such as

thermal power stations, petrochemical plants, and other energy-related schemes. SADE's Electro Mechanical Division manufactures power transformers for the generation and distribution of electricity, generators and traction motors, pumping plants and ancillary equipment for oil production.

Business Address: Malpú 1, 21st Floor (1599) Buenos Aires
Telephone: (54-1) 334-7114
Fax: (54-1) 334-2260
Telex: 02-1443 SADEA AR

Management:

President:

Jorge Gregorio Pérez Companc

Vice-President:

Oscar Aníbal Vicente

Managing Director:

Federico Ernesto Argento

SERARG

Serarg are members of the Sapeza group and their activities include supply of equipment and technical services to the oil industry,

such as slow gas engines (Arrow Specialty), Plunger Lift recovery systems, bio-technology and technical services with the supply of spare parts for all marketed equipment. This company has operated on the Argentine market since 1976.

Business Address: Av. Corrientes 1302, 14th Floor (1043) Buenos Aires, CF.
Telephone: (54-1) 49-3002/0669 • 40-5491/9973
Telex: 22720 SAPESA AR
Fax: (54-1) 45-7517 • 953-9871

Management:

President: Bernardo Zabuski

Vice-President: Marcelo Olcese

Executive Director:

Manuel Sánchez

Marketing Manager:

Hugo Moresco

SHELL

Part of the Royal Dutch Shell group of companies. Began operating in Argentina in 1914.



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Sarmiento 663 - 3er Piso - 1316 Buenos Aires
Tel.: 325-6743 / 1894 / 8007 - Fax 325-2693

The Company produces and sells gasoline, lubricants and other products derived from petroleum.

Shell is also involved in five exploration areas which are part of the Houston Plan.

Address: Av. Roque Sáenz Peña
788 (1383) Buenos Aires, CF
Telephone: 334-0333/0444
Telex: 2-1045 • 1-7500

Management:

President: Joseph von Der Weid

Vice-President:

Martín Páez Allende

Directors: Jorge Brea

Hendrik Nijeboer

SIDERCA

Siderca is one of the world's main producers of seamless steel tubing.

Its line of products includes casings, tubing, drill pipe, line pipe, couples, special gaskets, seamless steel tubing for work at high and low temperatures, for work at normal temperatures, at high pressure, in refineries, boilers, heat

exchangers and condensers.

The Company exports to many countries throughout the world.

Address: Av. Leandro N. Alem
1067 (1001) Buenos Aires, CF.
Telephone: 311-1090/99
Telex: 9134
Fax: 313-6165

Management:

President: Roberto Rocca

Executive Vice-President:

Paolo Rocca

Vice-Presidents:

Agustín Octavio Francisco

Rocca-Federico Alejandro Peña-

Javier Osvaldo Tizado

SISMOS

This company has been on the Argentine market since 1982, dedicated, within the field of exploration, to the recording, processing and interpretation of seismic data both onshore and offshore.

In the exploitation field it produces mathematical models and numerical simulation, estimation, PVT phase behaviour, miscible flows,

chemical and thermal methods for recovering oil and studies on formation damage.

In the refining area it works with systems to detect leaks and the state of oil-pipes onshore and offshore.

During the current year sales have been worth 8,240,000 dollars.

Commercial Address: Leandro N. Alem 1110, 8th Floor, Buenos Aires CF.

Telephone: 311-9875/9975/9930

Technical Offices: Paseo Colón 439 2nd and 3rd Floors, Buenos Aires, CF.

Telephone: 34-9335 / 6162

Fax: 334-8519

Management:

President:

Lic. Carlos A. Fernández

Vice-President:

Dr. Roberto Gazzini

Executive Director:

Lic. Claudio Cardema

Commercial Manager:

Dr. Francisco Gallina

Technical Managers:

Ing. Eduardo Davila

Ing. Miguel Fryziak

OCCIDENTAL



ARGENTINA

SOL PETROLEO

In Argentina since 1920, company activities include the exploration, production and refining of oil and oil products. Among its main products are industrial solvent, gas oil, turpentine, fuel oil and raw wax distillate, produced in the Company's San Francisco Solano refinery in Quilmes, Province of Buenos Aires. During 1990 production was 191,000 cubic metres of crude oil and 150,833 m3 of raw gasoline, with assets valued at 41,710,000 dollars.

Commercial Address:
Headquarters: Maipú 942, 24th floor, (1340) Buenos Aires
Telephone: (54-1) 311-9501/2/3
Fax: (54-1) 311-9501 to 03

Management:
President: Guillermo M. Yeatts
Vice-President: Juan A. Esteves
Executive Director:
Juan C. Reinhardt
Commercial or Sales Manager:
Lic. L. Matus

Technical Manager:
Dr. Juan M. Steverlynck

SUN OIL ARGENTINA

Has been in the country since 1990, involved in exploration in areas licenced by the Government.

It carries out these activities in blocks CNE 7, 8, 9, 18, and 65 and in CNQ 18.

The company is also involved in the exploitation of hydrocarbons.

Commercial address: Maipú
1300 - 16th Floor, Buenos Aires
Telephone: 312-9486
Fax: 312-9715

Management:
President: Alan J. Fernie

TECNA

Since 1974 Tecna has developed its activities of ever increasing importance in the

fields of engineering projects, design and construction of processing plants for oil and gas, or equipment for these plants.

Tecna has the resources to undertake the total responsibility for a given project, covering all phases of the work: from the conceptual design to the start-up of the facility.

The staff is endowed with the skills required to design and successfully execute even the most complex hydrocarbon processing engineering projects. Products/Services: Project Engineering for oil, gas and petrochemical industries; Fractionating and treating plants for liquid and gaseous hydrocarbons; Equipment for process plants

Business Address: Av. Belgrano
485 (1092) Buenos Aires CF.
Telephone: (54-1) 30-4131 •
34-7743 • 331-8164/8165
Fax: (54-1) 331-5477

Management:
President: Ricardo Altube



25 de Mayo 555, Piso 11º
1002, Buenos Aires, Argentina
Tel. 313-2619 / 2639 / 2582
Télex 24704 PAUSA AR
Fax (54-1) 313-2554

Vice-President: Carlos Grimaldi

TECPETROL

Company dedicated to exploration and exploitation of oil deposits. It has recently formed a partnership with YPF in the central area of El Tordillo in the Province of Chubut. It also explores the following areas of secondary interest. José Segundo (Chubut), Atamisqui and Atuel Norte (Mendoza) and Agua Salada, Los Bastos and Catriel Viejo (Neuquén).

The Company does exploration work in San Bernardo (Chubut) and General Alvear (Mendoza). During 1990/1991 it has produced over 252,000 cubic meters of petroleum. Company assets are worth 56 million dollars.

Business Address: Head Office: Maipú 1300 5th Floor, (1006) Buenos Aires, CF.
Telephone: 311-7545/6680/3392 • 312-2499
Telex: 9133 TEARO AR
Fax: 311-8750

Management:

President: Javier O. Tizado
Vice President:
Marcelo Martínez Mosquera
Commercial Manager:
German Crivelli
Technical Manager:
Alejandro Buchanan

TEXACO

Texaco has been active in Argentina since 1923—except for a period of absence—and at present is again going strong in exploration and marketing of oil products.

This Company also markets fuels and lubricants.

Business Address: Maipú 1300, 18th and 19th Floors (1006) Buenos Aires CF.
Telephone: (54-1) 334-4752 • 334-4714
Telex: 27953 TEXACO AR
Fax: (54-1) 334-4750

Management:

President: Charles Black
First Vice-President
(Commercial Division):
Jorge Lepira

Second Vice-President
(E & P Division):
Hans P. Ruitter
Operations Manager
(Commercial Division):
Rubén Avila

TIPSA

In its long history of supplying and servicing the Oil, Gas, Mining and Construction Industries, the Company has carried out important contracts with Gas del Estado, YPF, and other State-owned and private Argentine companies.

Tipsa S.A. offers and executes project engineering with a selected and experienced design and engineering team assisted by a CAD System supported by a powerful net of workstation computers, which make possible the development medium- and large-sized projects.

Business Address: Av. Córdoba 1367, 3rd Floor (1055) Buenos Aires CF.
Telephone: (54-1) 42-1367/0496/1159/1017
Fax: (54-1) 814-0158

Management:

President:
Enrique Fernando Cánepa
Vice-President:
Fernando Malenchini



(ARGENTINA) INC.

CARDENAS & DABINOVIC
Abogados

Av. Corrientes 545 - 7° Piso
1043 Buenos Aires
Tel. (54-1) 394-2270/2905/3276/4347
Fax (54-1) 111-577

TOTAL AUSTRAL

A member of the Total group, the company has been active in

Argentina since 1978. Up to the present Total Austral is the operator in two coastal exploration segments offshore in the Austral and Marina fields, having carried out 30,000 km of seismic surveys and developed 39 wells for exploration or as demarcation bores.

The Company produces 7000 cubic metres of petroleum and condensate and 5,000,000 cubic metres of gas in the following fields: Hidra, the first offshore exploration in Argentina. Ara and Cañadón Alfa: a field with gas, condensate and petroleum. El Huemul - Koluel KAIKE: a field in Santa Cruz North with 400 production wells.

Business Office: San Martín 323, 10th Floor (1004) Buenos Aires
Telephone: 394-7601/7220/0230/0860 • 325-8275/6/7/8/9
Telex: 24663 TOTAL AR
Telex: 24052 TOTAL AR

Management:
President: Claude Brice

General Manager:
Michel Benezit

TREND ARGENTINA

Has been in the country since 1988, as a subsidiary of Trend International, whose Head Office is in Houston, Texas. In Argentina it carries out tasks connected to exploration of the new areas made available by YPF.

Business Address: Florida 375, 5th Floor "A" (1005) Buenos Aires CF.
Telephone: (54-1) 325-5290/1/4
Telex: 28775 TREND AR
Fax: (54-1) 325-5298

Management:
President: John C. Vinje
Vice-President:
Duane C. Radtke
General Manager:
Marcelo R. Yrigoyen
Exploration Manager:
H. Gordon Yeomans
Operations Manager:
Manuel Bermejo

VALLEJOS BOLDI

This is an Argentine company with more than 60 years on the market for specialized chemicals. Its industrial plant is in Lanús in the Province of Buenos Aires, and it has a technical-commercial network with regional headquarters in Buenos Aires, Córdoba, Tucumán, Salta, Mendoza and Chubut.

The company offers products and services for drilling fluids and oil well completion. For the production, transport and refining of petroleum, treatment of boiler-water, steam and condensate lines, condensation and cooling systems. Engineering, equipment and products for treatment outside water. As well as services and chemical products for industrial cleaning and other chemical products. Vallejos-Boldi, S.A. is the Argentine representative of Baroid Drilling Fluids, Inc. U.S.A., world leader in products and services for

AVAN

- BARRAS DE BOMBEO - SUCKER RODS
- TROZOS DE MANIOBRA - PONY RODS
- CUPLAS - COUPLINGS
- CENTRALIZADORES - CENTRALIZERS
- KIT DE BOMBA: EVITA BLOQUEO DE GAS
- CAÑONES DE PUNZAMIENTO - PERFORATING GUNS

- AV. PTE. ROQUE SAENZ PEÑA 232
2º Piso - Of. 211 - Buenos Aires - Argentina
Tel.: 49-6761/6850
- PTA. INDUSTRIAL: RUTA 8 Km 51
(1629) - Pilar - Buenos Aires - Argentina
Tel.: 0322 - 28076
Fax: 0322 - 28960/28066

drilling fluids and for oil well completion. Several Baroid products are manufactured locally through a technology transfer contract including use of the brand name, and with technical support from Baroid for supplying these services.

Commercial Address: Roma 3245, C.C. 30, 1824 Lanús, Prov. de Buenos Aires
Telephones: (541) 242-5063/67
Fax: (541) 202-0893

President:
Ing. Carlos Alberto Vallejos
Vice-President:
Dr. Horacio Alberto Tarelli
Manager, Petroleum Division:
Ing. Ricardo José Carot
Manager, Injection Operations:
Francisco Alberto Liendo
Technical Manager:
Ing. Alberto Felipe Viola

VIRCEL

Vircel manufactures sealing liquids for circulation losses in oil wells. Principal products include Mixcel SP Grueso, Mixcel SP Fino and shavings for packaging. All these products are used in oil fields throughout Argentina.

Business Address: Arredondo 5253/59 - Villa Dominico - Provincia de Buenos Aires
Telephone: (54-1) 207-9924 • 206-0727
Fax: (54-1) 206-0727

Management:
Managing Partner:
Héctor Oscar Borroni

Managing Partner:
Oscar Alberto Borroni
Technical Manager: Pablo Bassani

WENLEN

Wenlen was created by the merger of Wence and Cumelén in 1973. The Company supplies local needs of the industry, particularly in replacement and spare parts for drilling, workover and pullin equipment. Wenlen makes well head assemblies, chritsmastrees, B.O.P. (blowout preventers), hydro pneumatic B.O.P. control equipment, a complete line of hydraulic wrenches and actuators for mud lines and/or high or medium pressure cementation and hydraulic units for mud pumps.

Business Address: Perú 590, 15th Floor, Buenos Aires CF.
Telephone: (54-1) 30-4304 • 34-9802
Fax: (54-1) 30-0079 • 331-9149
Telex: 21197 LNGMR AR

Management:
President: Eduardo Eguaburo
Vice-President: Juan Carlos Gligo
Directors: Wenceslao Gligo
Jorge Manuel Gligo
Jorge Venturini
Gustavo Smidt

WESTERN ATLAS

Suppliers since 1958 of the following services to the petroleum industry: open hole

completion and repair, logging of open and cased off wells, well shooting, logging interpretation and analysis, and all the technical back-up needed to supply all these special skills as a package service.

Business Address: Suipacha 268, 13rd Floor (1355) Buenos Aires
Telephone: (54-1) 46-3221/7
Fax: (54-1) 11 1883

Management:
President: E.D. Juri
Vice-President: M.A. Kricorián
Regional Manager
(Wireline): F.E. Larghi
Regional Manager
(Rig): J.F. Castillo
Regional Sales Manager
(Wireline): J.A. García Allievi
Regional Sales Manager
(Rig): H. Aznarez

YPF

YPF has now become a private company. Congress is looking into its restructuring with a view to dividing its shares between central Government and the Provinces. YPF is involved in exploration, exploitation, transport, refining and marketing. YPF is the principal petroleum company in Argentina, though at the end of 1989 it began a process of share transfer and company restructuring.

Address: Av. Roque Sáenz Peña 777 (1364) Buenos Aires, CF.
Telephone: 46-7269/91
Fax: 49-0644

Management:
President: José Estenssoro