ARBITRATION UNDER ANNEX VII OF THE UNITED NATIONS
CONVENTION ON THE LAW OF THE SEA

REPUBLIC OF THE PHILIPPINES

v.

PEOPLE'S REPUBLIC OF CHINA

SUPPLEMENTAL WRITTEN SUBMISSION
OF THE PHILIPPINES

VOLUME VII
HISTORIC OIL & GAS MAPS

16 MARCH 2015

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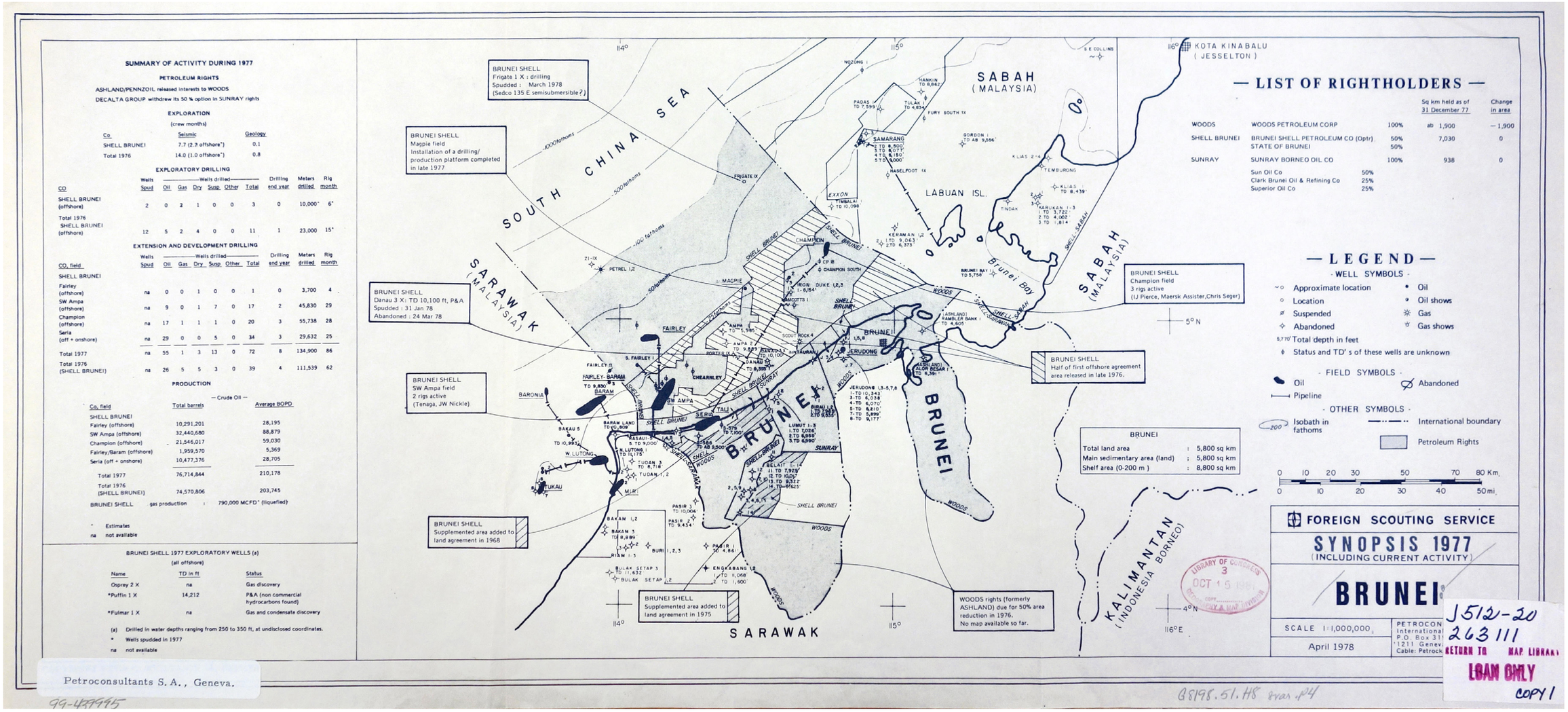
Brunei


SUMMARY OF ACTIVITY DURING 1977
PETROLEUM RIGHTS
ASHLAND/PENNZOIL released interests to WOODS
DECALTA GROUP withdrew its 50 % option in SUNRAY rights
EXPLORATION
(crew months)
Co | Seismic | Geology
SHELL BRUNEI | 7.7 (2.7 offshore*) | 0.1
Total 1976 | 14.0 (1.0 offshore*) | 0.8
EXPLORATORY DRILLING
CO | Wells Spud | Wells drilled Oil | Gas | Dry | Susp | Other | Total | Drilling end year | Meters drilled | Rig month
SHELL BRUNEI (offshore) | 2 | 0 | 2 | 1 | 0 | 0 | 3 | 0 | 10,000* | 6*
Total 1976 SHELL BRUNEI (offshore) | 12 | 5 | 2 | 4 | 0 | 0 | 11 | 1 | 23,000 | 15*
EXTENSION AND DEVELOPMENT DRILLING
CO, field | Wells Spud | Wells drilled Oil | Gas | Dry | Susp | Other | Total | Drilling end year | Meters drilled | Rig month
SHELL BRUNEI
Fairley (offshore) | na | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 3,700 | 4
SW Ampa (offshore) | na | 9 | 0 | 1 | 7 | 0 | 17 | 2 | 45,830 | 29
Champion (offshore) | na | 17 | 1 | 1 | 1 | 0 | 20 | 3 | 55,738 | 28
Seria (off + onshore) | na | 29 | 0 | 0 | 5 | 0 | 34 | 3 | 29,632 | 25
Total 1977 | na | 55 | 1 | 3 | 13 | 0 | 72 | 8 | 134,900 | 86
Total 1976 (SHELL BRUNEI) | na | 26 | 5 | 5 | 3 | 0 | 39 | 4 | 111,539 | 62
PRODUCTION
— Crude Oil —
Co, field | Total barrels | Average BOPD
SHELL BRUNEI
Fairley (offshore) | 10,291,201 | 28,195
SW Ampa (offshore) | 32,440,680 | 88,879
Champion (offshore) | 21,546,017 | 59,030
Fairley/Baram (offshore) | 1,959,570 | 5,369
Seria (off + onshore) | 10,477,376 | 28,705
Total 1977 | 76,714,844 | 210,178
Total 1976 (SHELL BRUNEI) | 74,570,806 | 203,745
BRUNEI SHELL gas production : 790,000 MCFD* (liquefied)
* Estimates
na not available
BRUNEI SHELL 1977 EXPLORATORY WELLS (a)
(all offshore)
Name | TD in ft | Status
Osprey 2 X | na | Gas discovery
*Puffin 1 X | 14,212 | P&A (non commercial hydrocarbons found)
*Fulmar 1 X | na | Gas and condensate discovery
(a) Drilled in water depths ranging from 250 to 350 ft, at undisclosed coordinates.
* Wells spudded in 1977
na not available
BRUNEI SHELL
Frigate 1 X : drilling
Spudded : March 1978
(Sedco 135 E semisubmersible?)
BRUNEI SHELL
Magpie field
Installation of a drilling/production platform completed in late 1977
BRUNEI SHELL
Danau 3 X: TD 10,100 ft, P&A
Spudded : 31 Jan 78
Abandoned : 24 Mar 78
BRUNEI SHELL
SW Ampa field
2 rigs active
(Tenaga, JW Nickle)
BRUNEI SHELL
Supplemented area added to land agreement in 1968
BRUNEI SHELL
Supplemented area added to land agreement in 1975
BRUNEI SHELL
Champion field
3 rigs active
(IJ Pierce, Maersk Assister, Chris Seger)
BRUNEI SHELL
Half of first offshore agreement area released in late 1976.
WOODS rights (formerly ASHLAND) due for 50% area reduction in 1976.
No map available so far.
SOUTH CHINA SEA
SABAH (MALAYSIA)
SARAWAK (MALAYSIA)
LABUAN ISL.
Brunei Bay
BRUNEI
KALIMANTAN (INDONESIA BORNEO)
KOTA KINABALU (JESSELTON)
— LIST OF RIGHTHOLDERS —
Sq km held as of 31 December 77 | Change in area
WOODS | WOODS PETROLEUM CORP | 100% | ab 1,900 | — 1,900
SHELL BRUNEI | BRUNEI SHELL PETROLEUM CO (Optr) | 50% | 7,030 | 0
STATE OF BRUNEI | 50%
SUNRAY | SUNRAY BORNEO OIL CO | 100% | 938 | 0
Sun Oil Co 50%
Clark Brunei Oil & Refining Co 25%
Superior Oil Co 25%
— LEGEND —
- WELL SYMBOLS -
Approximate location
Location
Suspended
Abandoned
Total depth in feet
Status and TD's of these wells are unknown
Oil
Oil shows
Gas
Gas shows
- FIELD SYMBOLS -
Oil
Pipeline
Abandoned
- OTHER SYMBOLS -
Isobath in fathoms
International boundary
Petroleum Rights
BRUNEI
Total land area : 5,800 sq km
Main sedimentary area (land) : 5,800 sq km
Shelf area (0-200 m) : 8,800 sq km
FOREIGN SCOUTING SERVICE
SYNOPSIS 1977
(INCLUDING CURRENT ACTIVITY)
BRUNEI
SCALE 1:1,000,000
April 1978
Petroconsultants S.A., Geneva.
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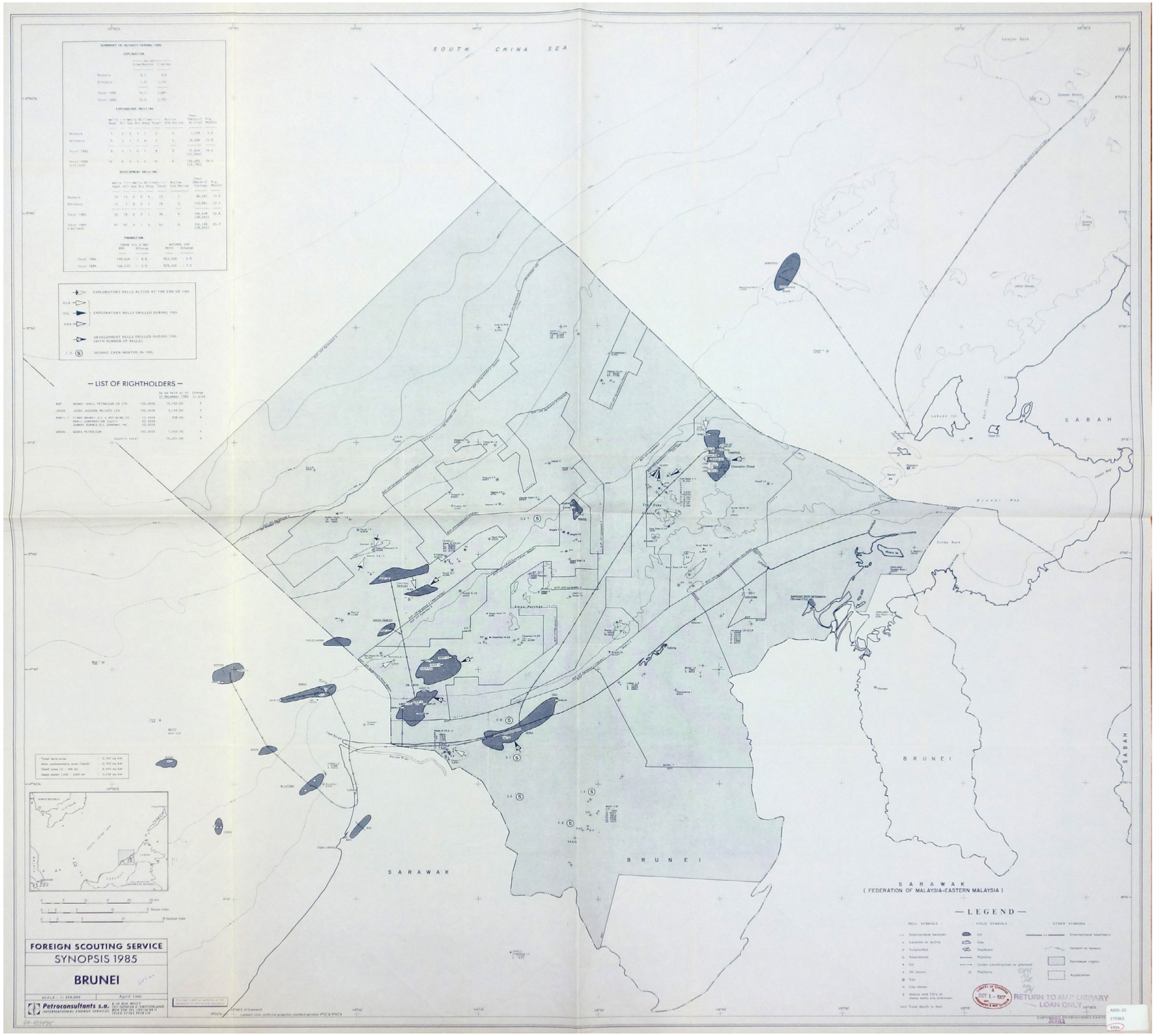
1978, *Brunei*

1978
Brunei

Subject
Brunei

Author
Petroconsultants, S.A.


SOUTH CHINA SEA
SABAH
BRUNEI
SARAWAK
SARAWAK
(FEDERATION OF MALAYSIA-EASTERN MALAYSIA)
— LIST OF RIGHTHOLDERS —
— LEGEND —
FOREIGN SCOUTING SERVICE
SYNOPSIS 1985
BRUNEI
Petroconsultants s.a.
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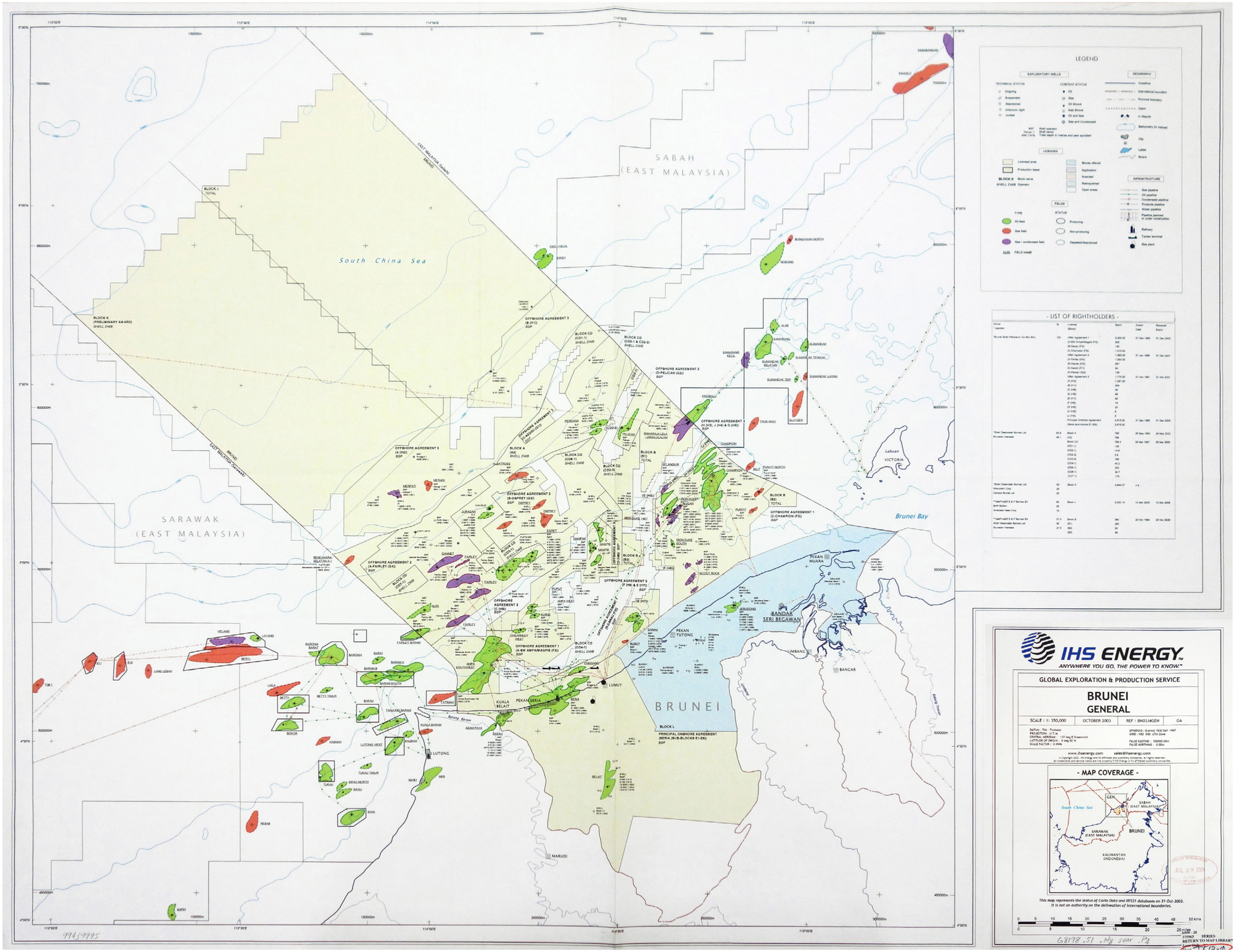
1986, *Brunei*

1986
Brunei

Subject
Brunei

Author
Petroconsultants, S.A.



2003, *Brunei: General*

2003
Brunei: General

Subject
Brunei

Author
IHS Energy

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Subject Country

China

China's Hydrocarbon Potential

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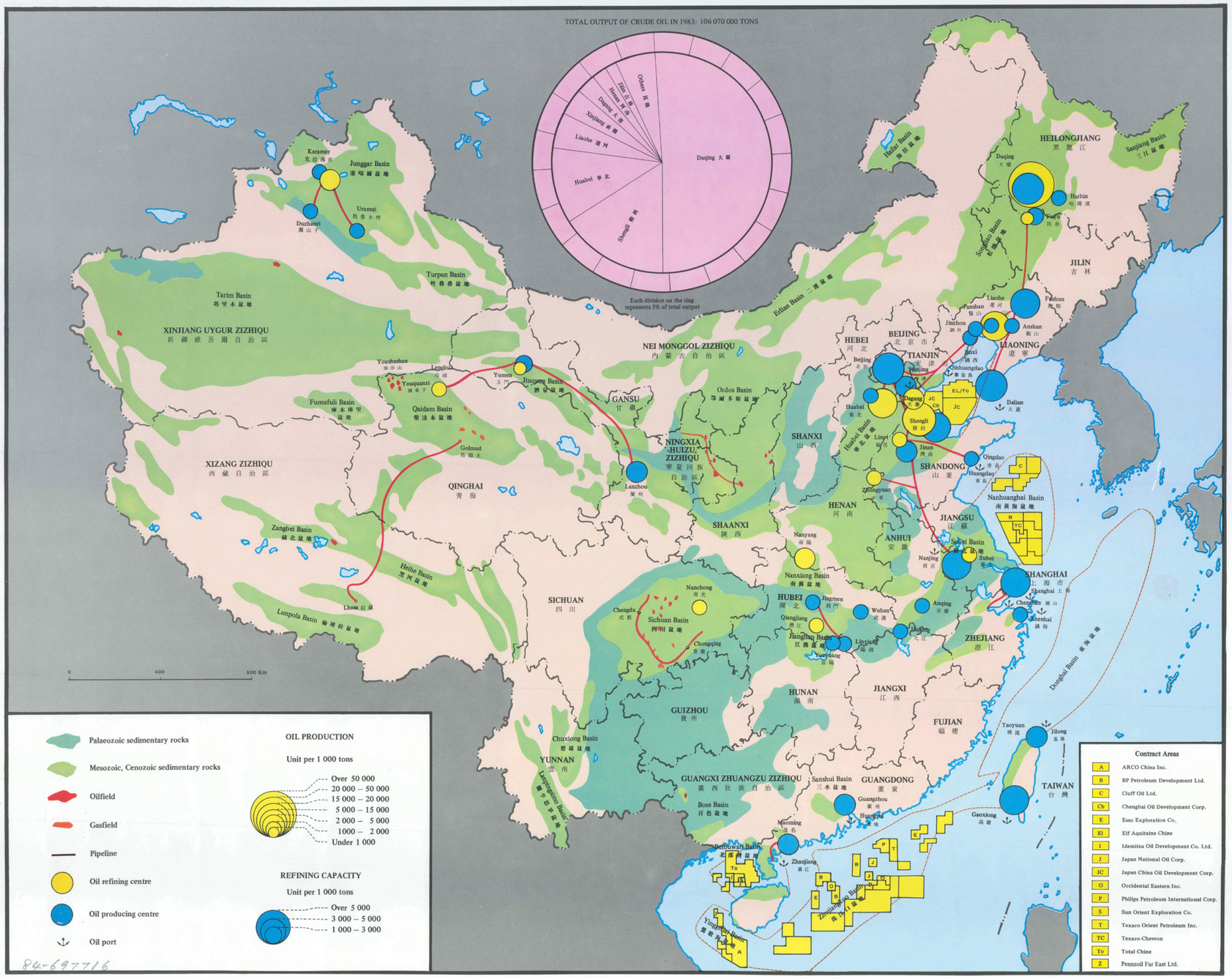

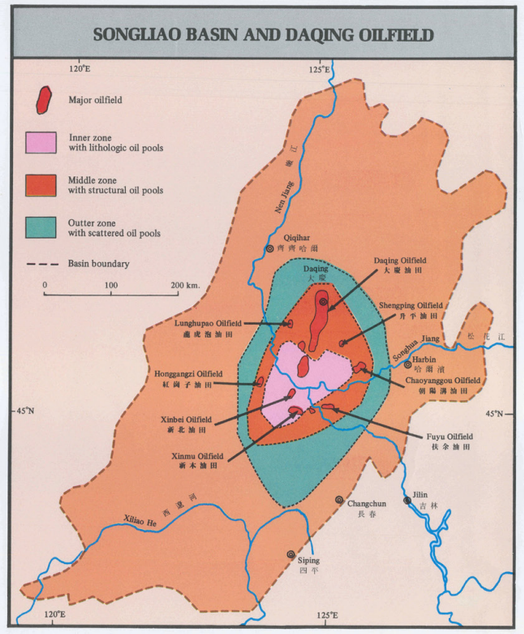

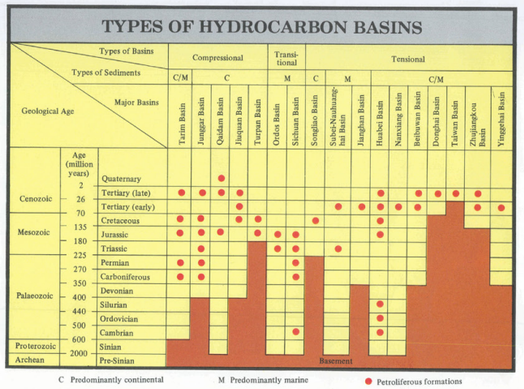

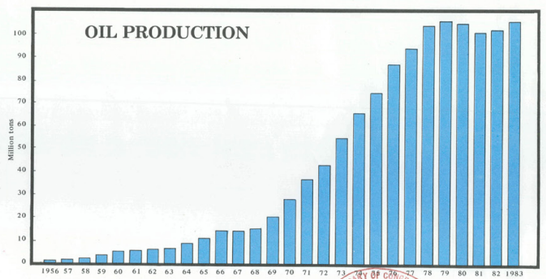

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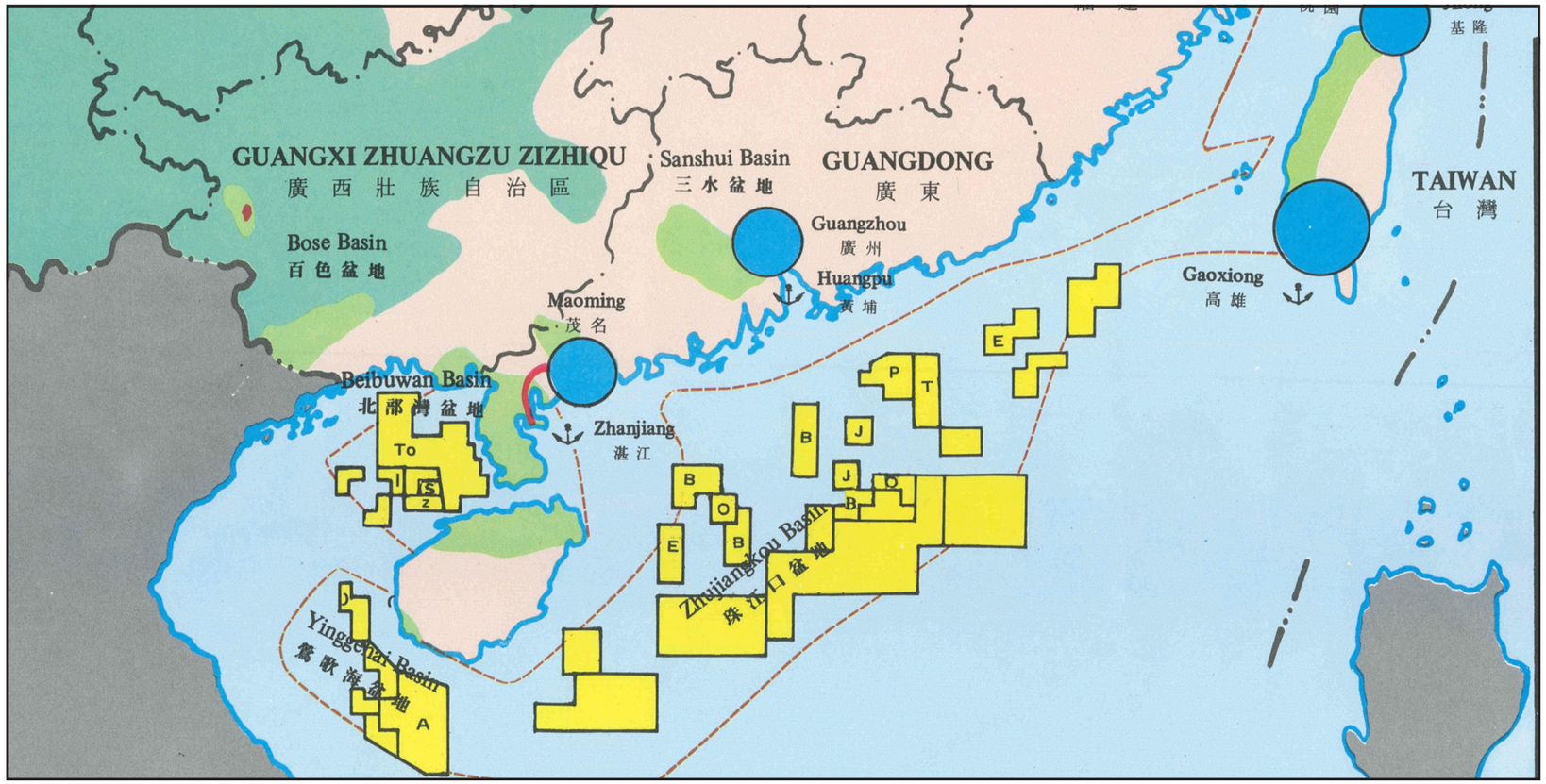
1984, *China's Hydrocarbon Potential*

1984
China's Hydrocarbon Potential

Subject
China

Author
Asian Research Service



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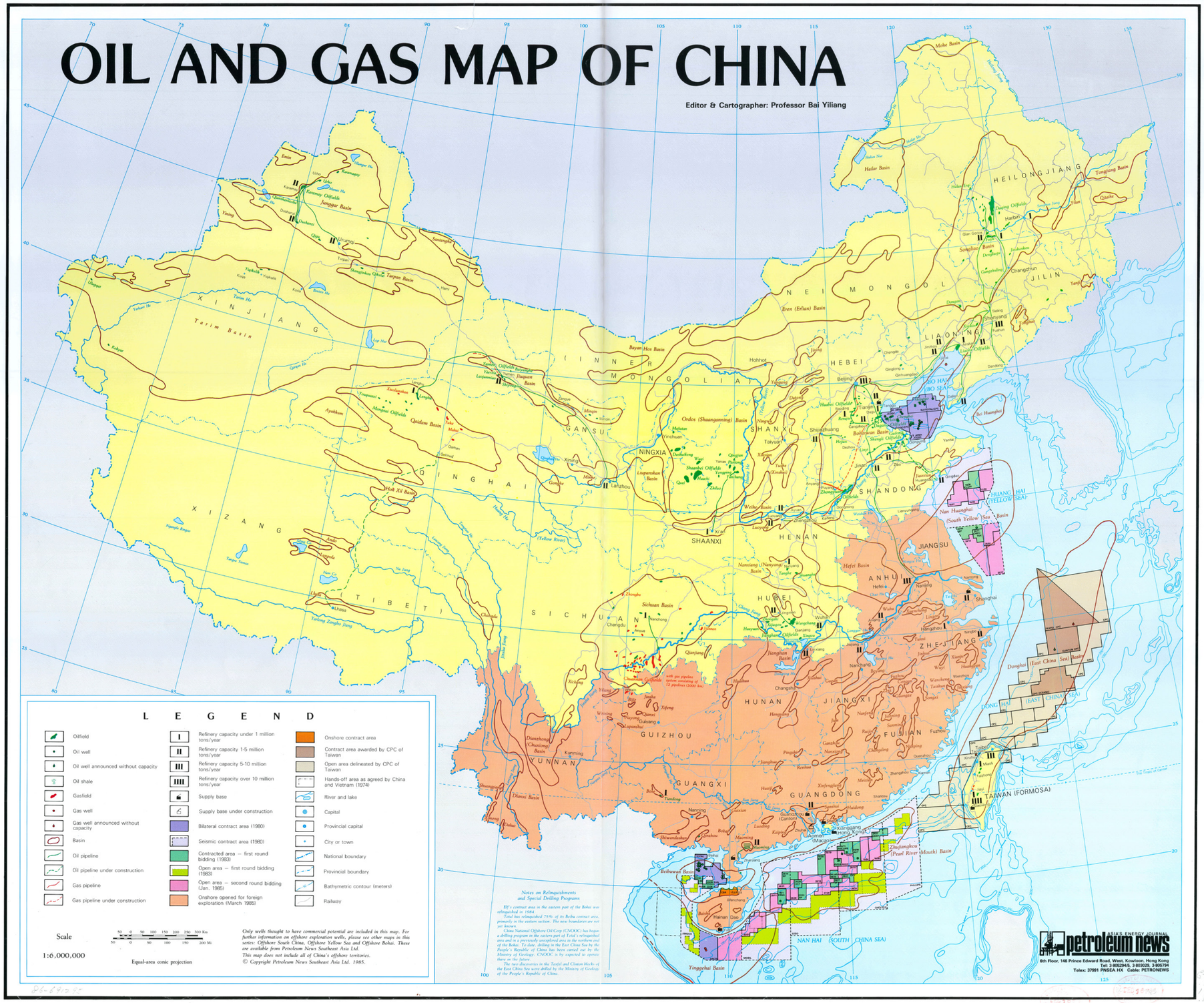

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1985
Oil and Gas Map of China

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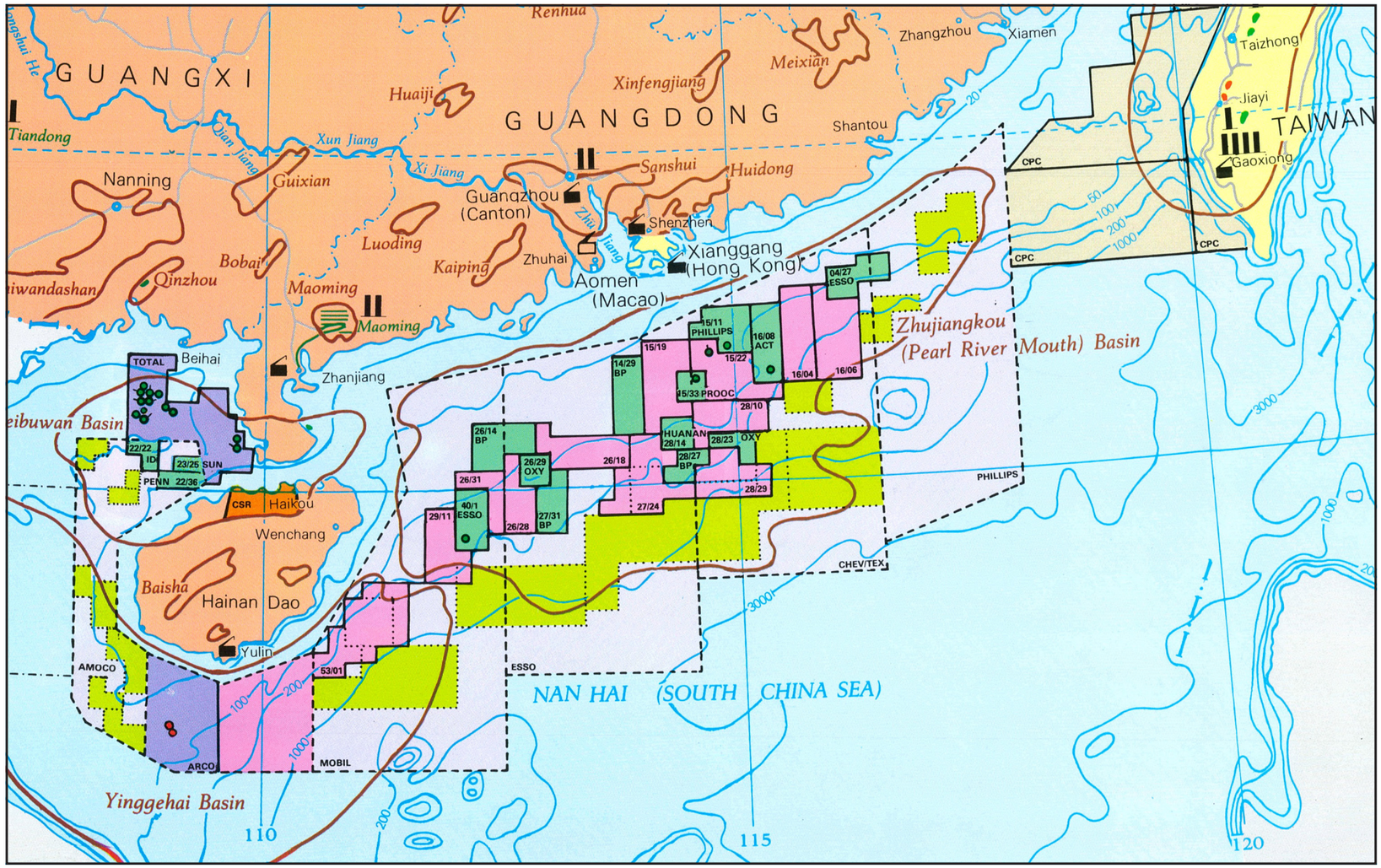
China

Author
Petroleum News Southeast Asia Ltd.



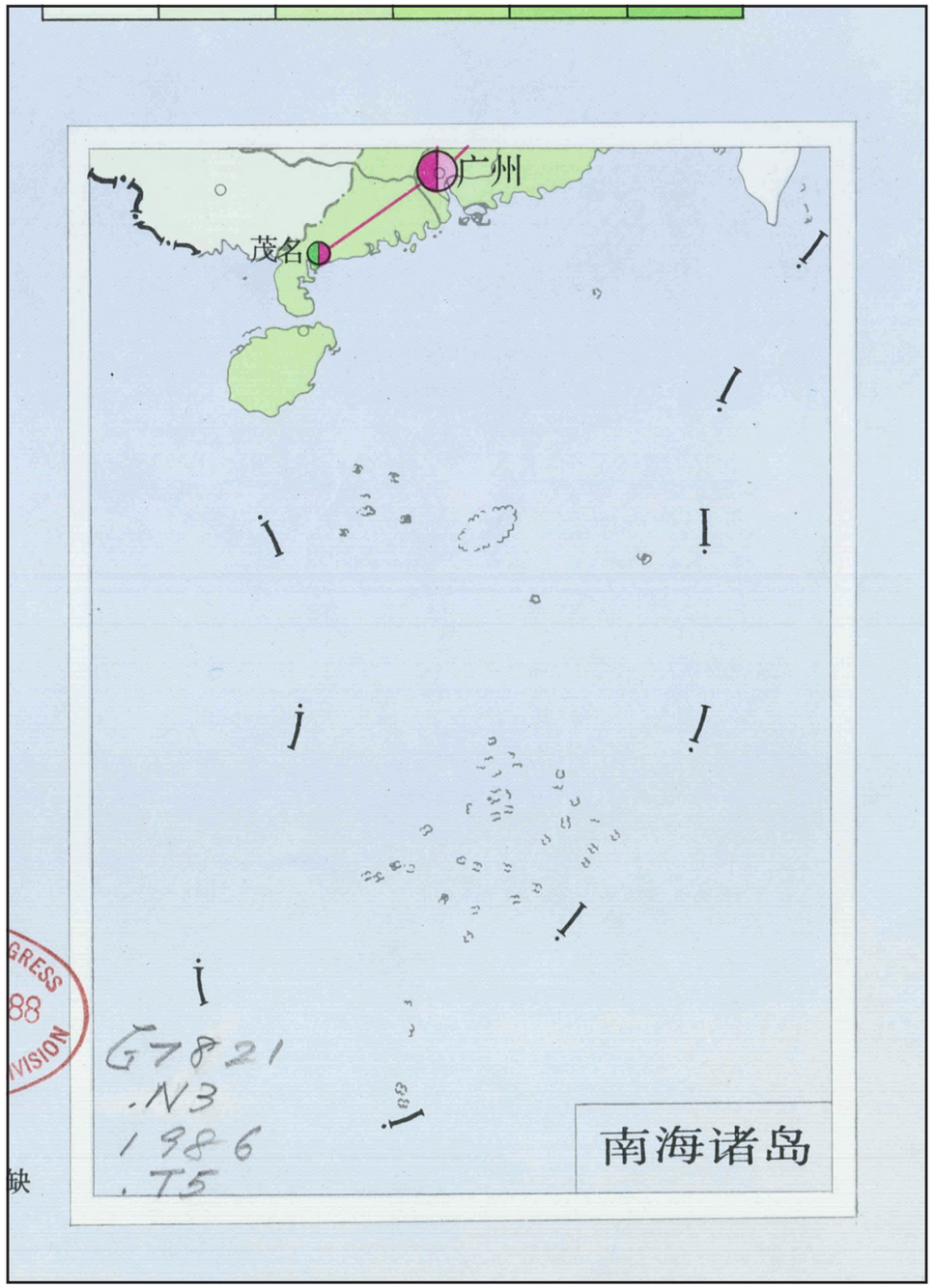
Enlargement. 1985, *Oil and Gas Map of China*

1986, *Zhong guo neng yuan gong ye [China Energy Resource Industry]*

1986
Zhong guo neng yuan gong ye [China Energy Resource Industry]

Subject
China

Author
Cartographic Publishing House, Jin Qingyu, editor



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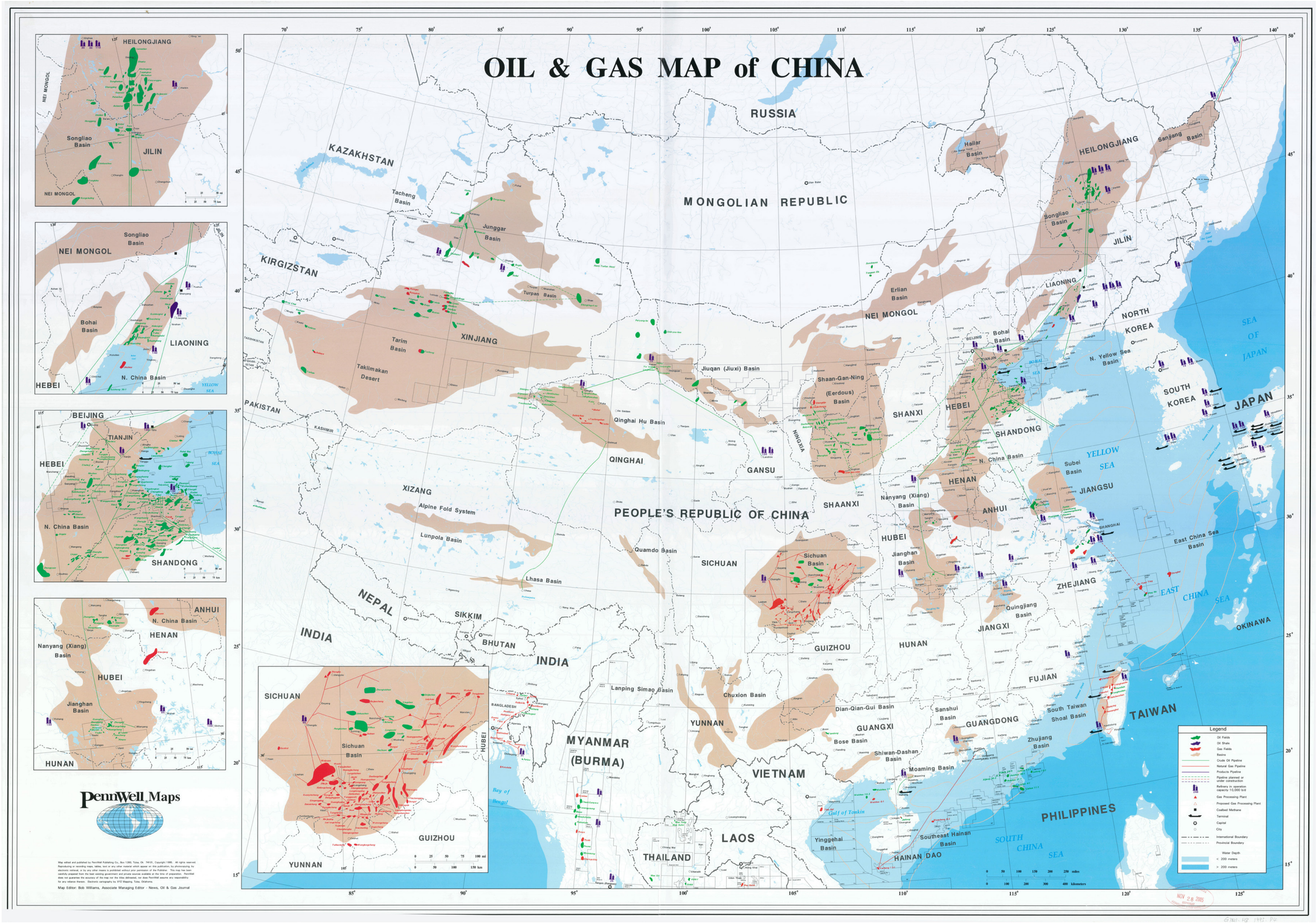

1995, *Oil & Gas Map of China*

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Oil & Gas Map of China

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China

Author
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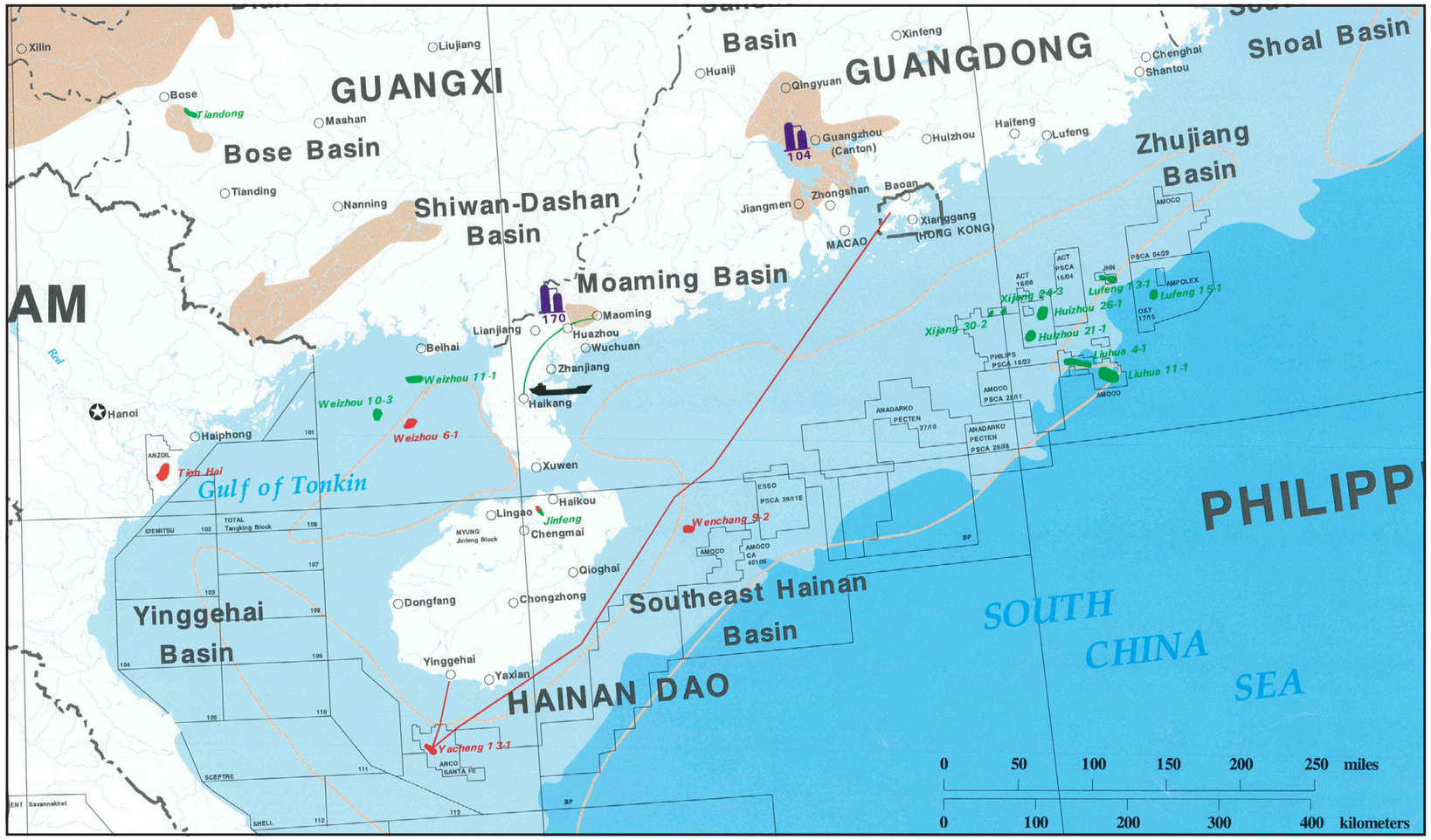

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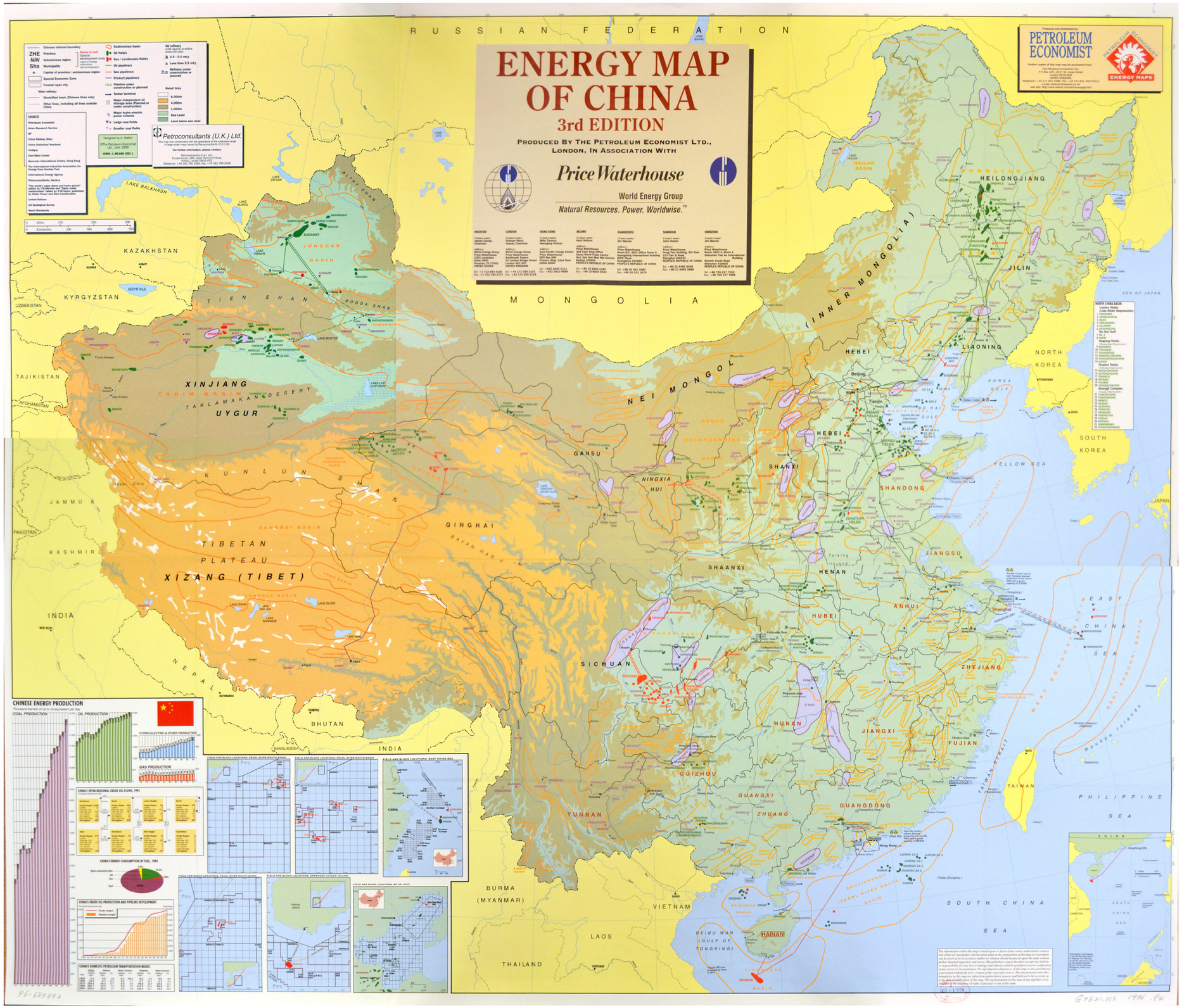

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China

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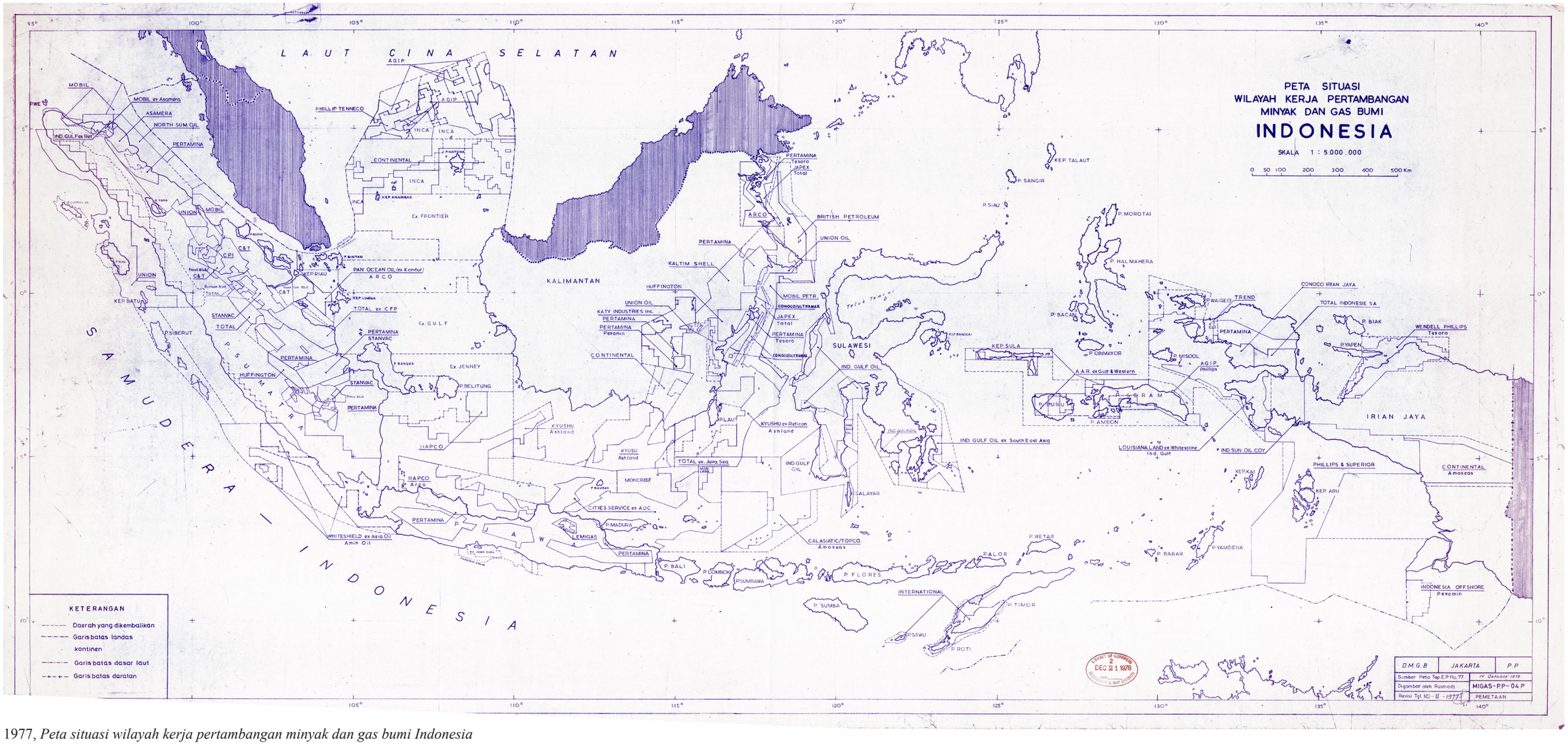
Subject Country

Indonesia



1977, *Peta situasi wilayah kerja pertambangan minyak dan gas bumi Indonesia*

1977
Peta situasi wilayah kerja pertambangan minyak dan gas bumi Indonesia

Subject
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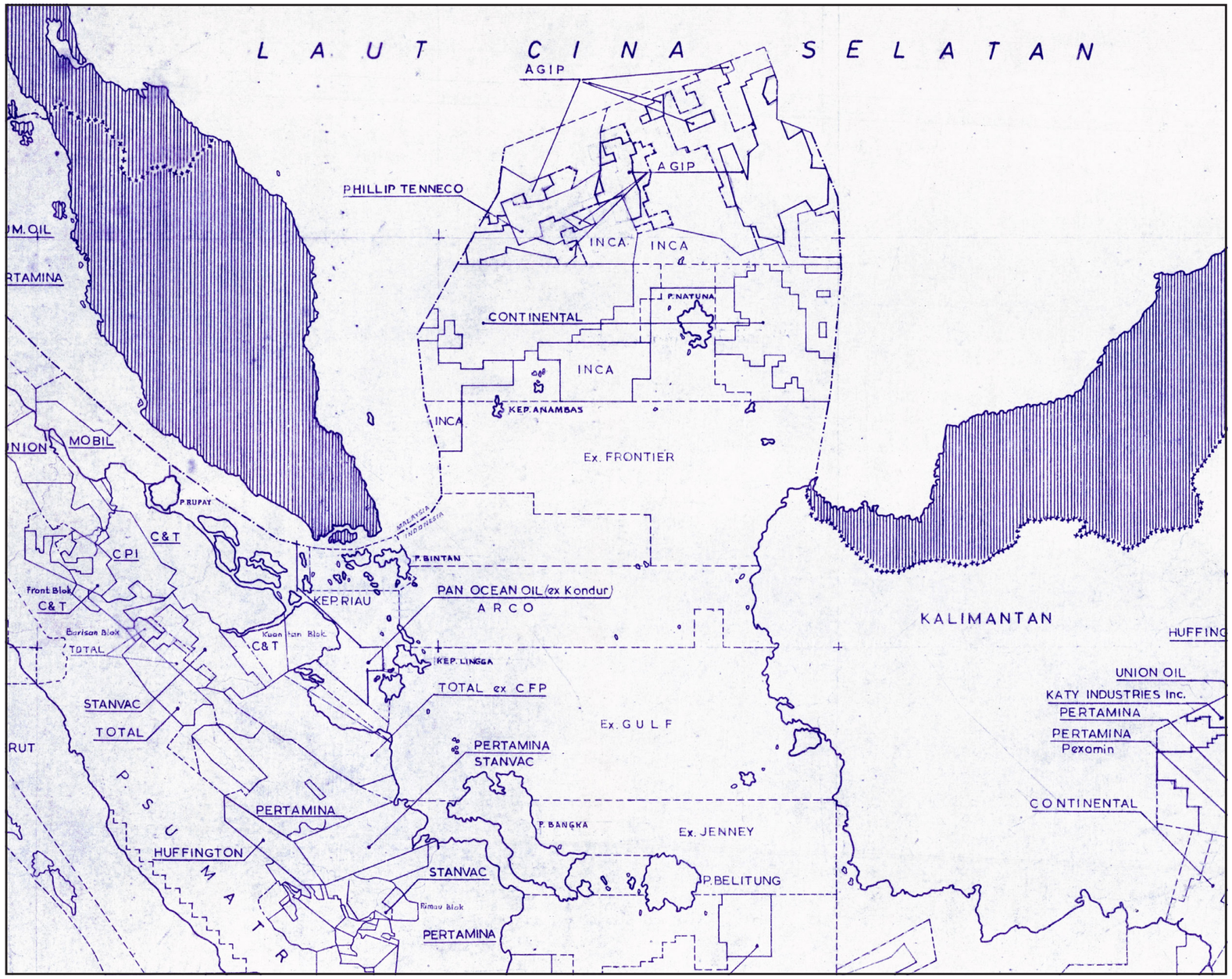
Author
Indonesian Direktorat Minyak dan Gas Bumi (DMGB), Rusmadi



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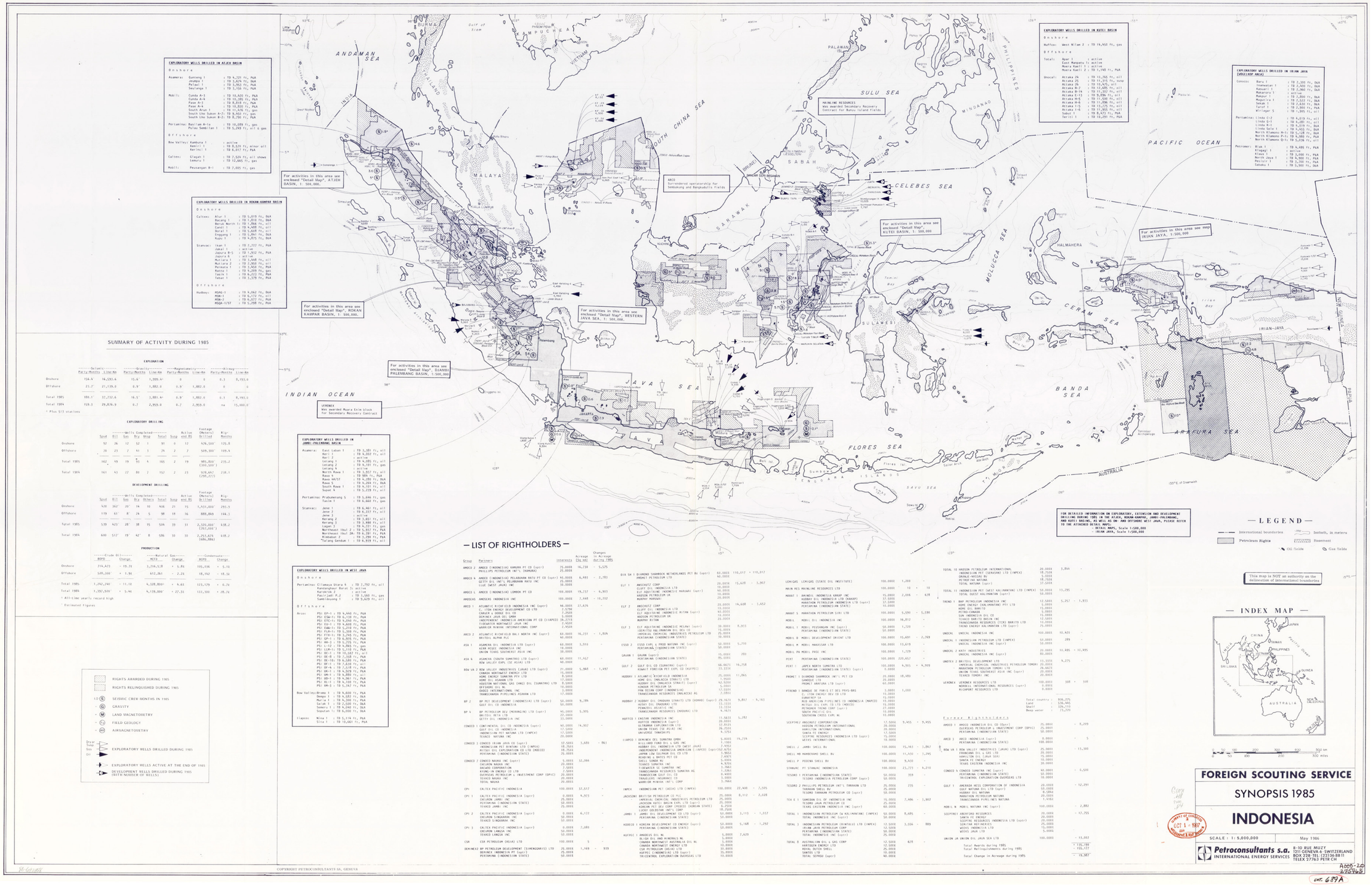

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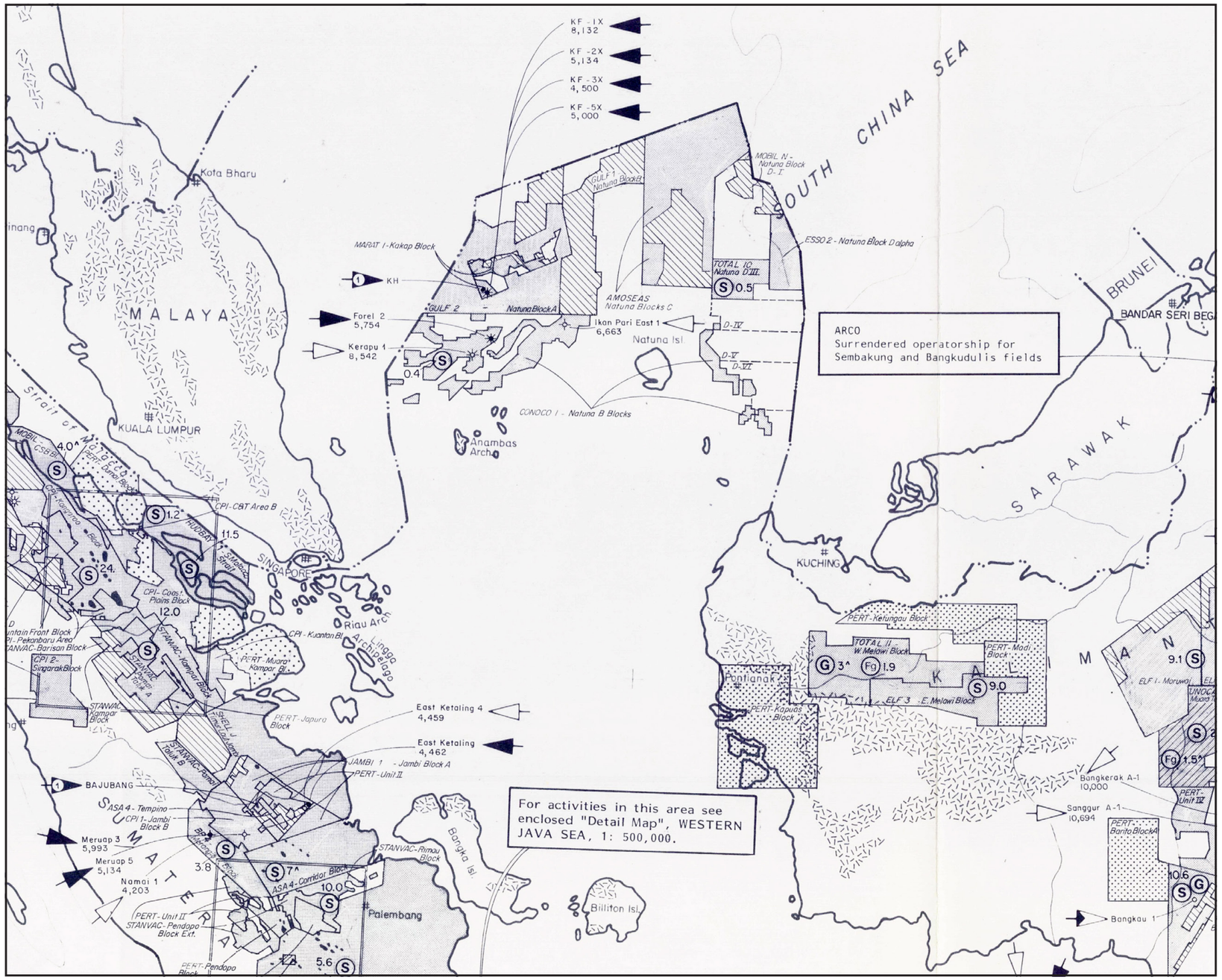

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1986, *Peta situasi wilayah kerja pertambangan minyak dan gas bumi Indonesia*

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Peta situasi wilayah kerja pertambangan minyak dan gas bumi Indonesia

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Author
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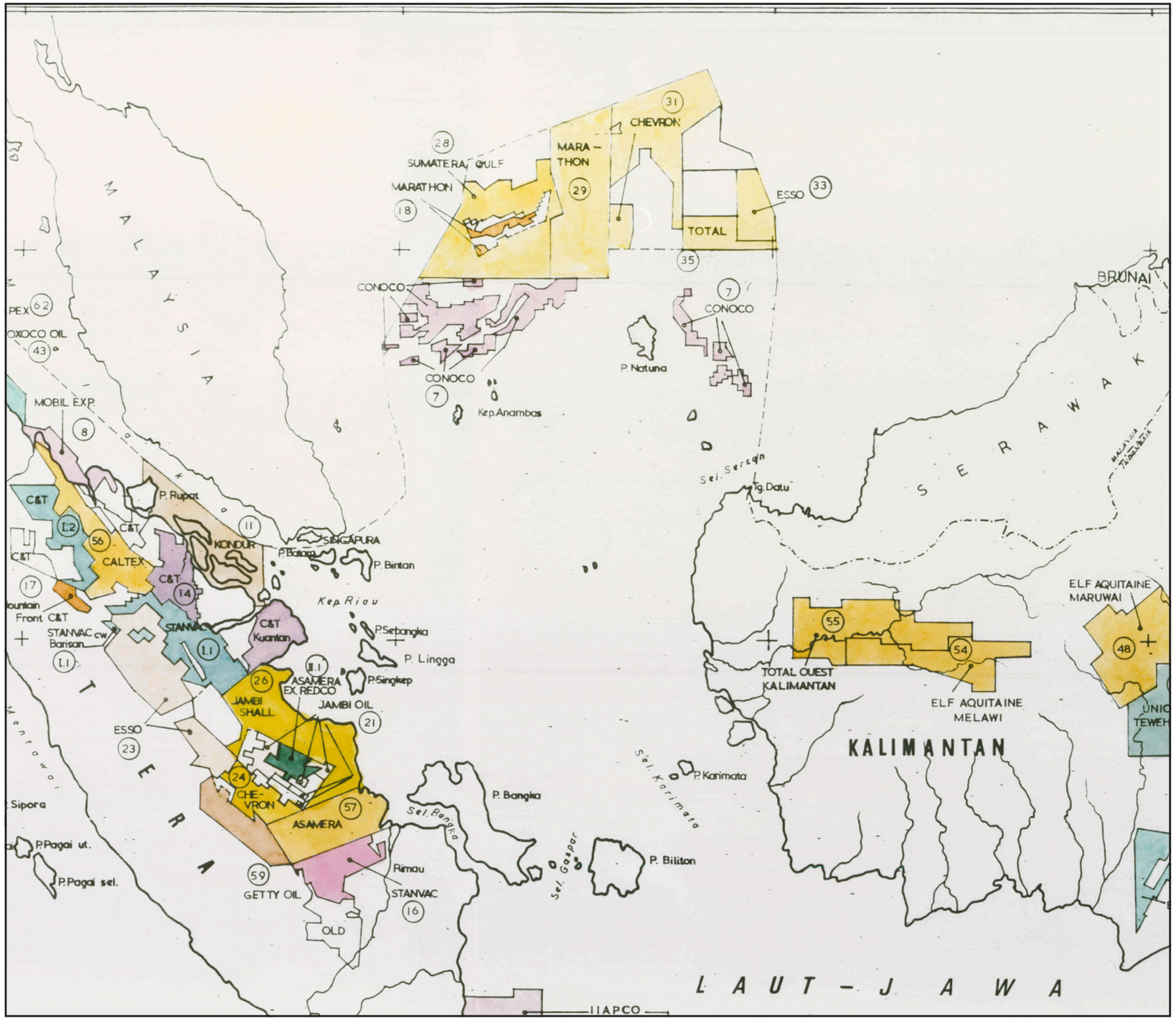

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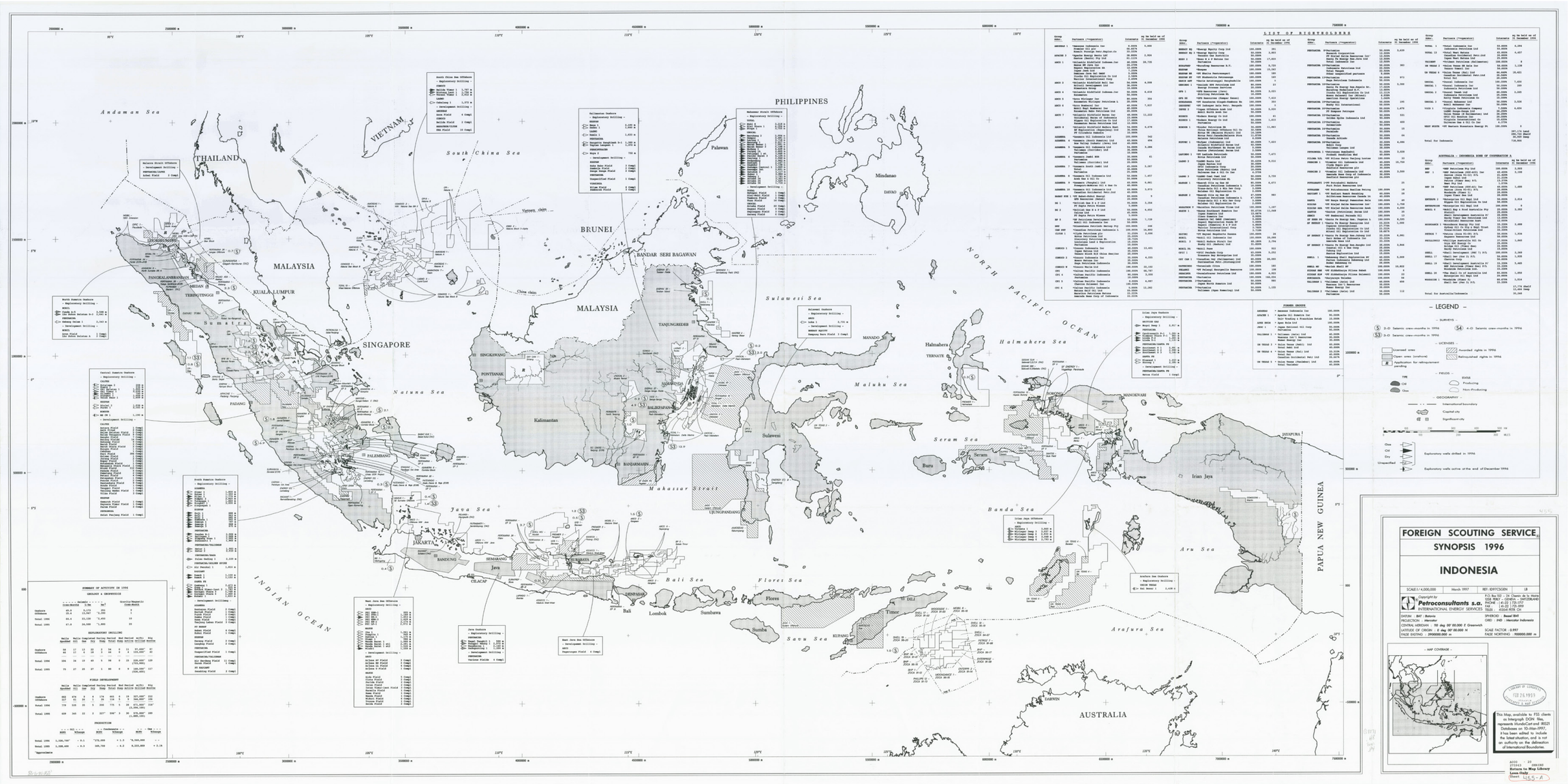

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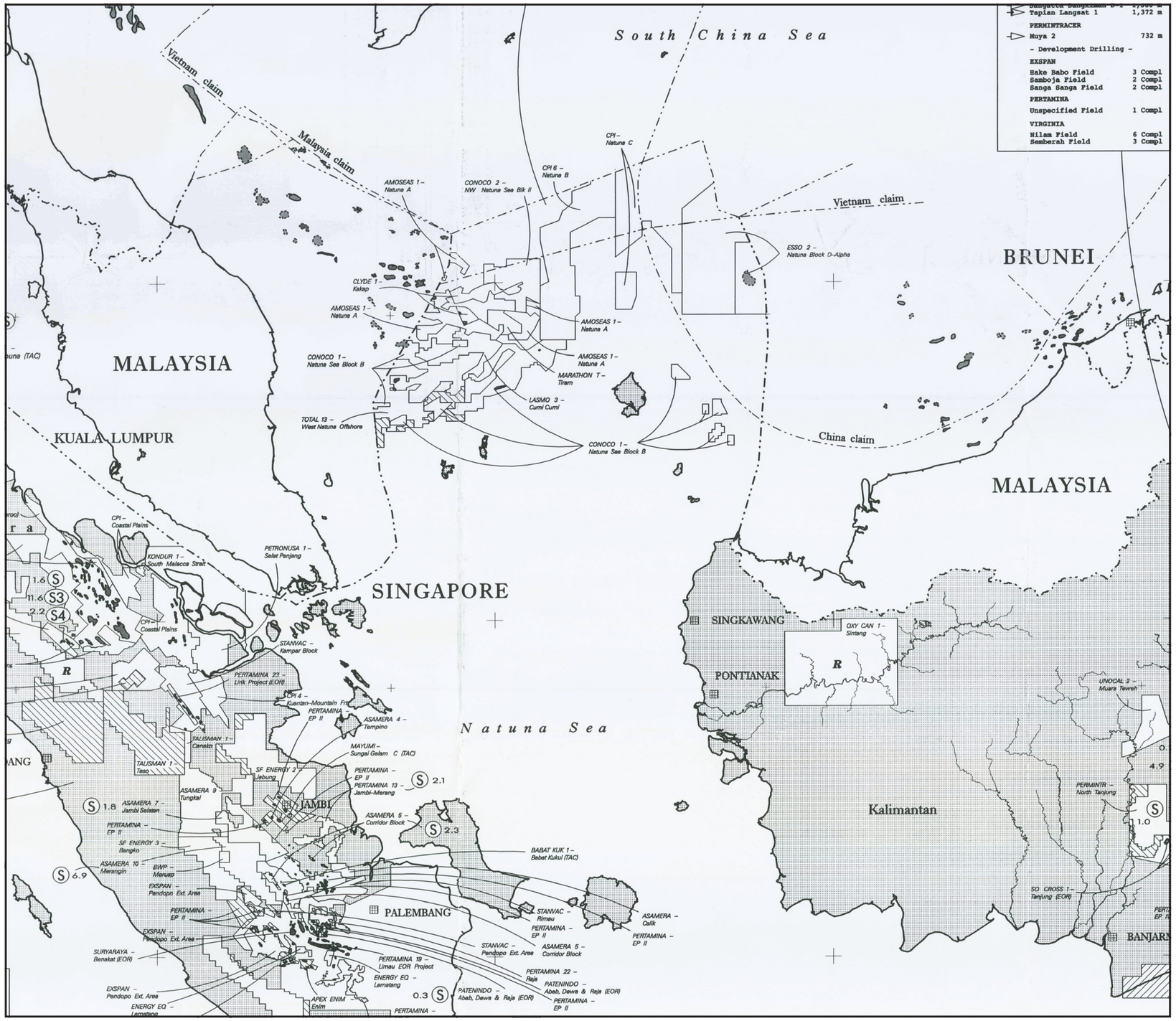

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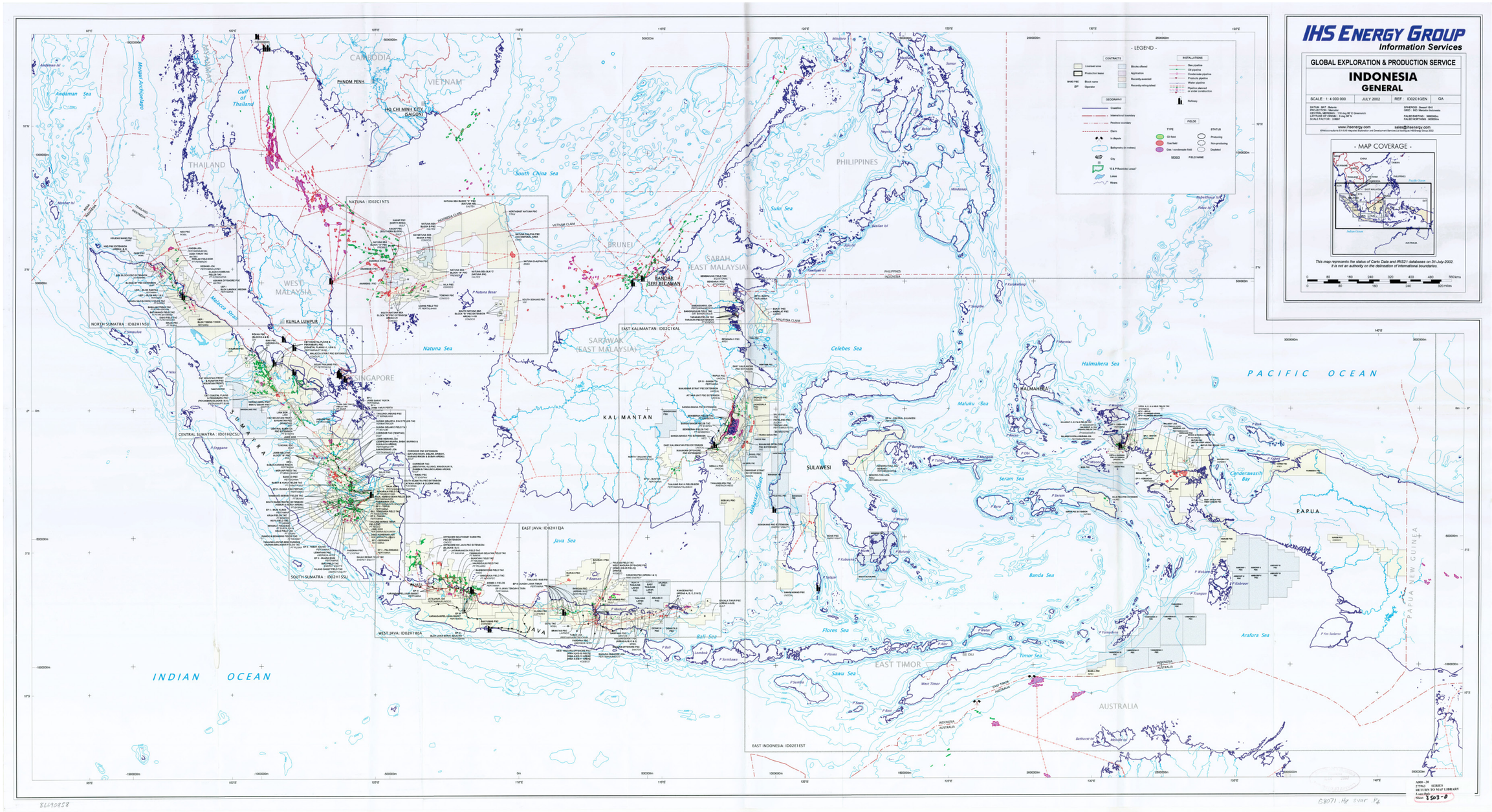
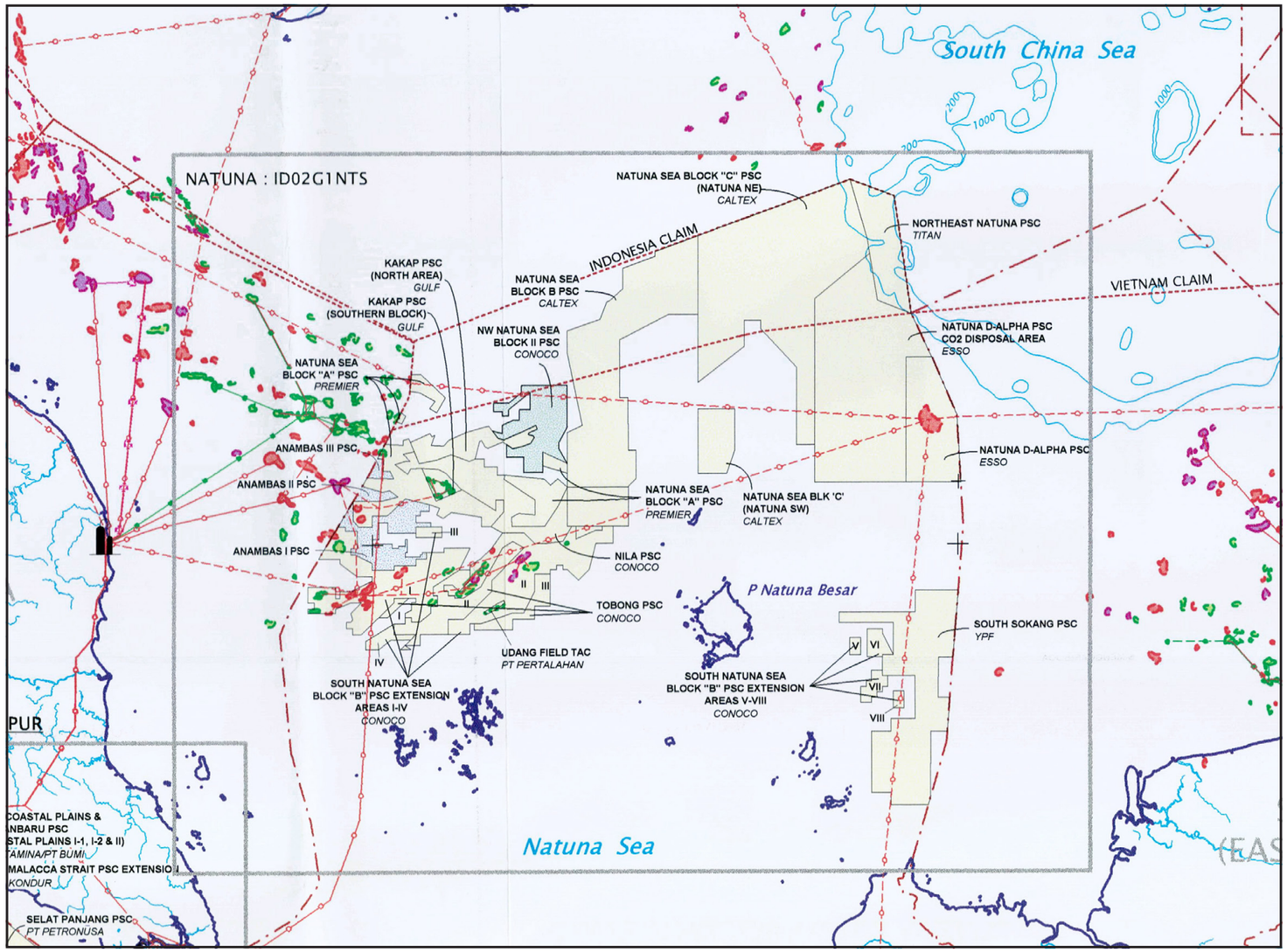


2002, *Indonesia: General*

2002
Indonesia: General

Subject
Indonesia

Author
IHS Energy Group



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PETA WILAYAH KERJA PERMINYAKAN INDONESIA

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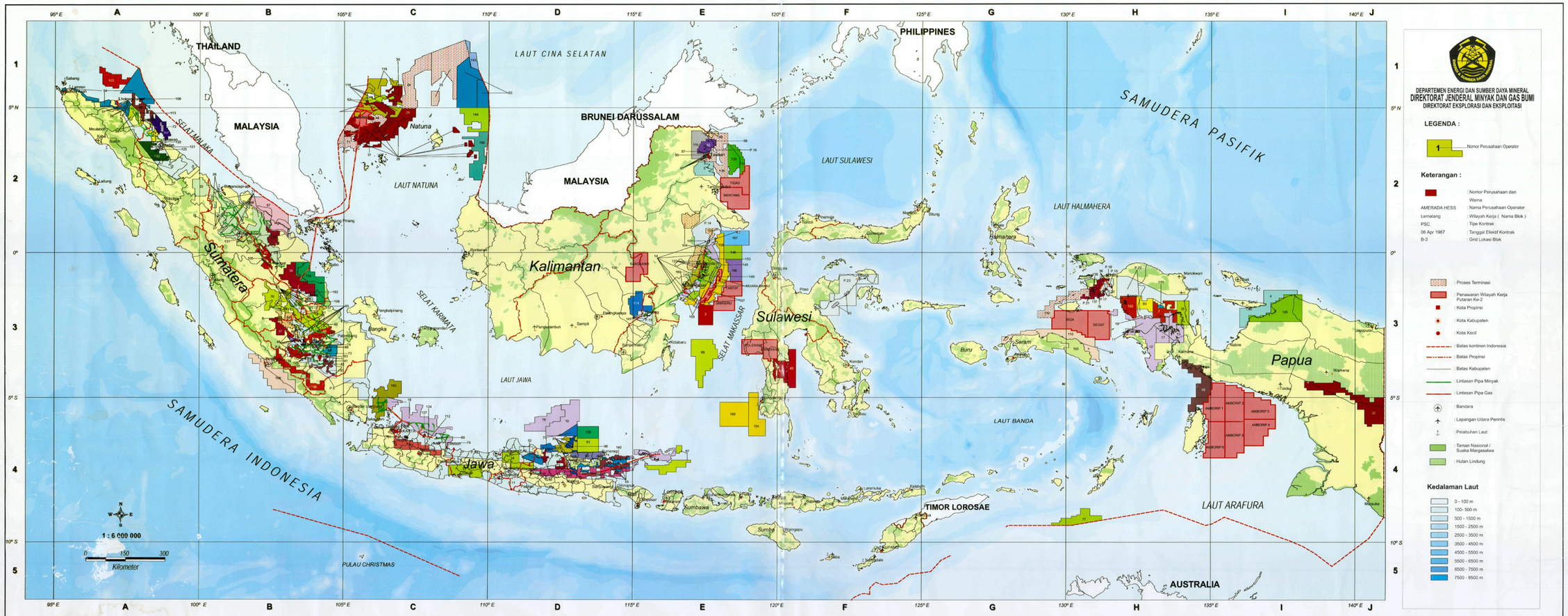

2002, *Peta wilayah kerja perminyakan Indonesia*

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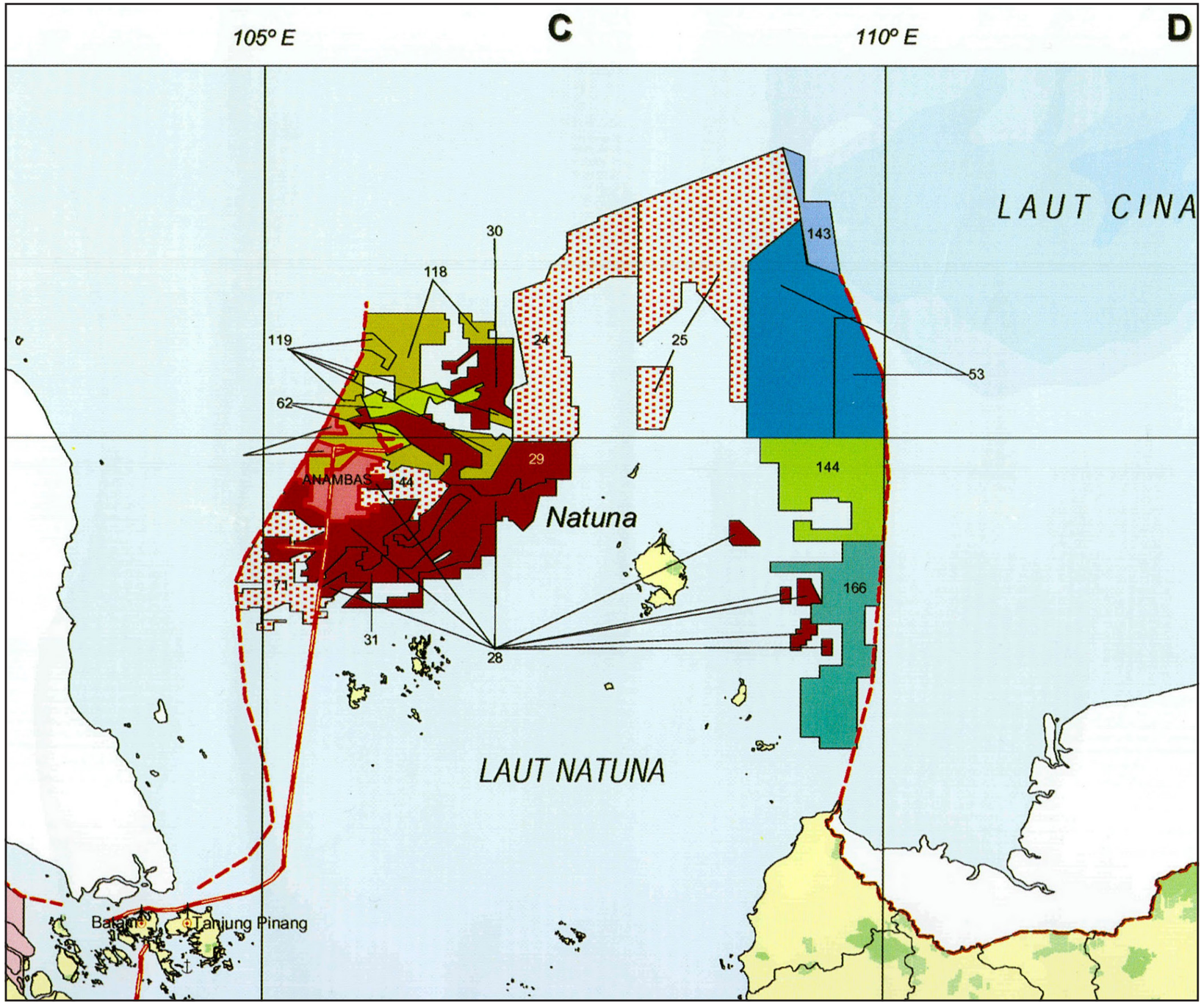
Peta wilayah kerja perminyakan Indonesia

Subject
Indonesia

Author
Indonesian Direktorat Jenderal Minyak dan Gas Bumi



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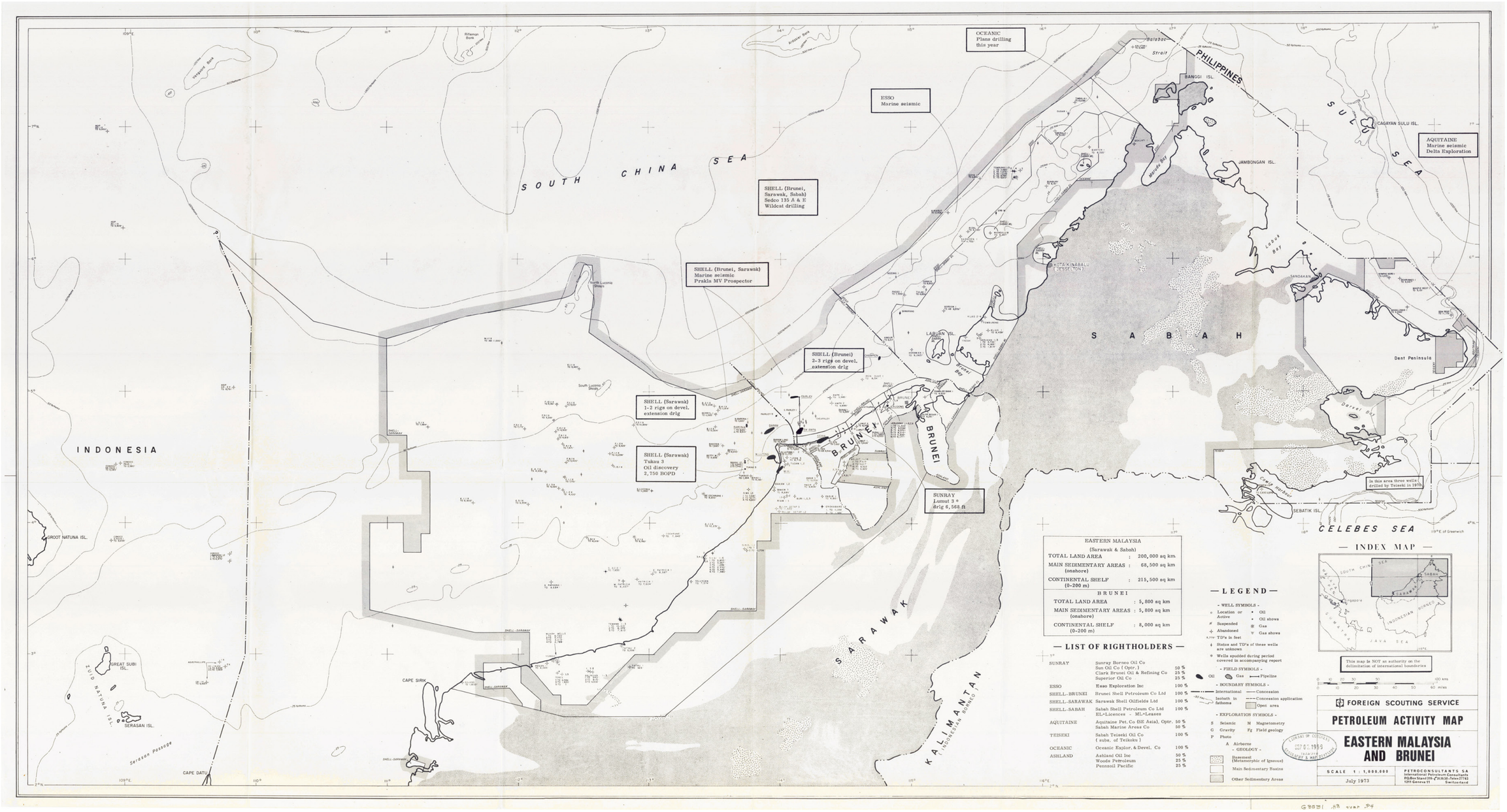
Subject Country

Malaysia



1973, *Eastern Malaysia and Brunei*

1973
Eastern Malaysia and Brunei

Subject
Malaysia

Author
Petroconsultants, S.A.

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1977, *Malaysia: Oil and Gas Prospects*

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Subject
Malaysia

Author
U.S. Central Intelligence Agency

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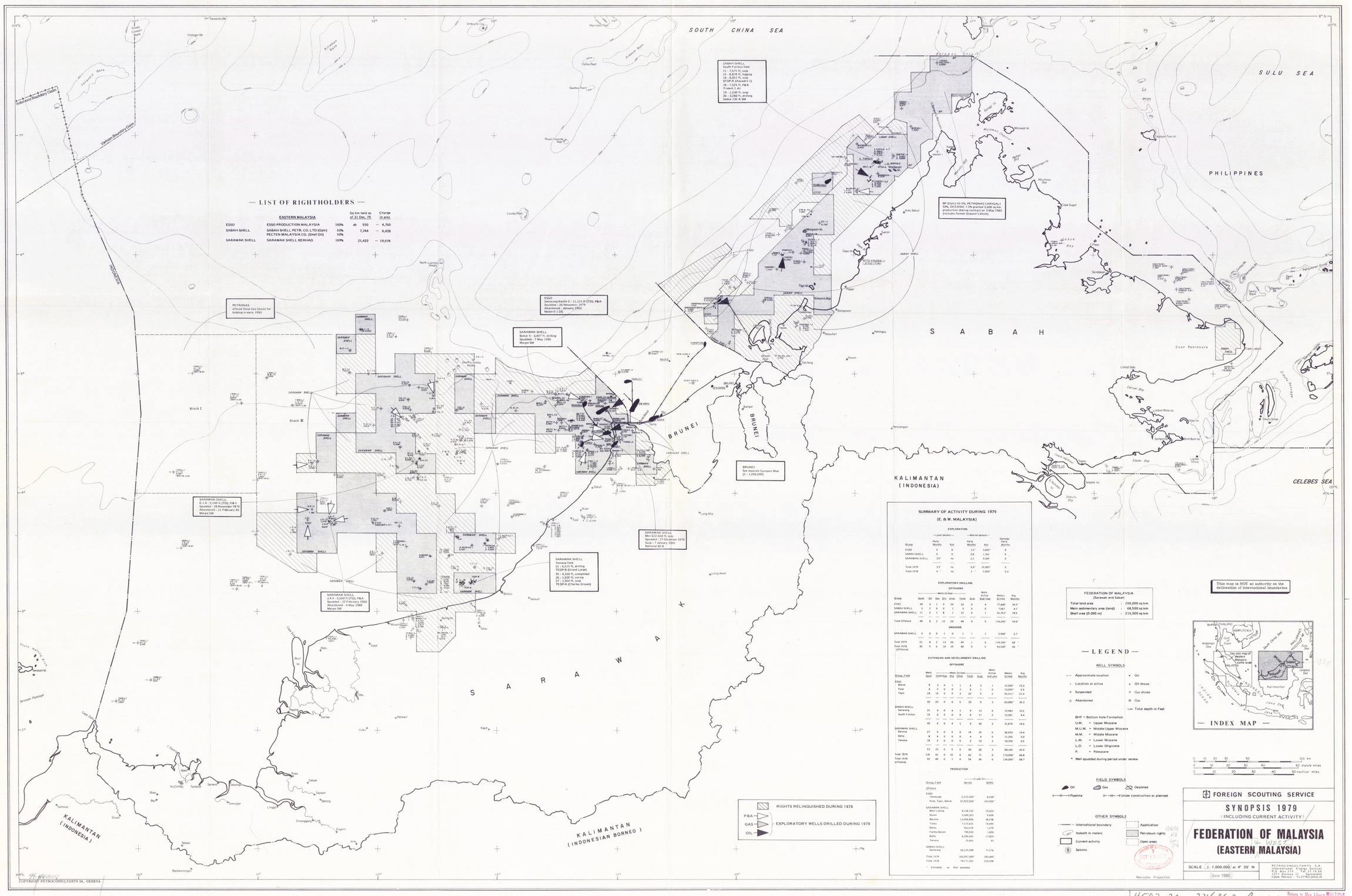
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SULU SEA
PHILIPPINES
CELEBES SEA
S A B A H
S A R A W A K
BRUNEI
KALIMANTAN (INDONESIA)
KALIMANTAN (INDONESIAN BORNEO)
— LIST OF RIGHTHOLDERS —
EASTERN MALAYSIA
Sq km held as of 31 Dec. 79
Change in area
ESSO — ESSO PRODUCTION MALAYSIA 100% ab 550 — 4,760
SABAH SHELL — SABAH SHELL PETR. CO. LTD (Dpfr) 50% 7,244 — 6,426
PECTEN MALAYSIA CO. (Shell Oil) 50%
SARAWAK SHELL — SARAWAK SHELL BERHAD 100% 21,422 — 19,578
SABAH SHELL
South Furious field
11 : 7,571 ft, susp
15 : 8,070 ft, logging
16 : 6,651 ft, susp
SF/SP-A (Alusaid-1 ST)
18 : 7,525 ft, P&A
SF/SP-B
19 : 1,230 ft, susp
20 : 3,280 ft, drilling
Sedia 135 A SM
BP (Dzin) 42.5%, PETRONAS CARIGALI 50%, OCEANIC 7.5% granted 3,000 sq km production sharing contract on 3 May 1980 (includes former Oceanic's block)
PETRONAS offered these two blocks for bidding in early 1980
ESSO
Samarang Kechil 2 : 11,115 ft (TD), P&A
Spudded : 26 November 1979
Abandoned : January 3980
Neddrill I DS
SARAWAK SHELL
Spudded : 1,477 ft, drilling
Tanjung 1 SM
Margin SM
BRUNEI
See separate Synopsis Map (1 : 3,000,000)
SARAWAK SHELL
E.L.A : 5,149 ft (TD), D&A
Spudded : 28 November 1979
Abandoned : 23 February 80
Margin SM
SARAWAK SHELL
Mini 612-650 ft, susp
Spudded : 27 December 1979
Susp : 7 January 1980
National 80 B
SARAWAK SHELL
Tanjung 1 SM
TE-DP-B (Grand Large)
25 : 4,320 ft, completed
26 : 1,830 ft, coring
27 : 1,050 ft, susp
TE-DP-A (Charley Graves)
SARAWAK SHELL
J.A.A : 6,000 ft (TD), P&A
Spudded : 22 February 1980
Abandoned : 4 May 1980
Margin SM
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Block II
Block III
Block IV
Block V
Block VI
Block VII
Block VIII
Block IX
Block X
Block XI
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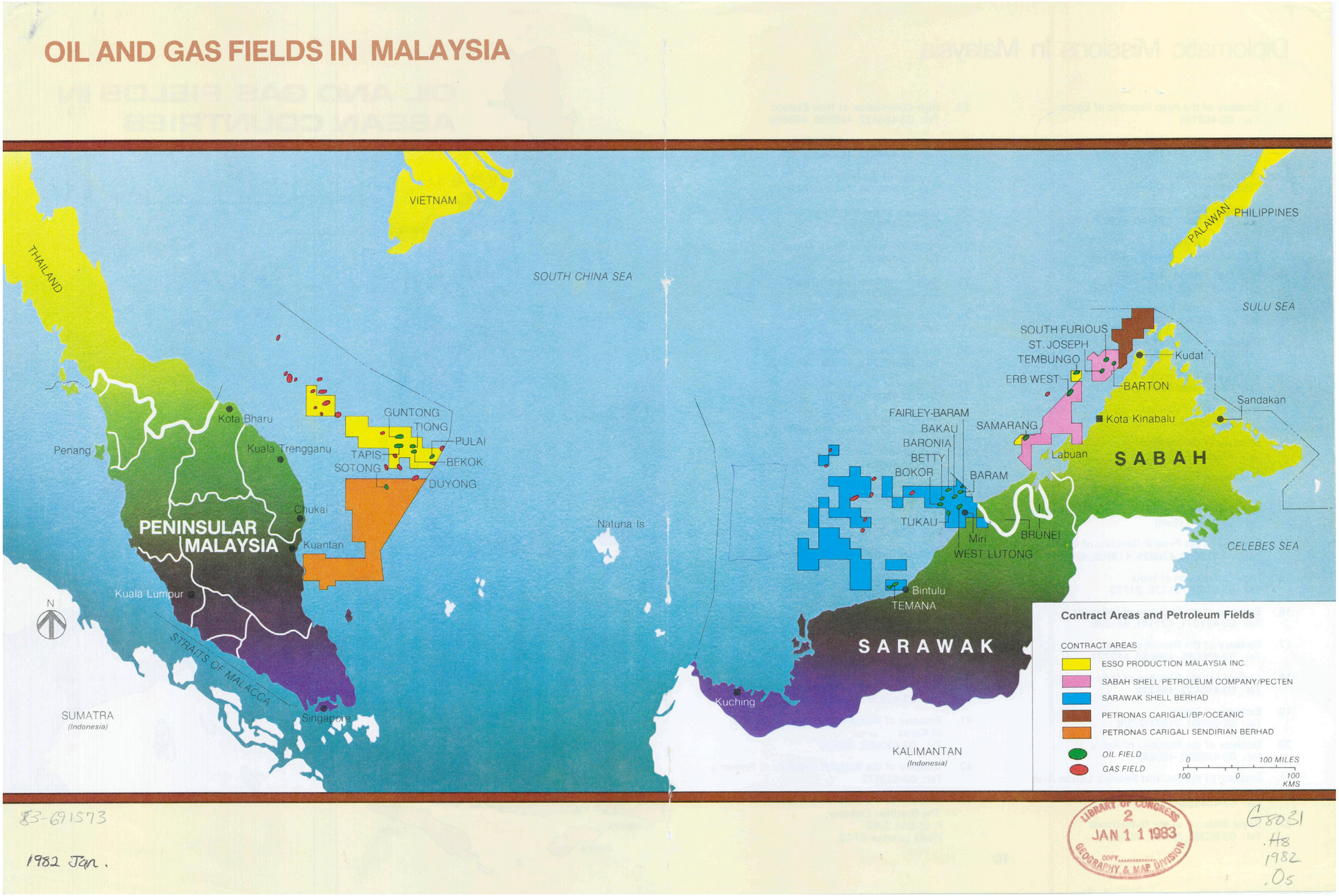
1980
Federation of Malaysia (Eastern Malaysia)

Subject
Malaysia

Author
Petroconsultants, S.A.



83-691573
1982 Jan.
LIBRARY OF CONGRESS
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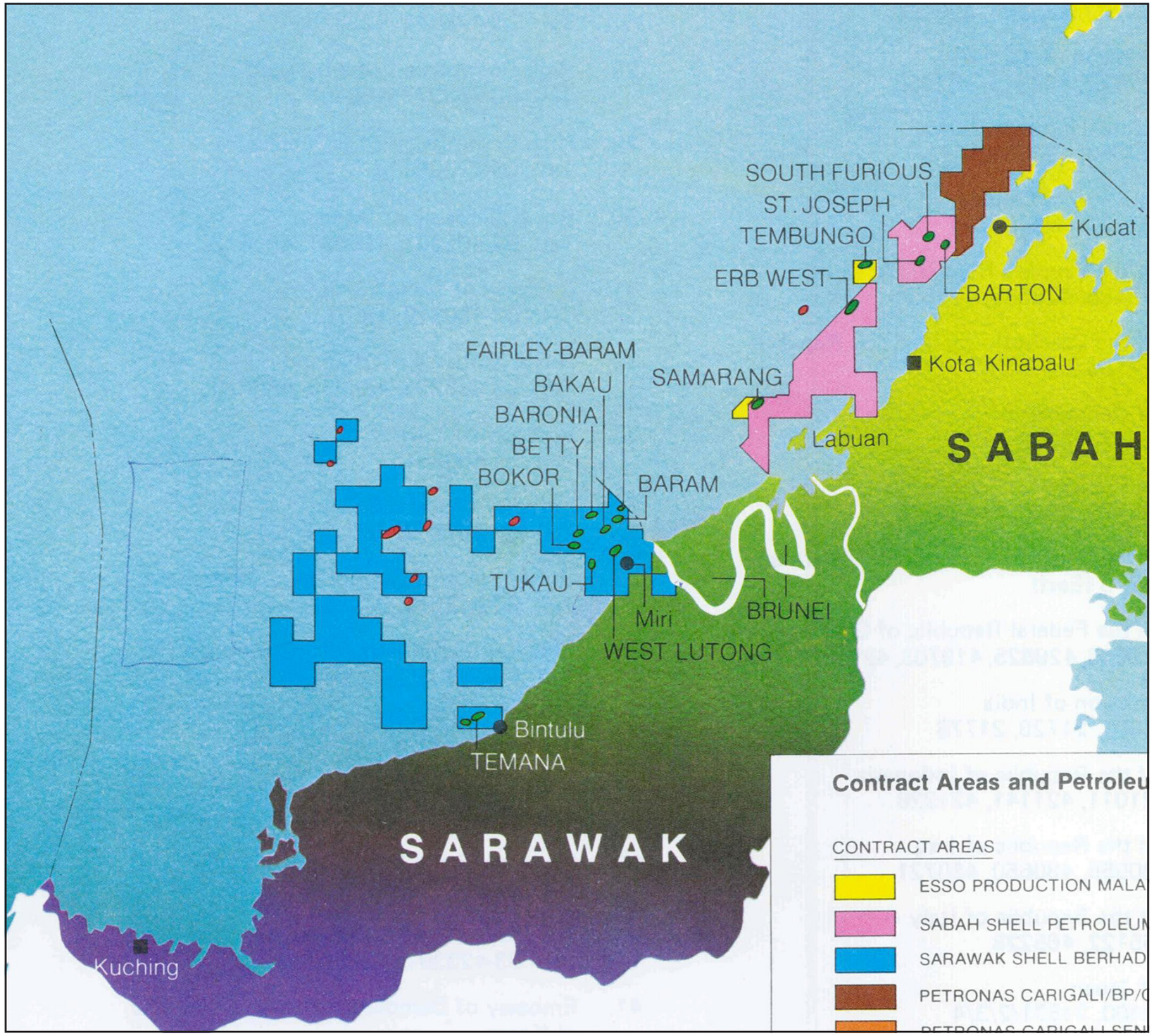
JAN 11 1983
COPY
GEOGRAPHY & MAP DIVISION
G8031
.H8
1982
.O5

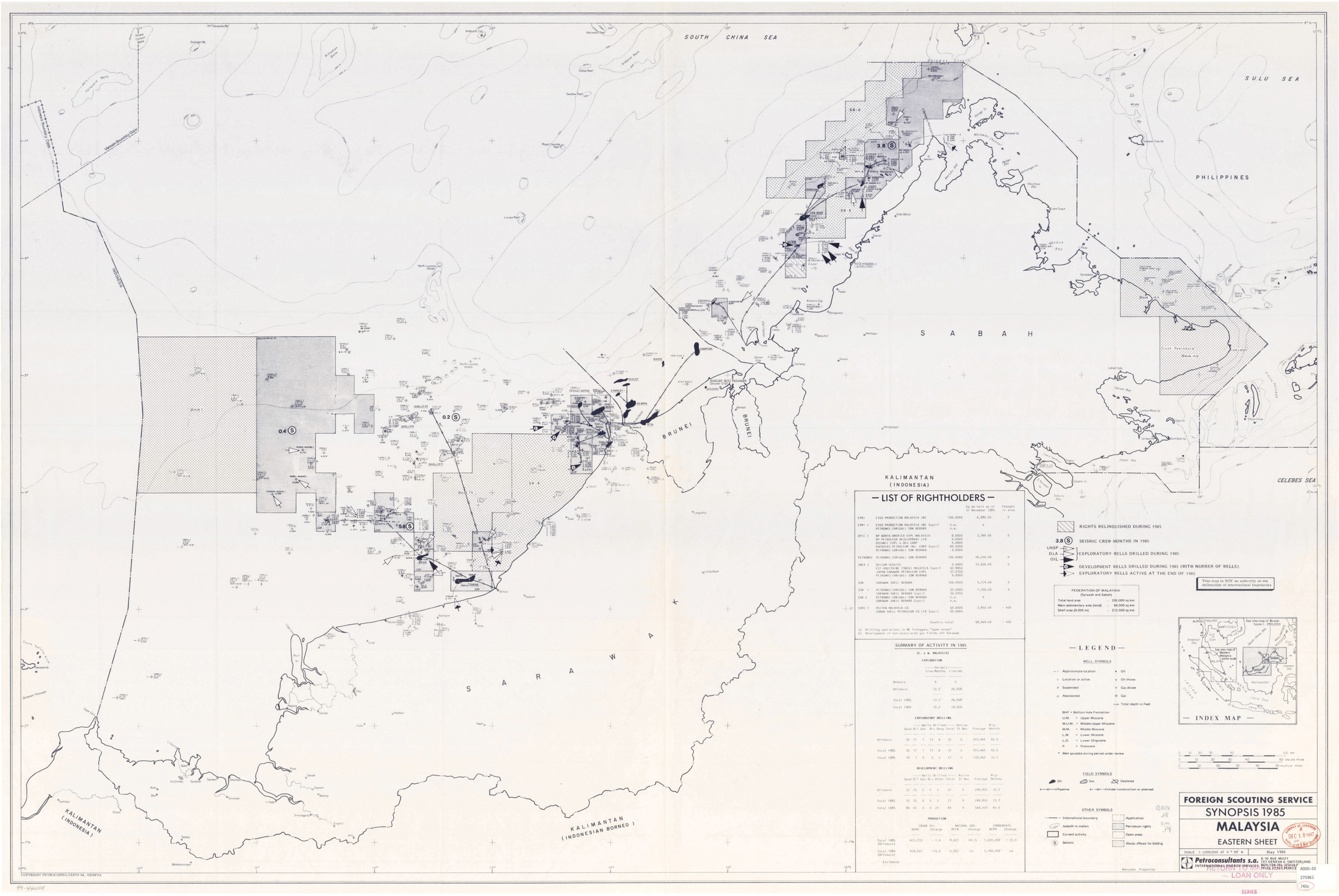
c. 1982, *Oil and Gas Fields in Malaysia*

c. 1982
Oil and Gas Fields in Malaysia

Subject
Malaysia



Enlargement. c. 1982, *Oil and Gas Fields in Malaysia*

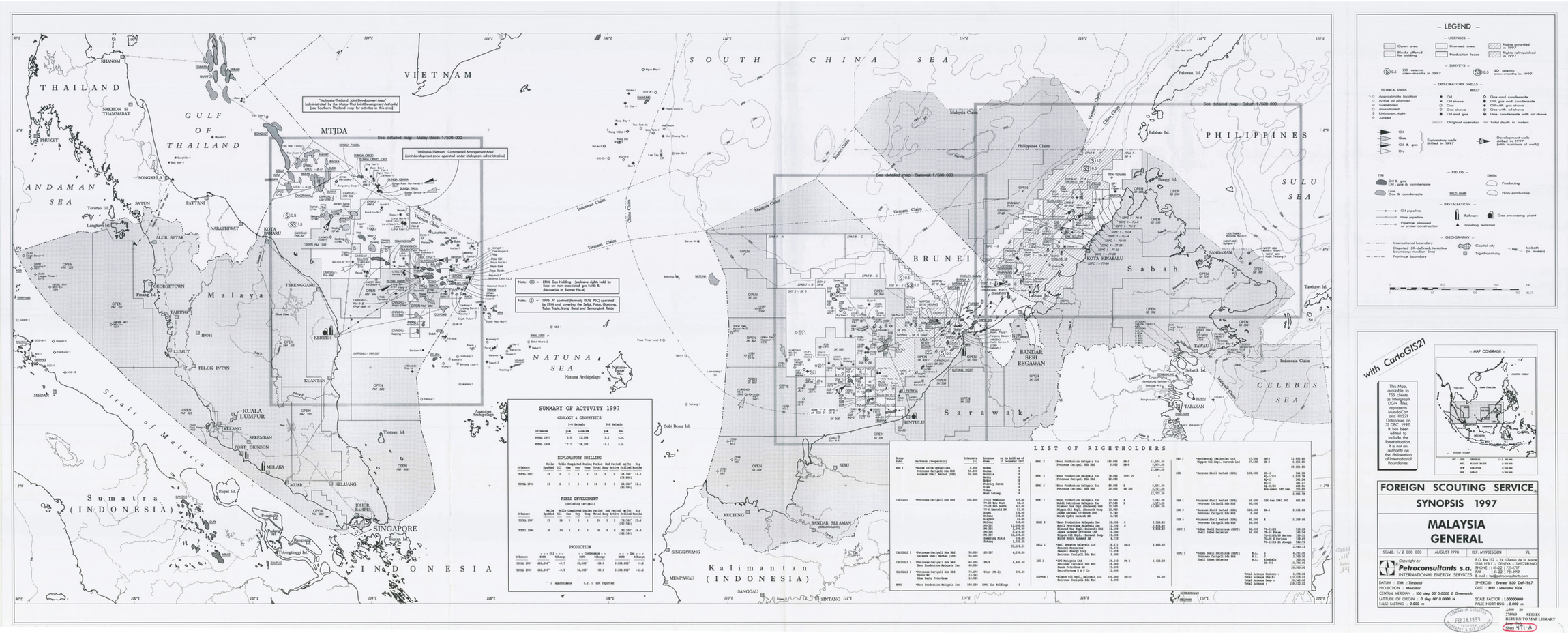


1986, *Malaysia: Eastern Sheet*

1986
Malaysia: Eastern Sheet

Subject
Malaysia

Author
Petroconsultants, S.A.

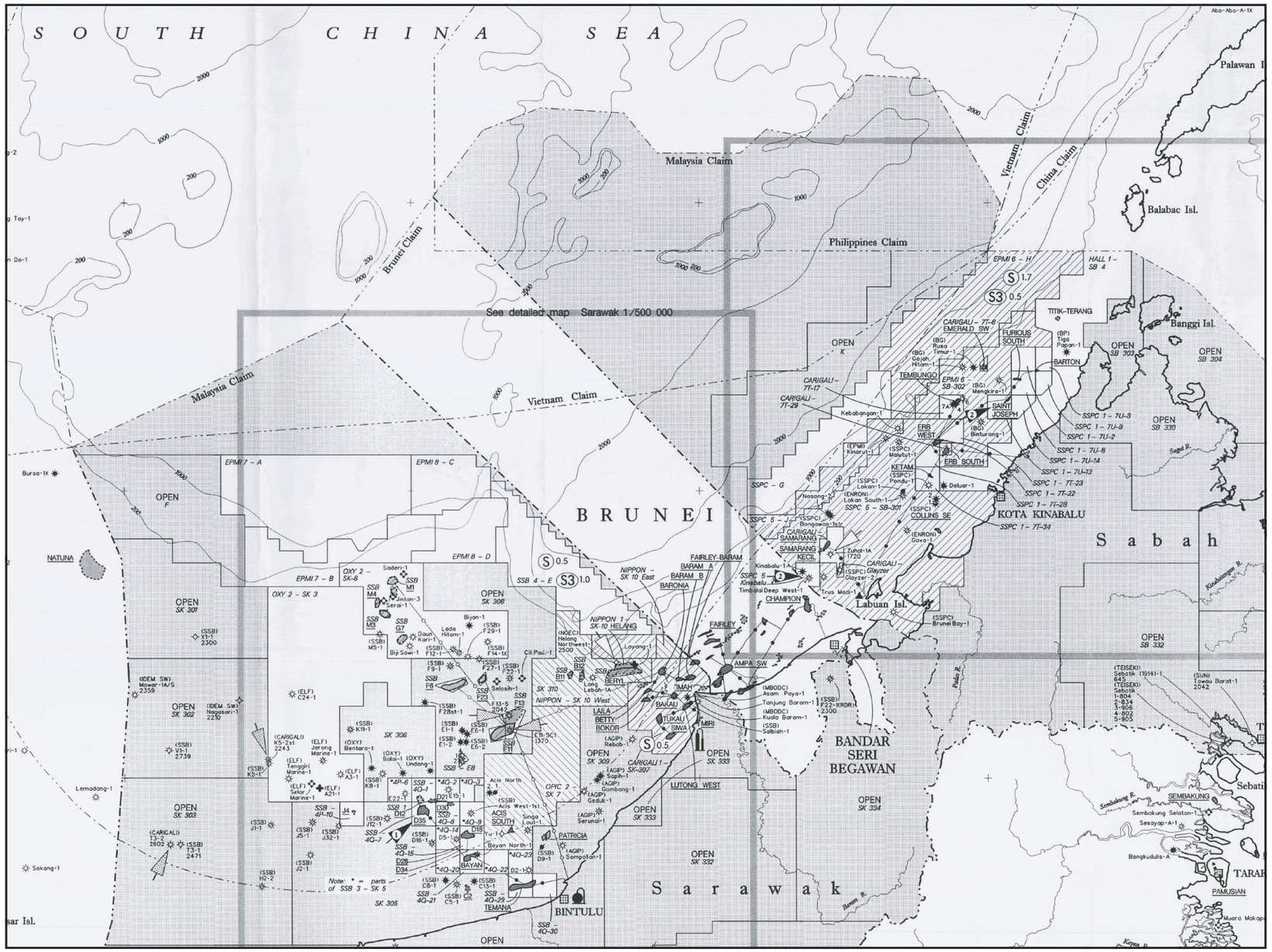


1998, *Malaysia: General*

1998
Malaysia: General

Subject
Malaysia

Author
Petroconsultants, S.A.



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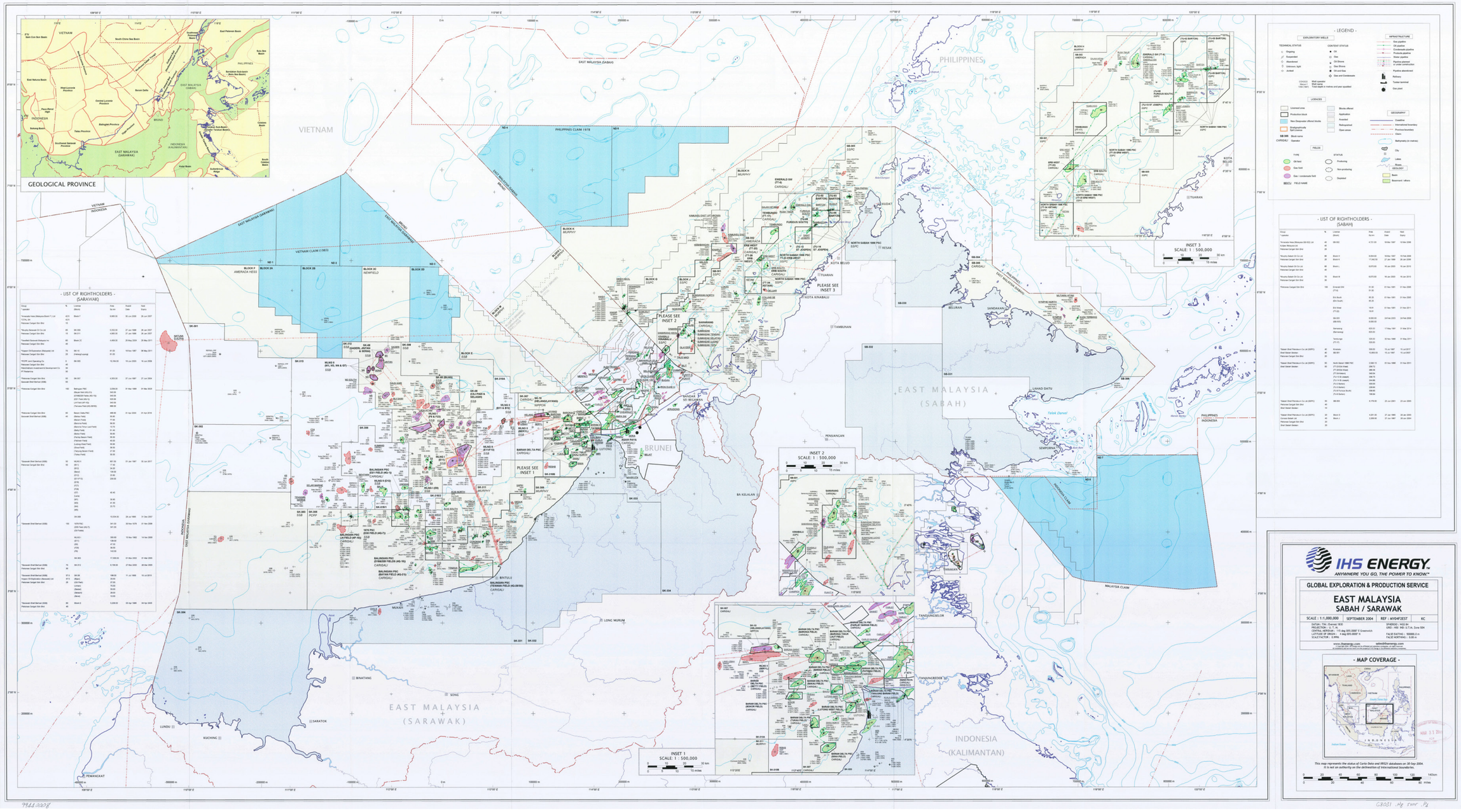

2004, *East Malaysia, Sabah / Sarawak*

2004
East Malaysia, Sabah / Sarawak

Subject
Malaysia

Author
IHS Energy

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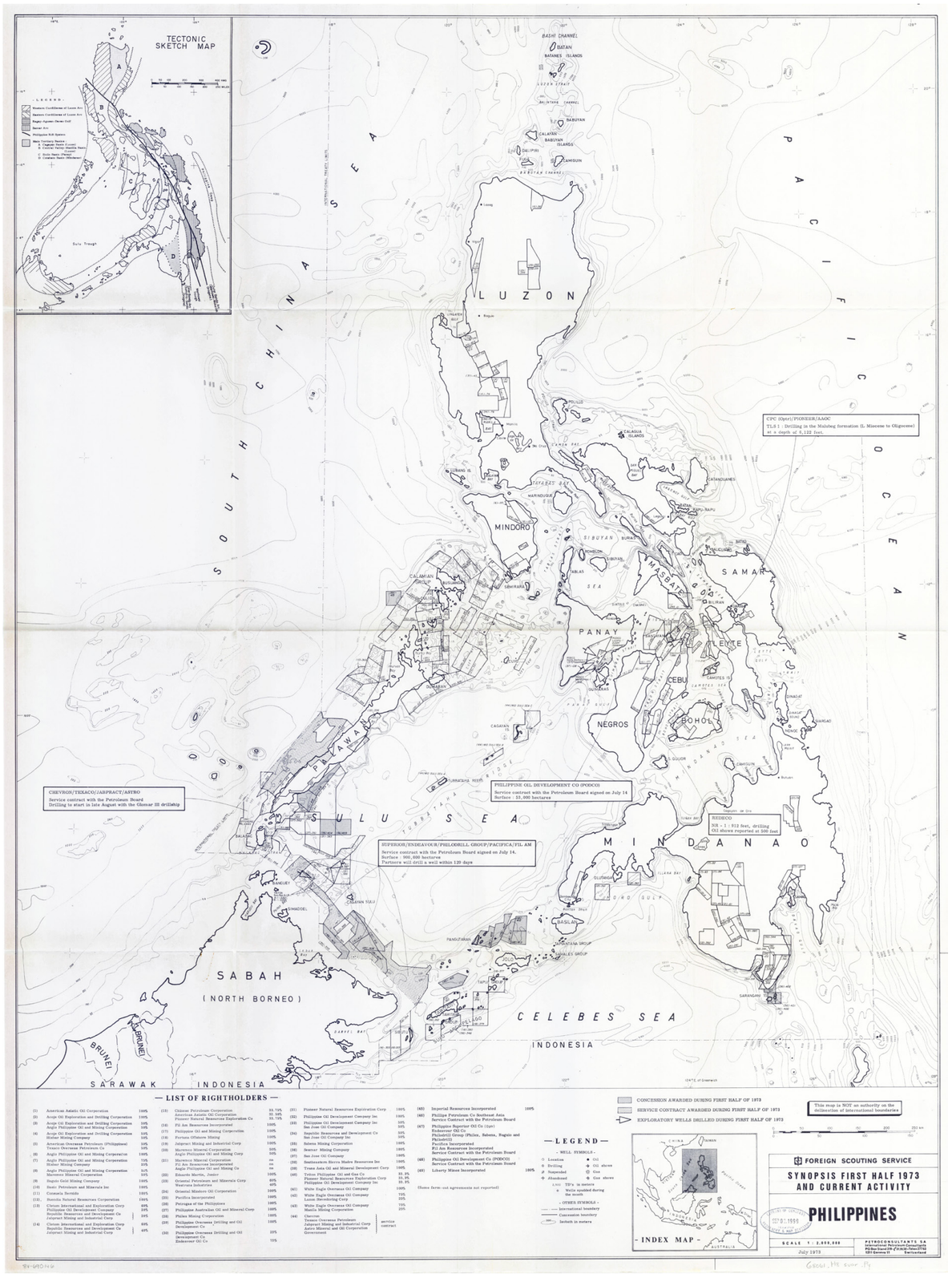
Subject Country

Philippines



1973, *Philippines*

1973
Philippines

Subject
Philippines

Author
Petroconsultants, S.A.

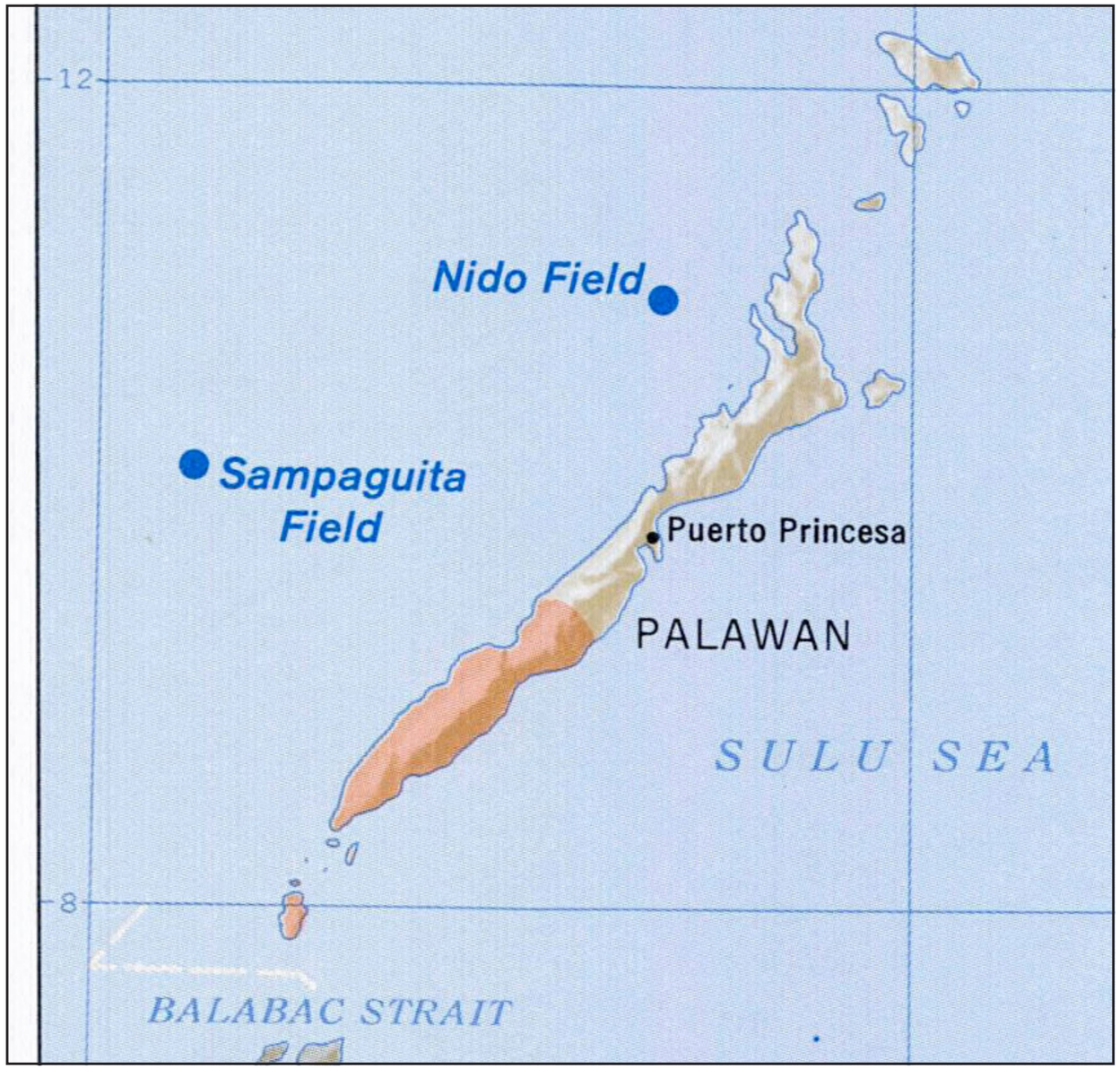
Enlargement. 1973, *Philippines*

1978, *Philippines*

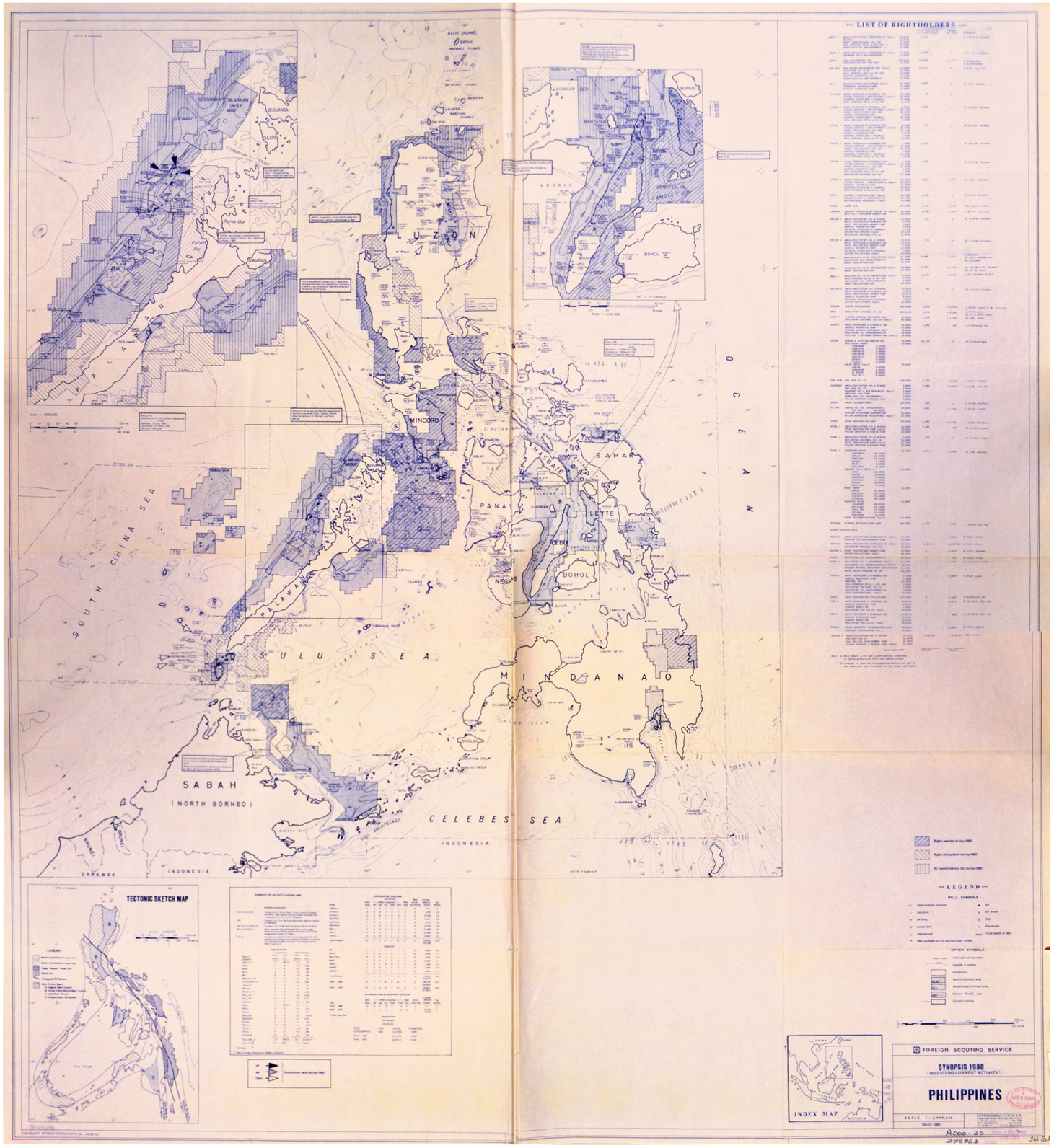
1978
Philippines

Subject
Philippines

Author
U.S. Central Intelligence Agency



Enlargement. 1978, *Philippines*

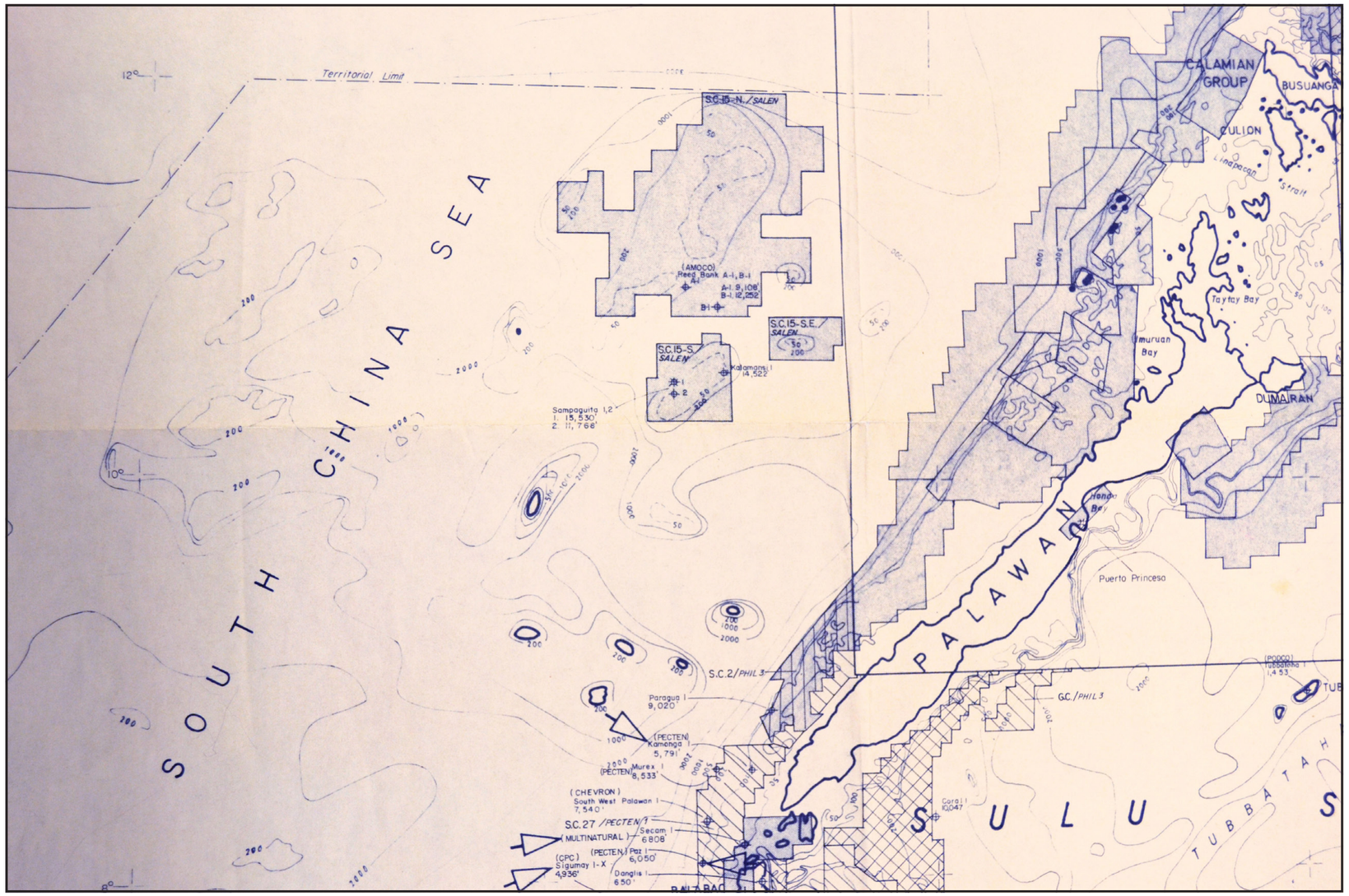


1981, *Philippines*

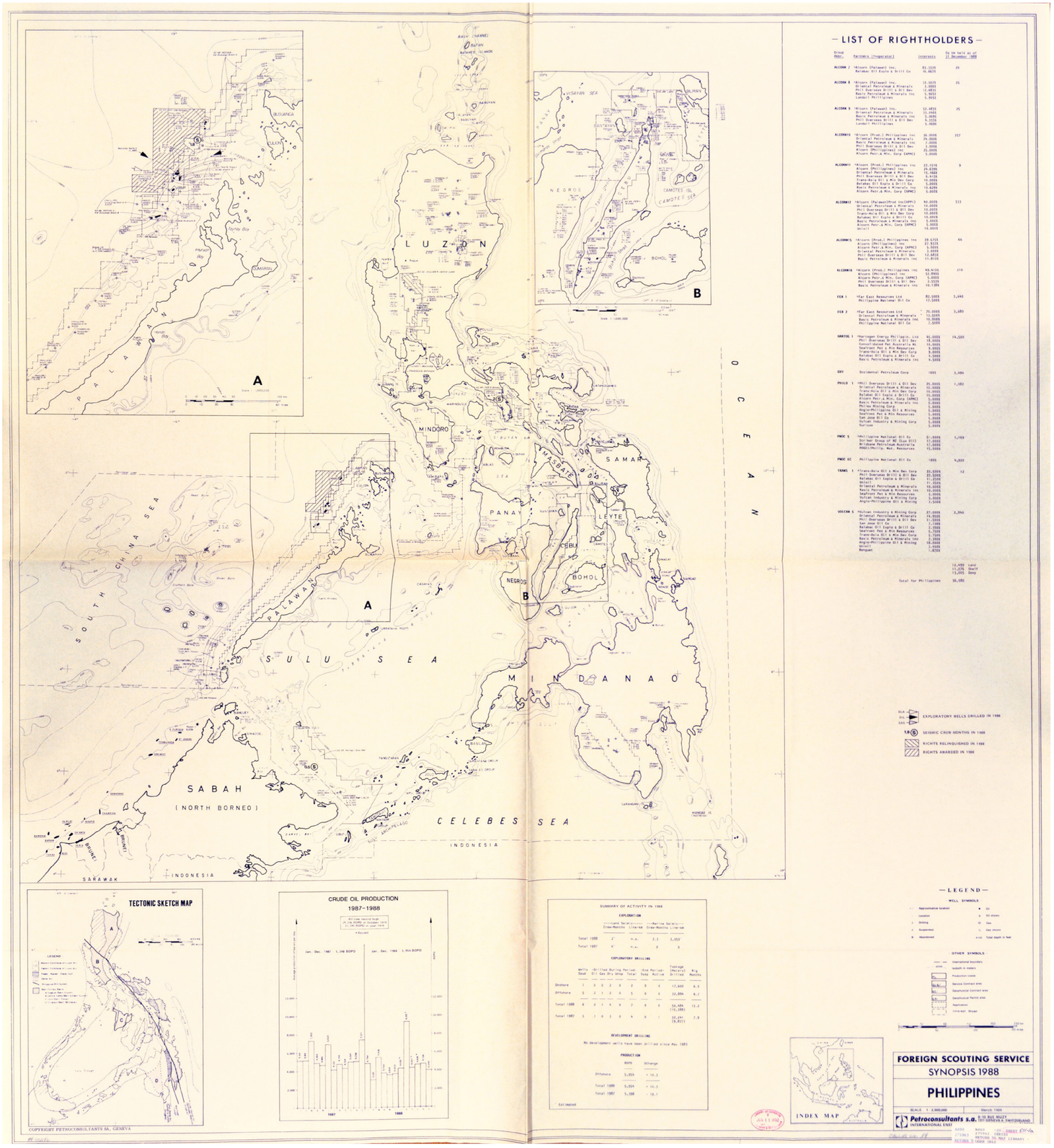
1981
Philippines

Subject
Philippines

Author
Petroconsultants, S.A.



Enlargement. 1981, *Philippines*

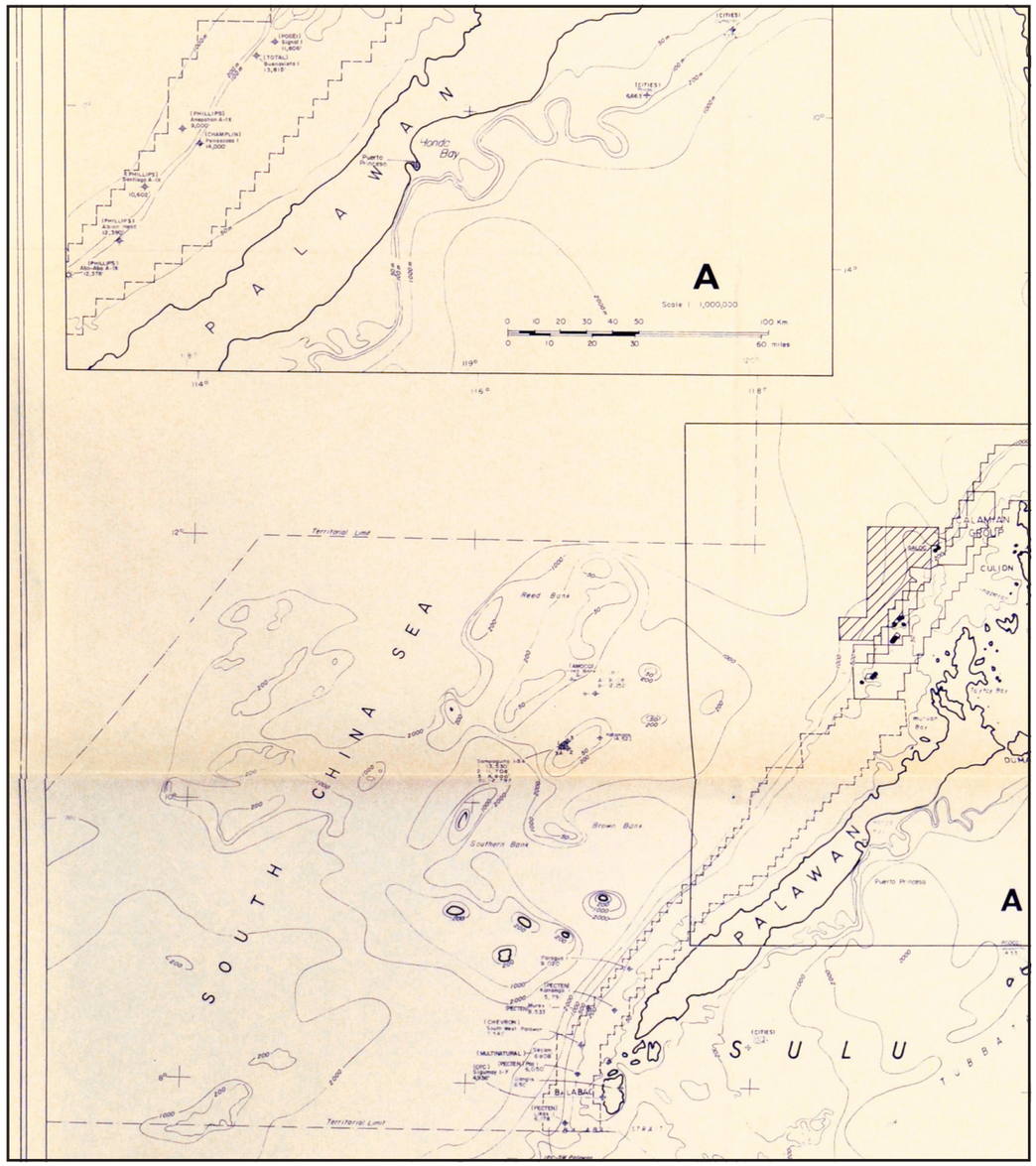


1989, *Philippines*

1989
Philippines

Subject
Philippines

Author
Petroconsultants, S.A.



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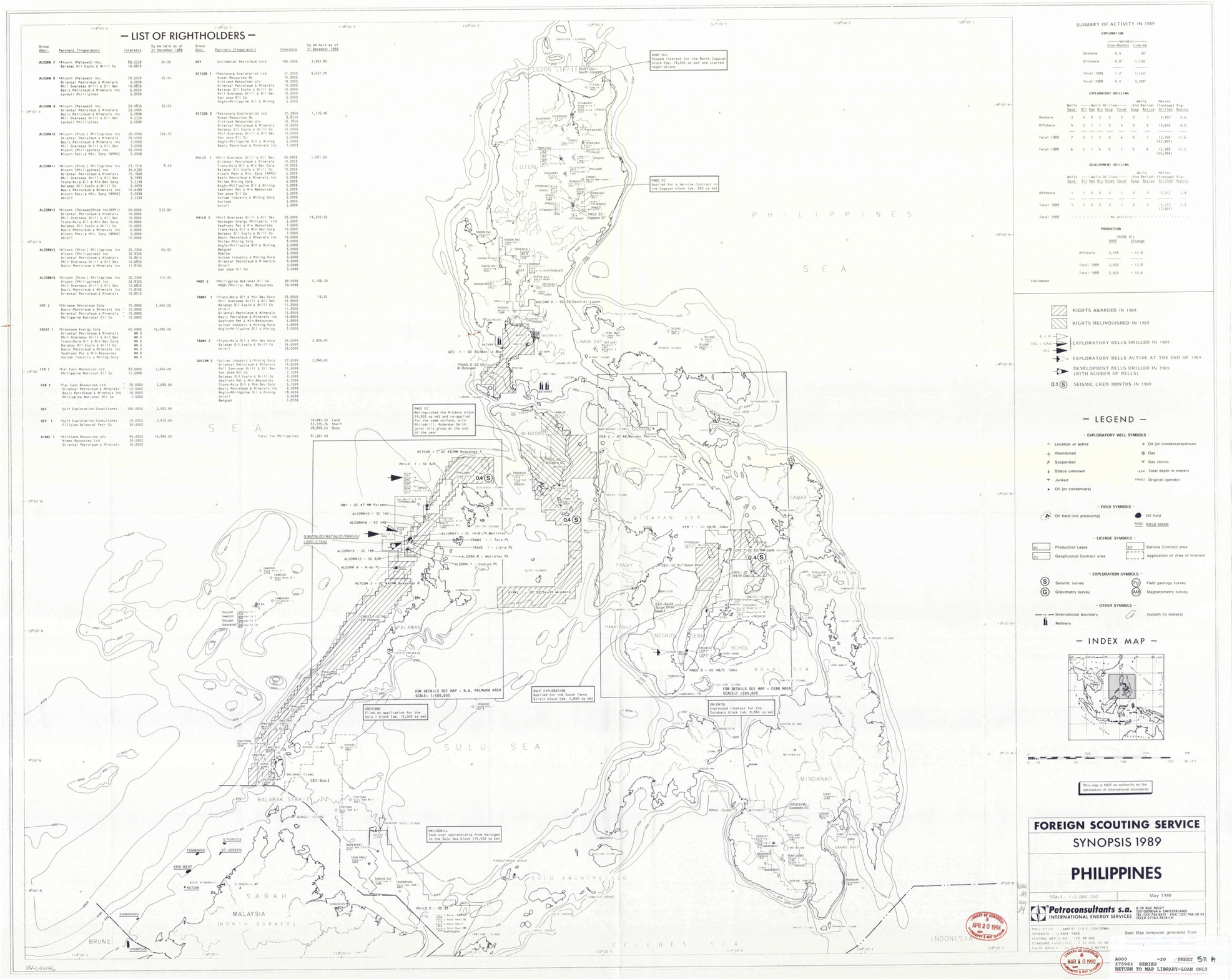

1990, *Philippines*

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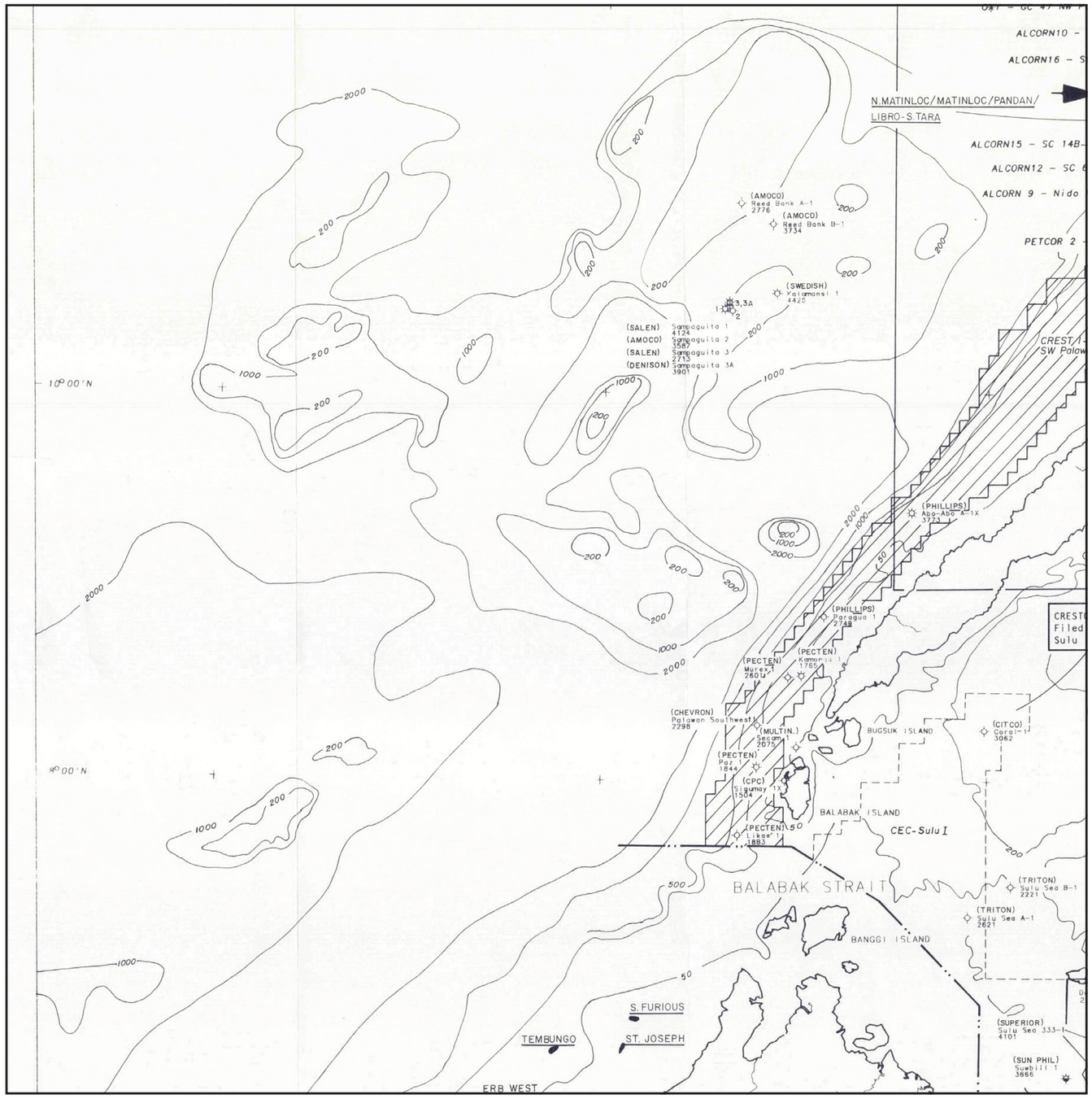
Subject
Philippines

Author
Petroconsultants, S.A.



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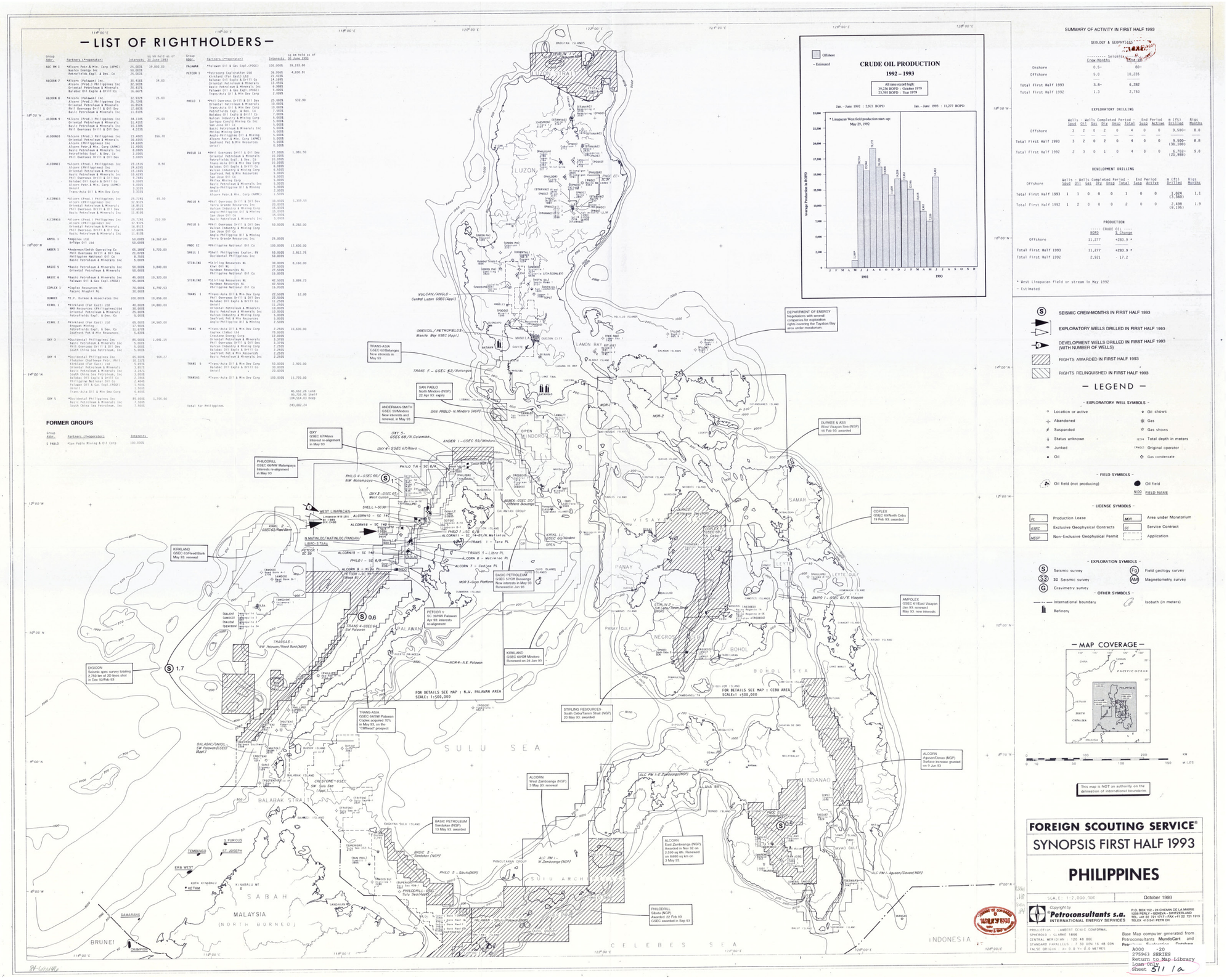

1993, *Philippines*

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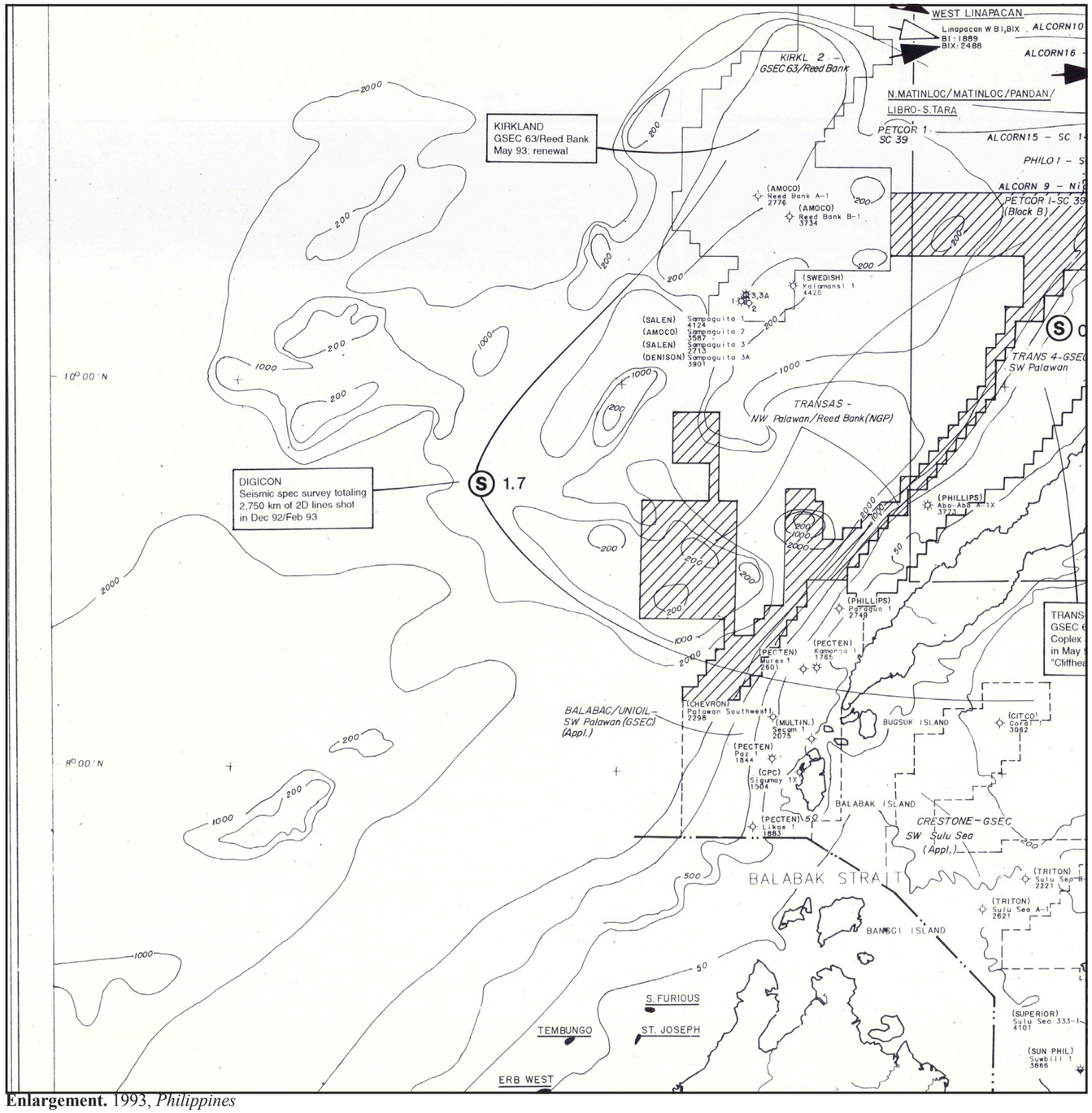
Author
Petroconsultants, S.A.



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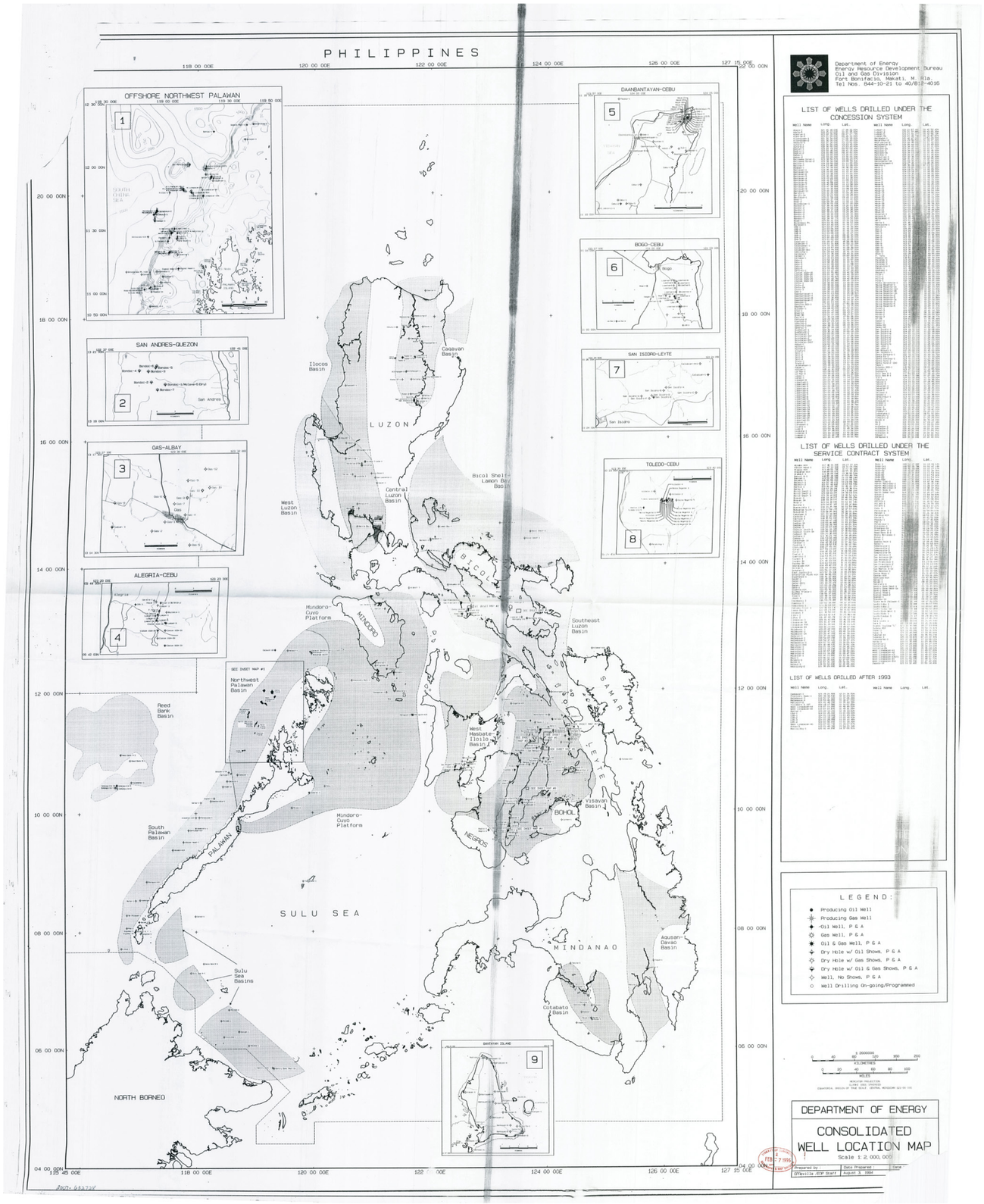
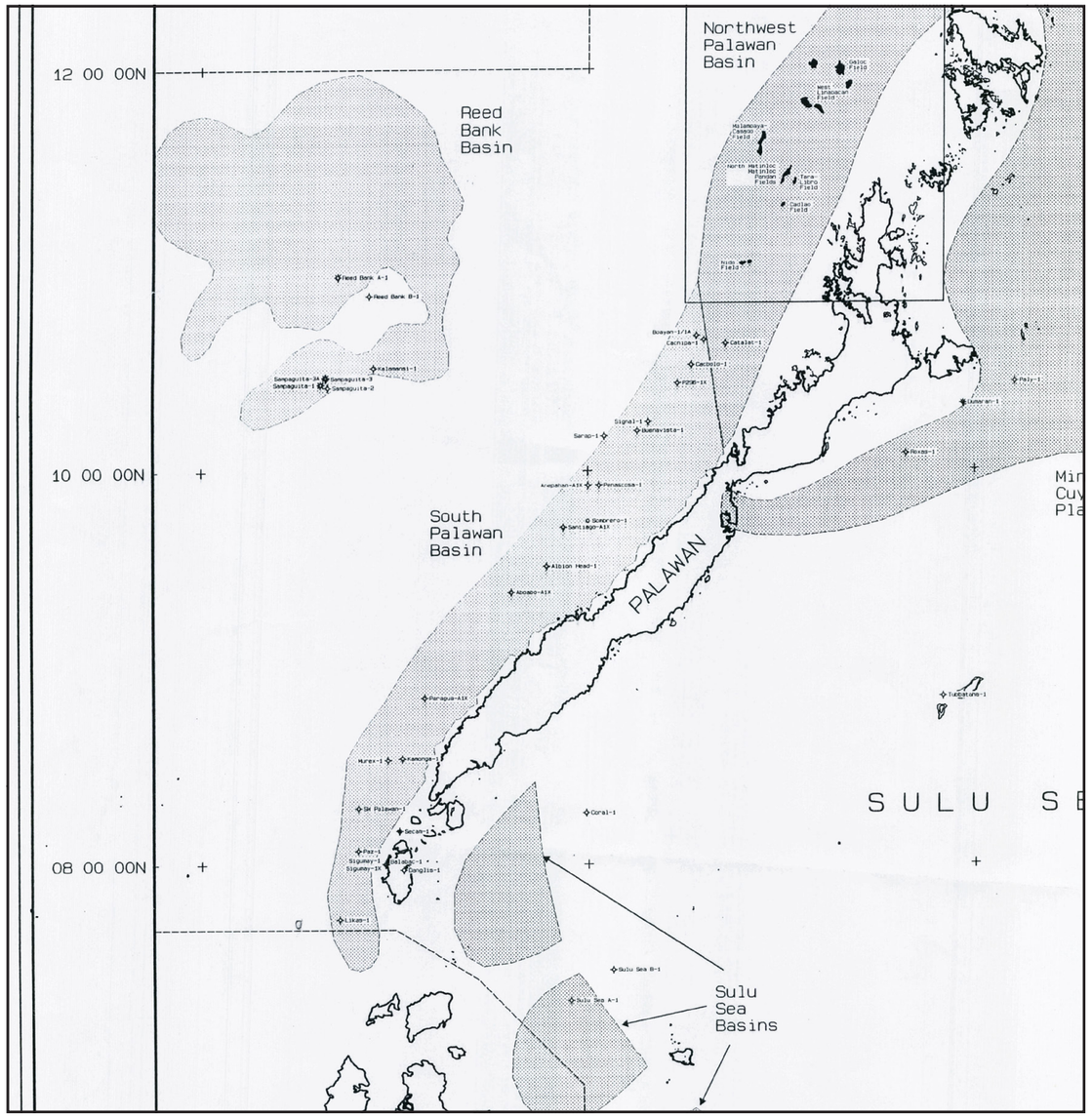


1994, *Consolidated Well Location Map*

1994
Consolidated Well Location Map

Subject
Philippines

Author
Philippine Deparment of Energy



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1996, *Philippines*

1996
Philippines

Subject
Philippines

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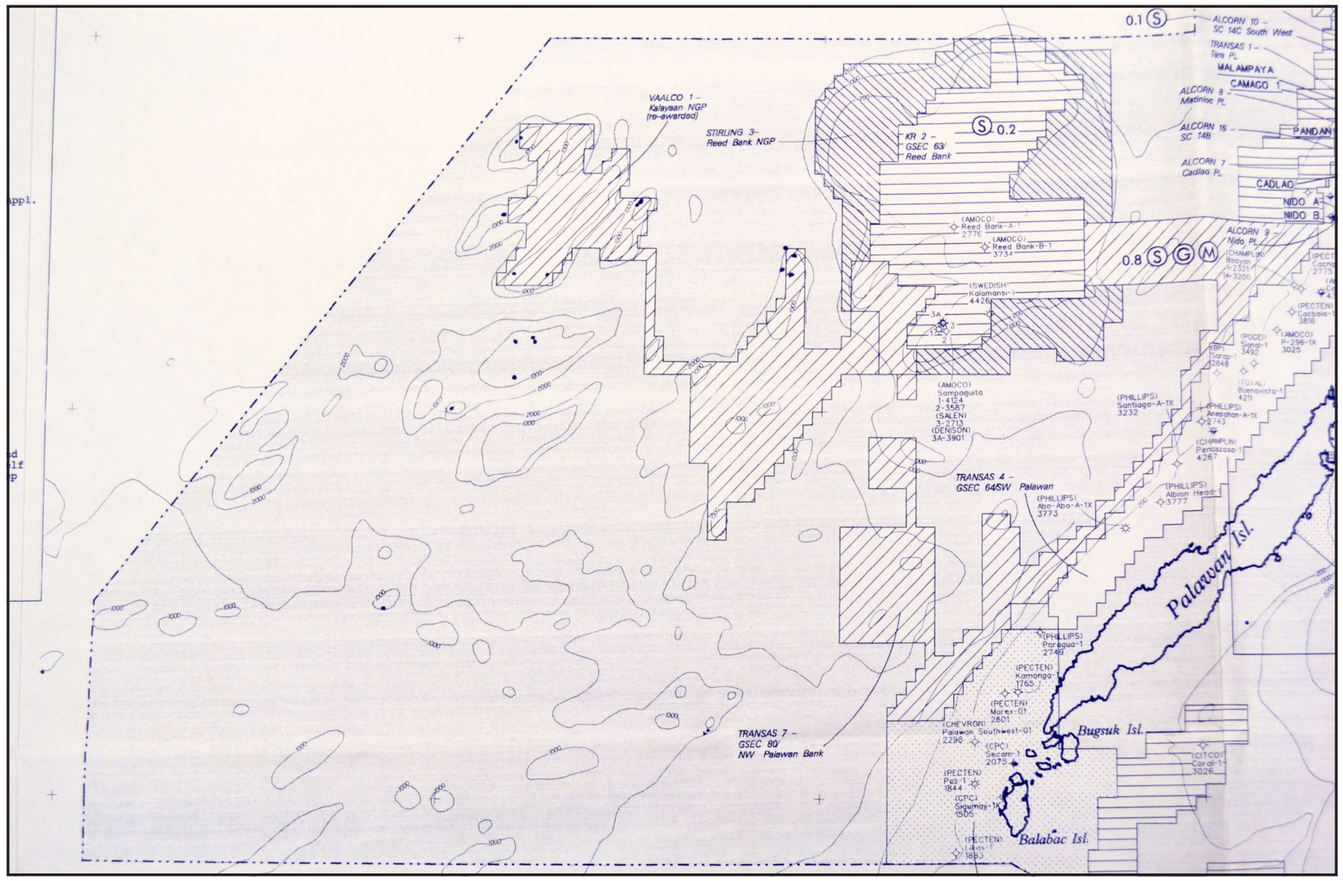
Petroconsultants, S.A.



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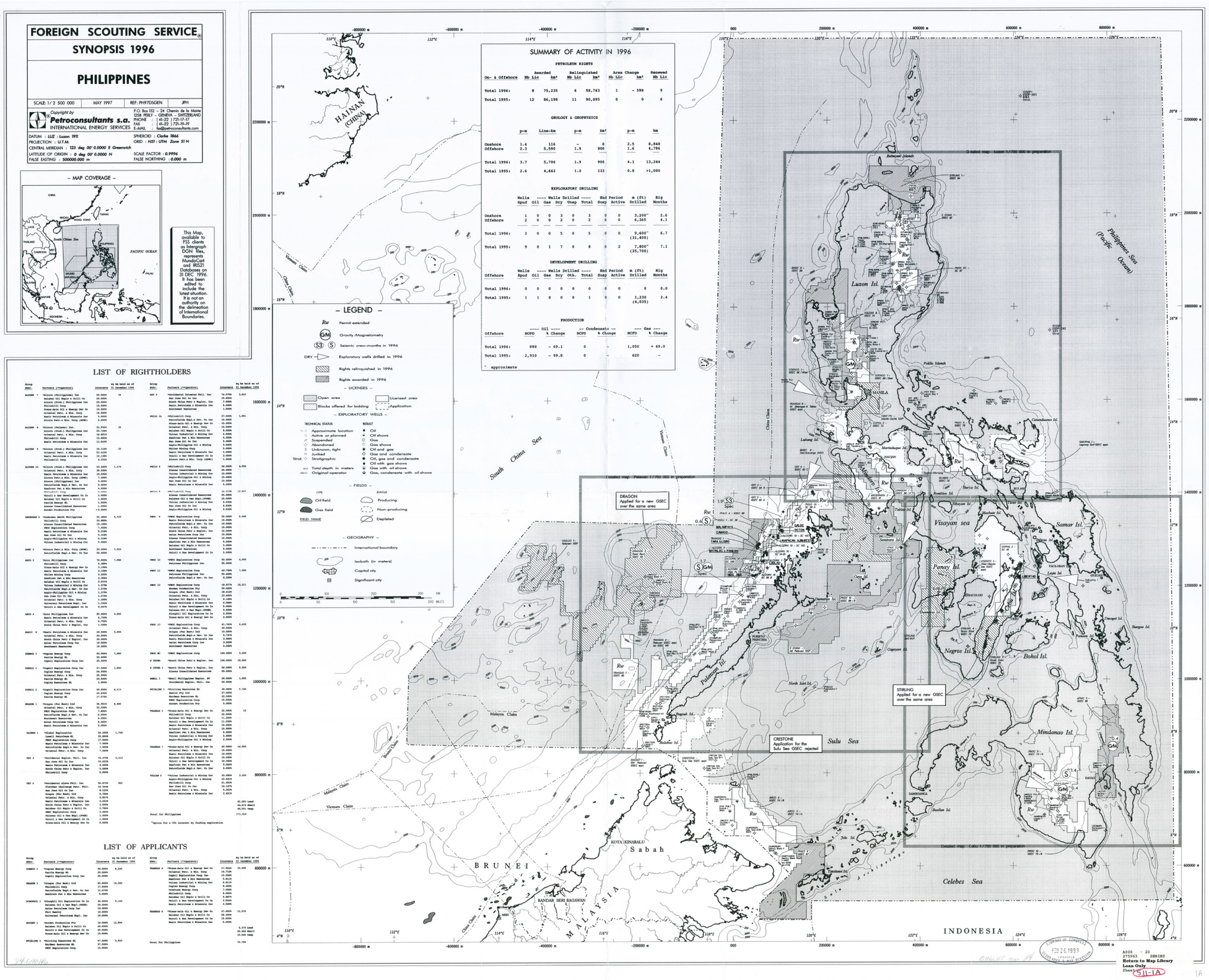

1997, *Philippines*

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Subject
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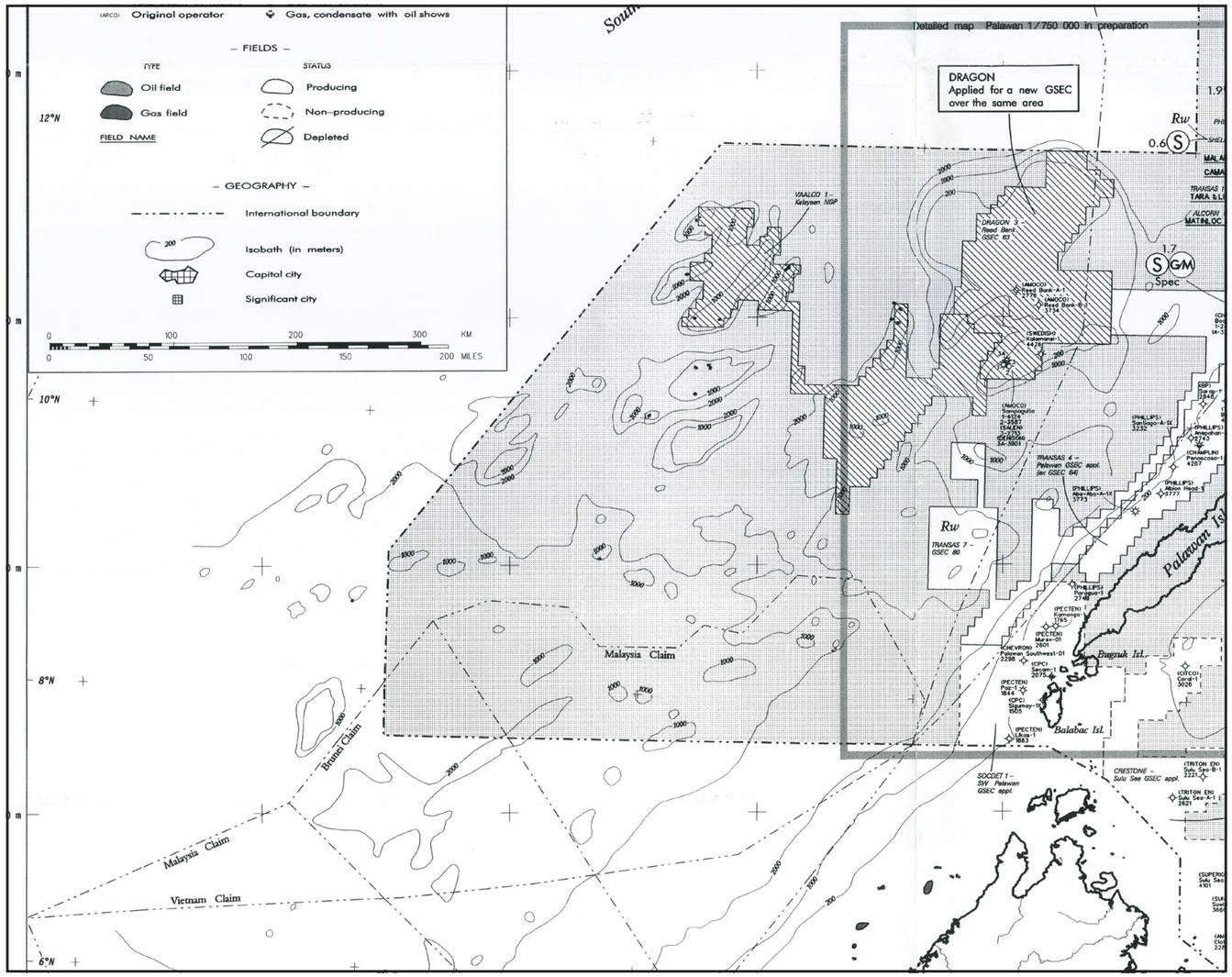
Author
Petroconsultants, S.A.



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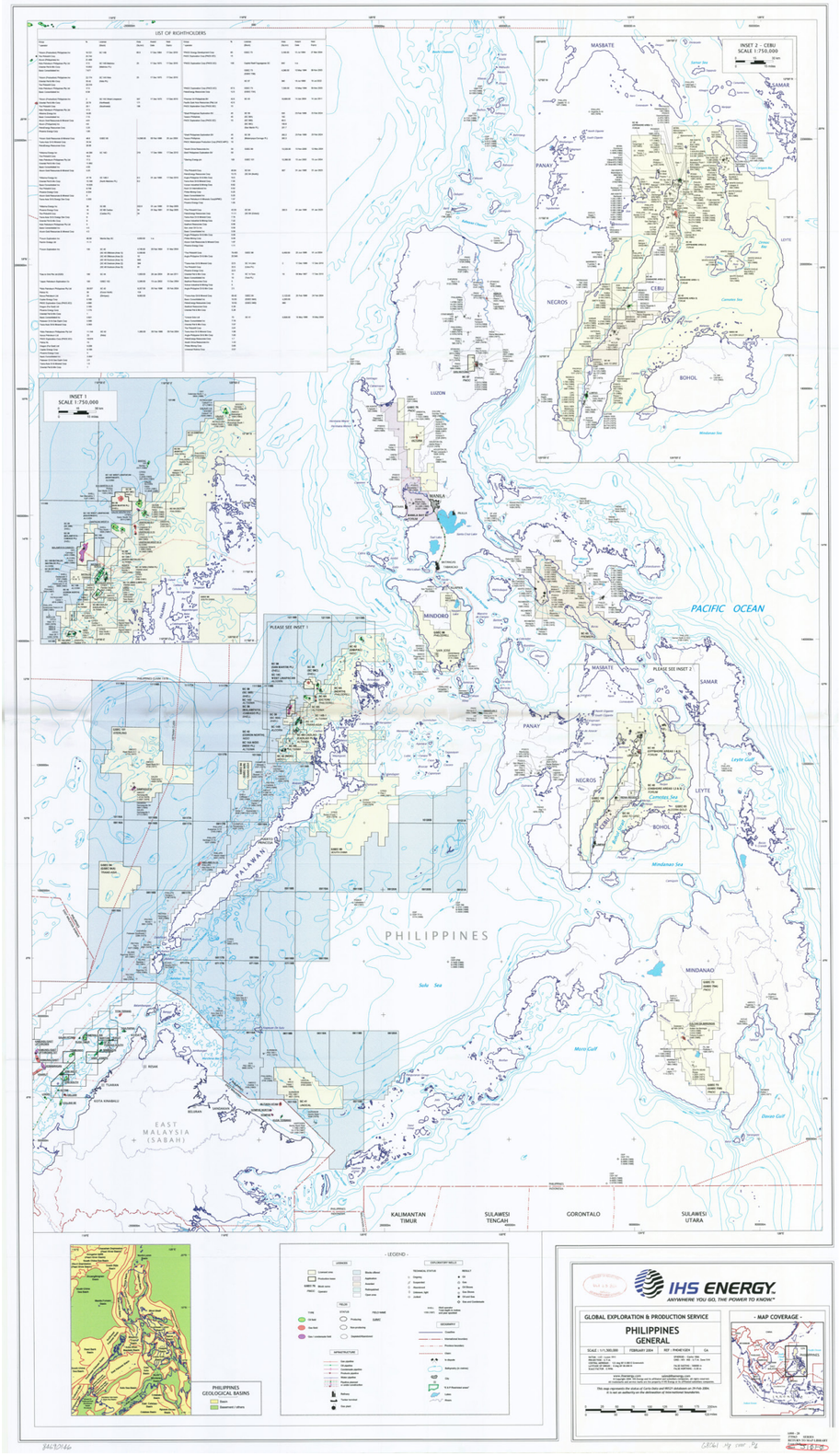
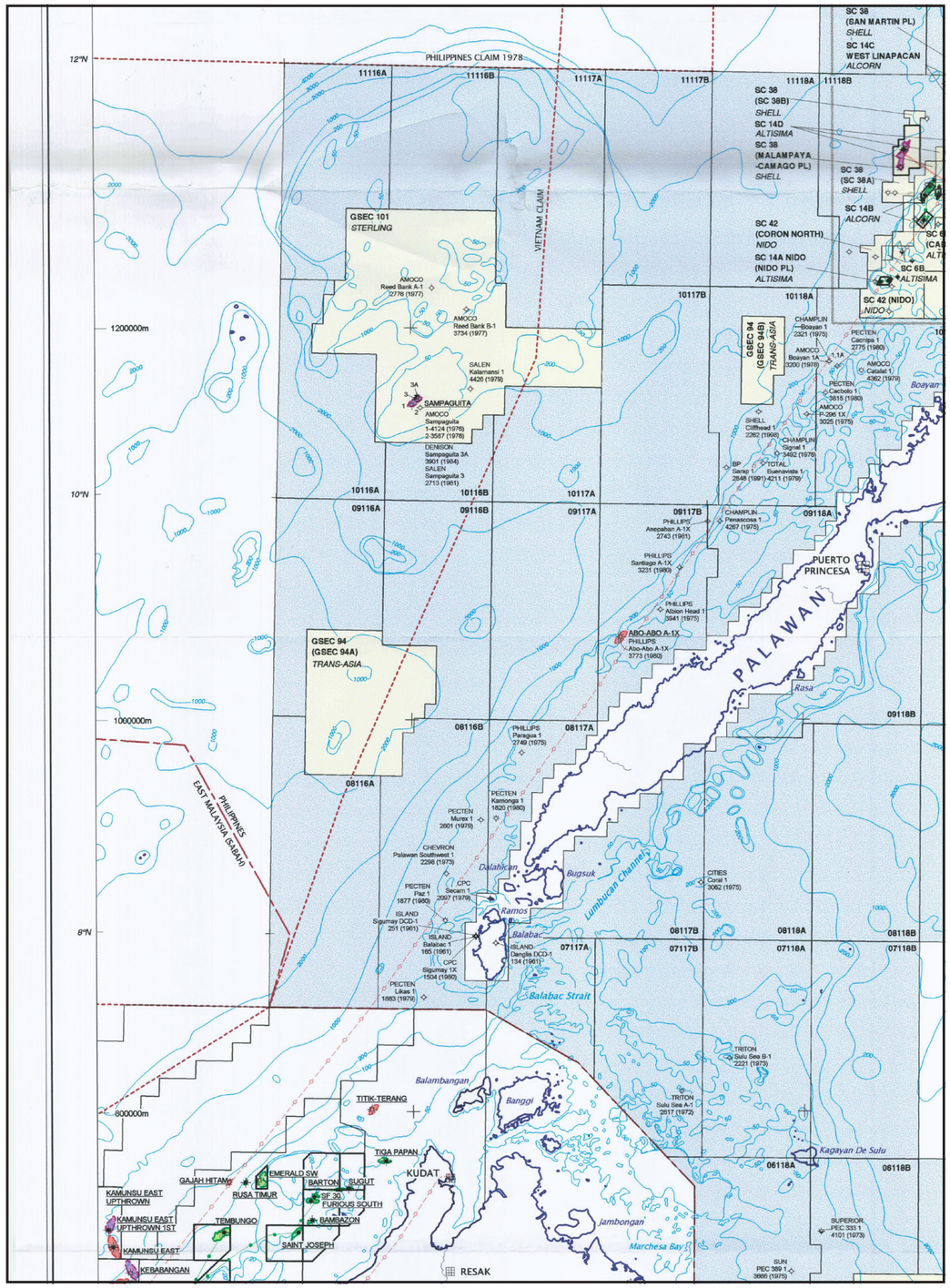


2004, *Philippines: General*

2004
Philippines: General

Subject
Philippines

Author
IHS Energy



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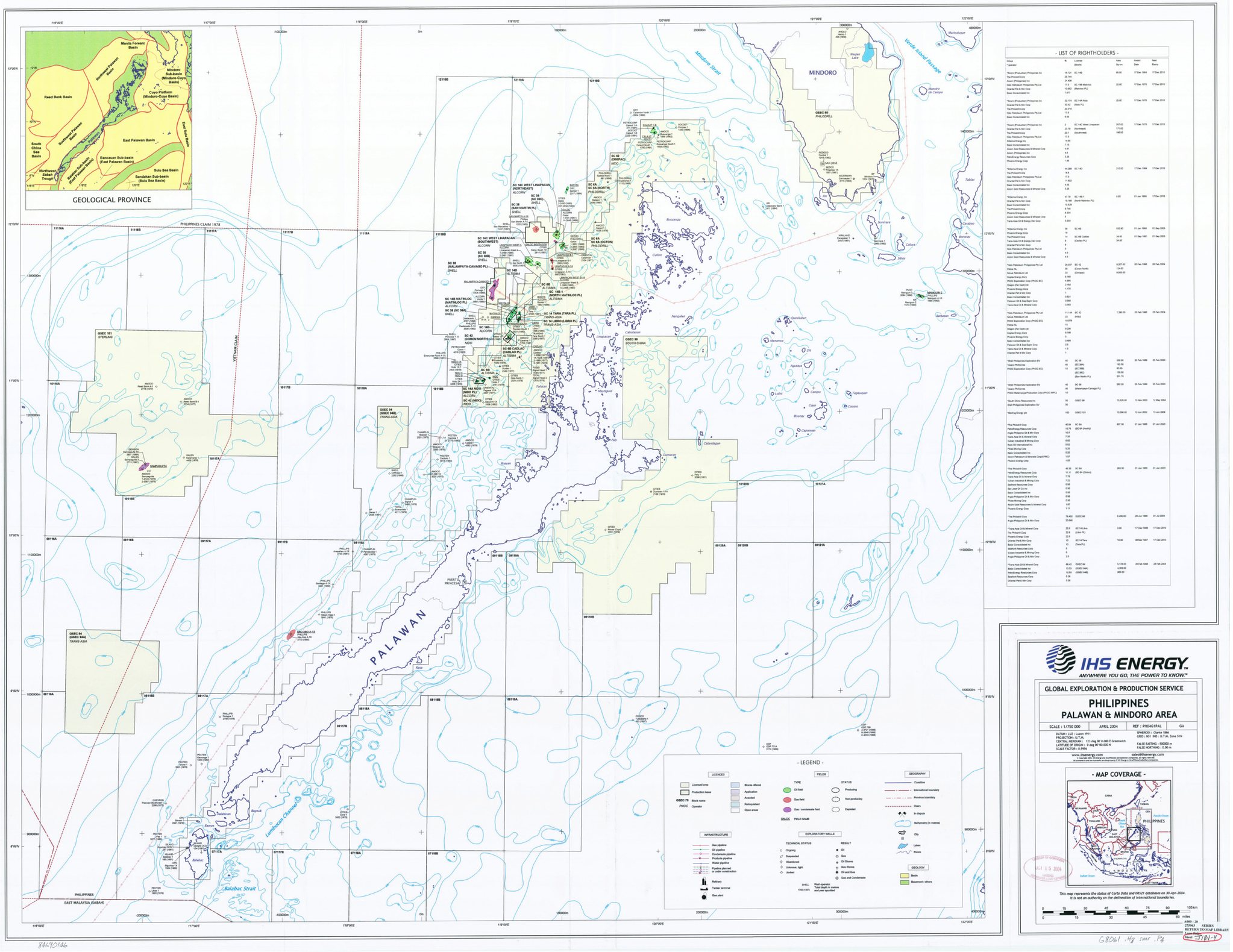
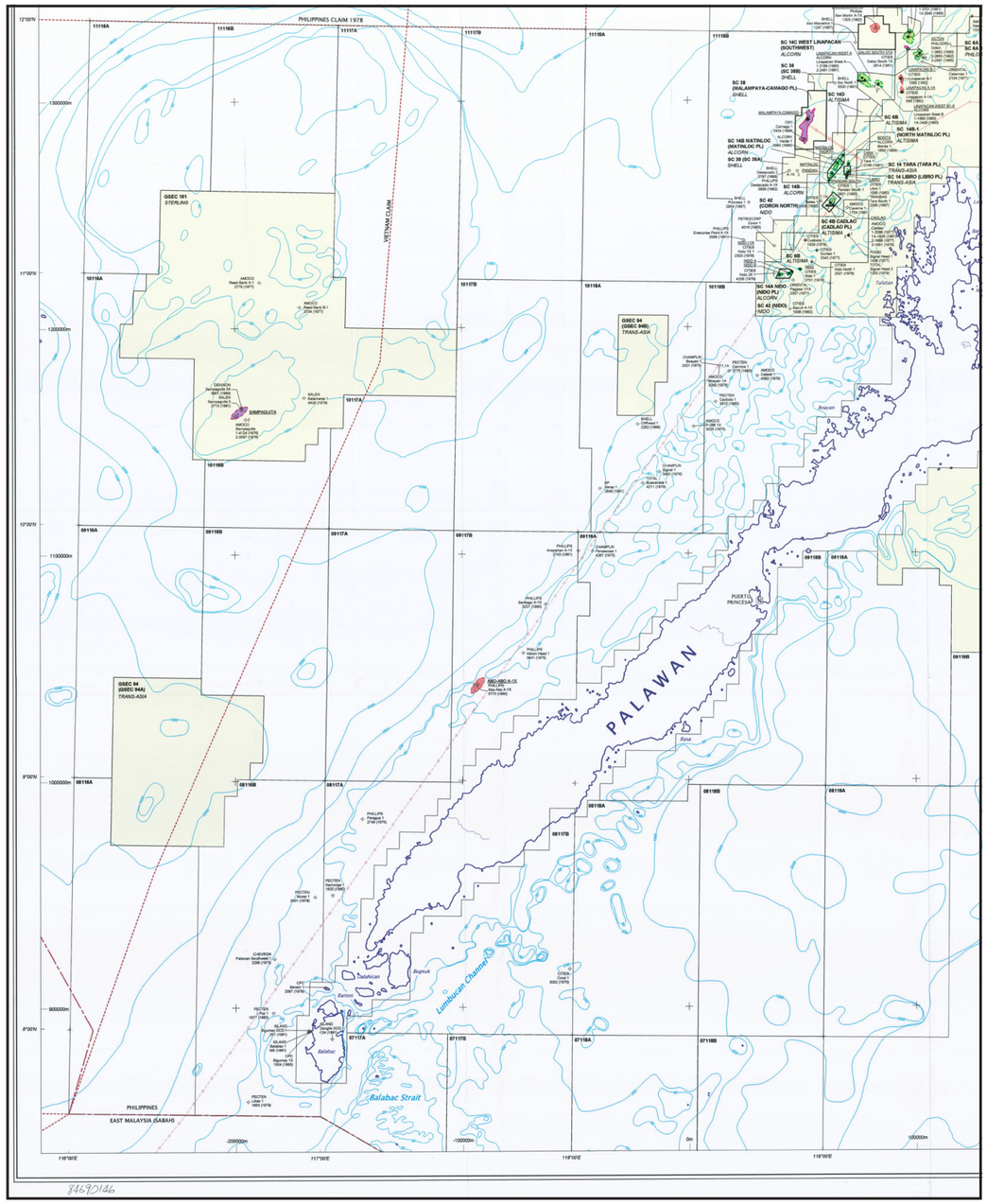


2004, *Philippines: Palawan & Mindoro Area*

2004
Philippines: Palawan & Mindoro Area

Subject
Philippines

Author
IHS Energy



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Subject Country

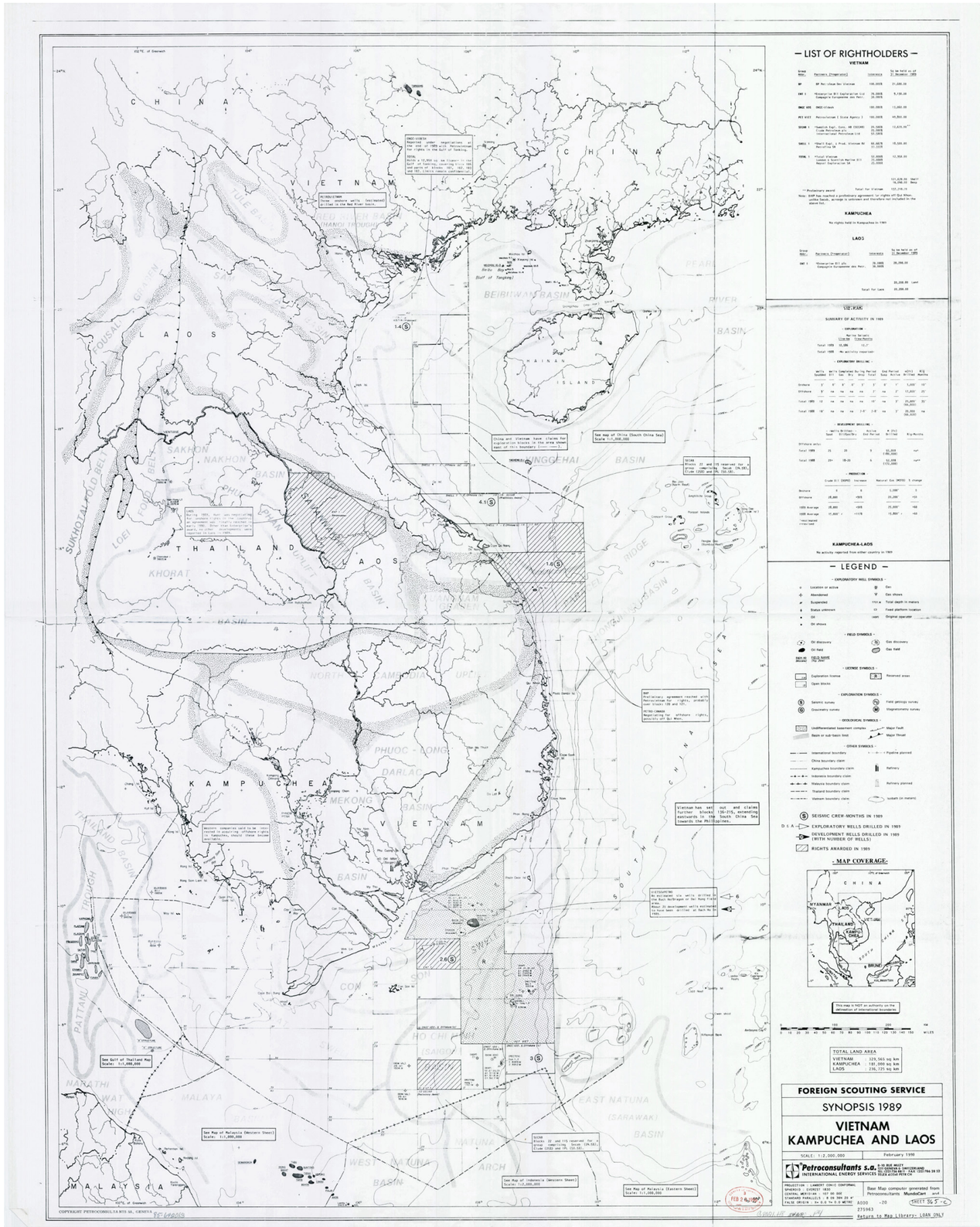
Vietnam

1982, *Vietnam*

1982
Vietnam

Subject
Vietnam

Author
Petroconsultants, S.A.

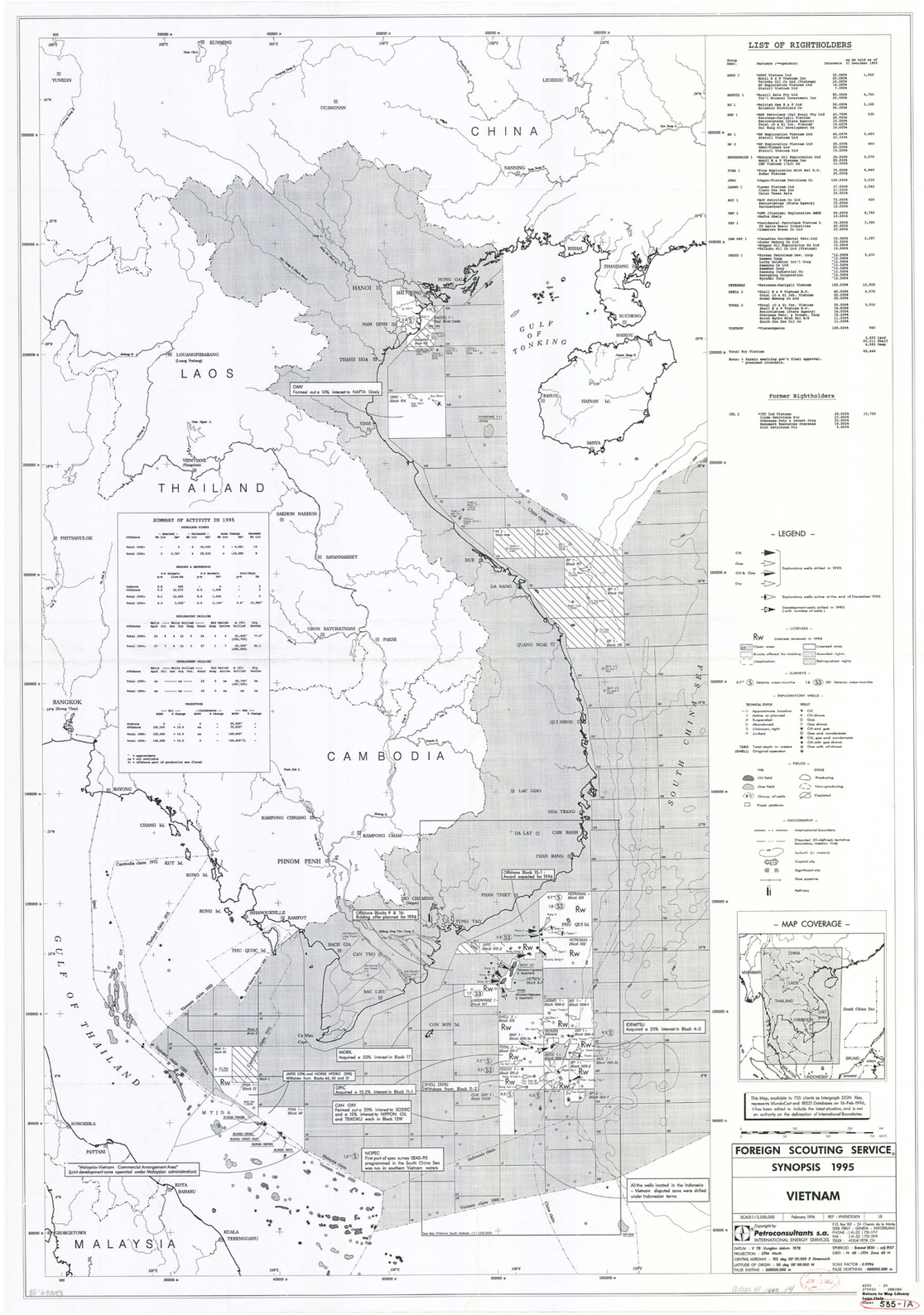


1990, *Vietnam, Kampuchea and Laos*

1990
Vietnam, Kampuchea and Laos

Subject
Vietnam

Author
Petroconsultants, S.A.



1996, *Vietnam*

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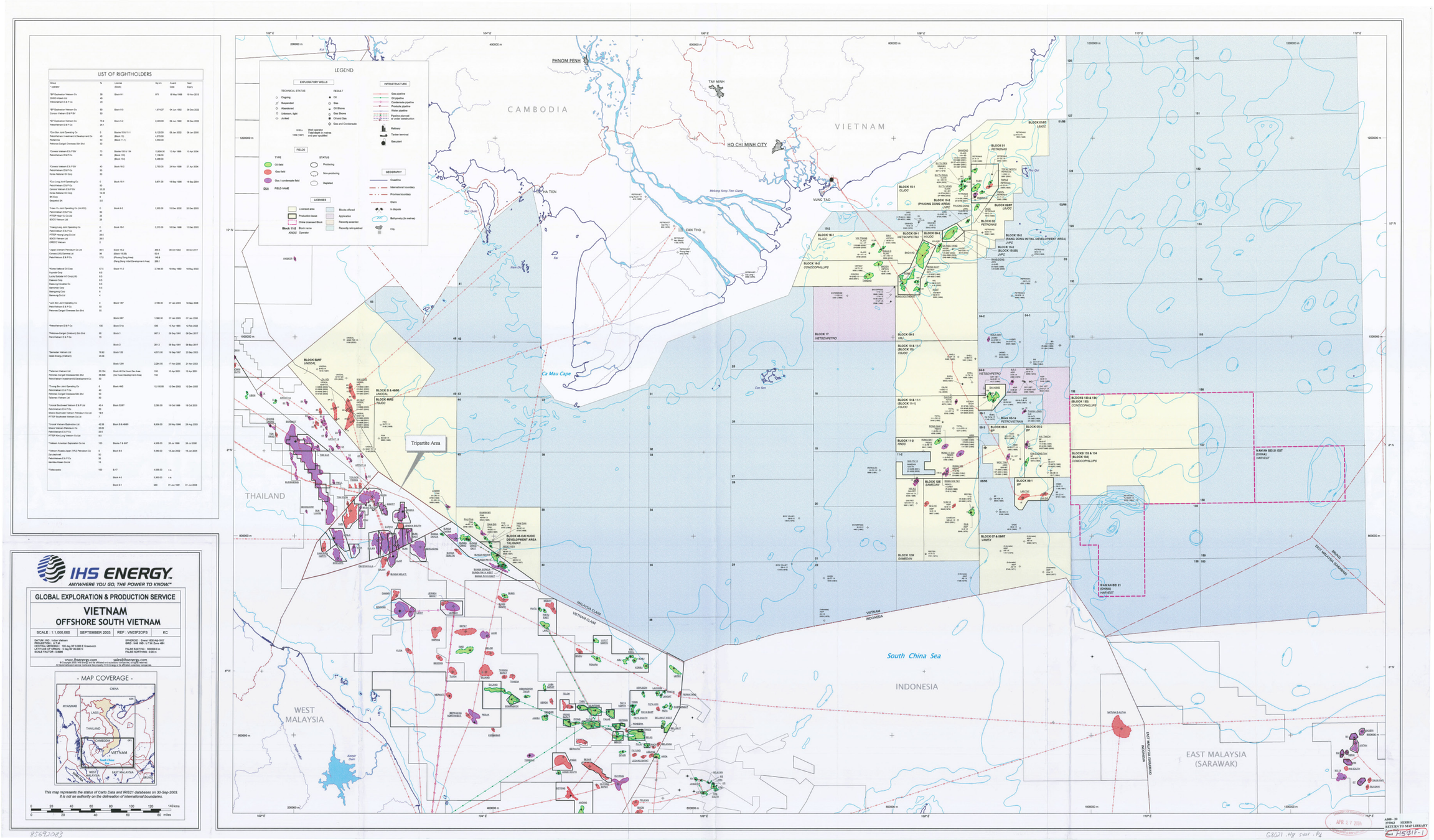
Vietnam

Subject
Vietnam

Author
Petroconsultants, S.A.



2003, *Vietnam: Offshore South Vietnam*

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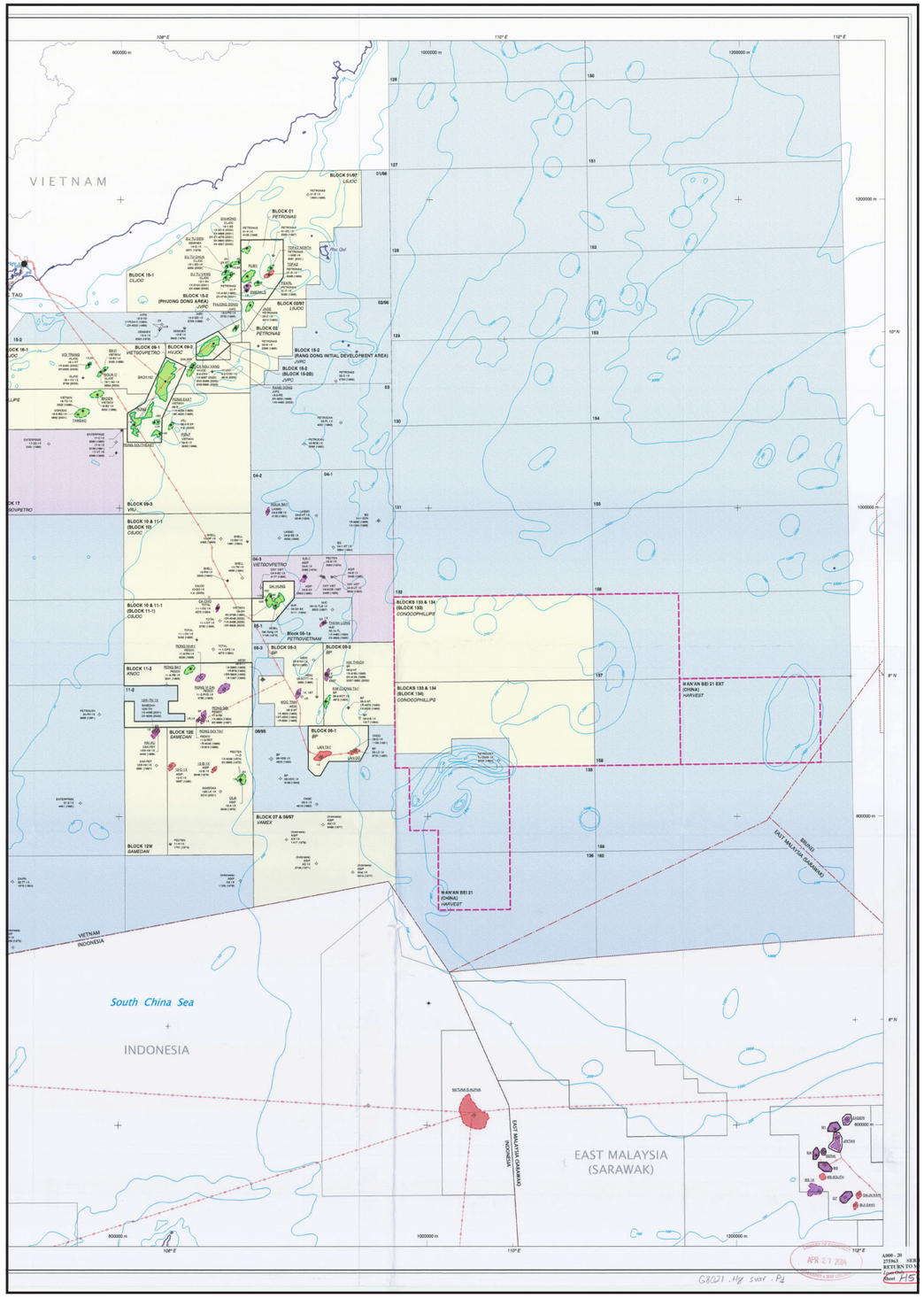
Vietnam: Offshore South Vietnam

Subject
Vietnam

Author
IHS Energy



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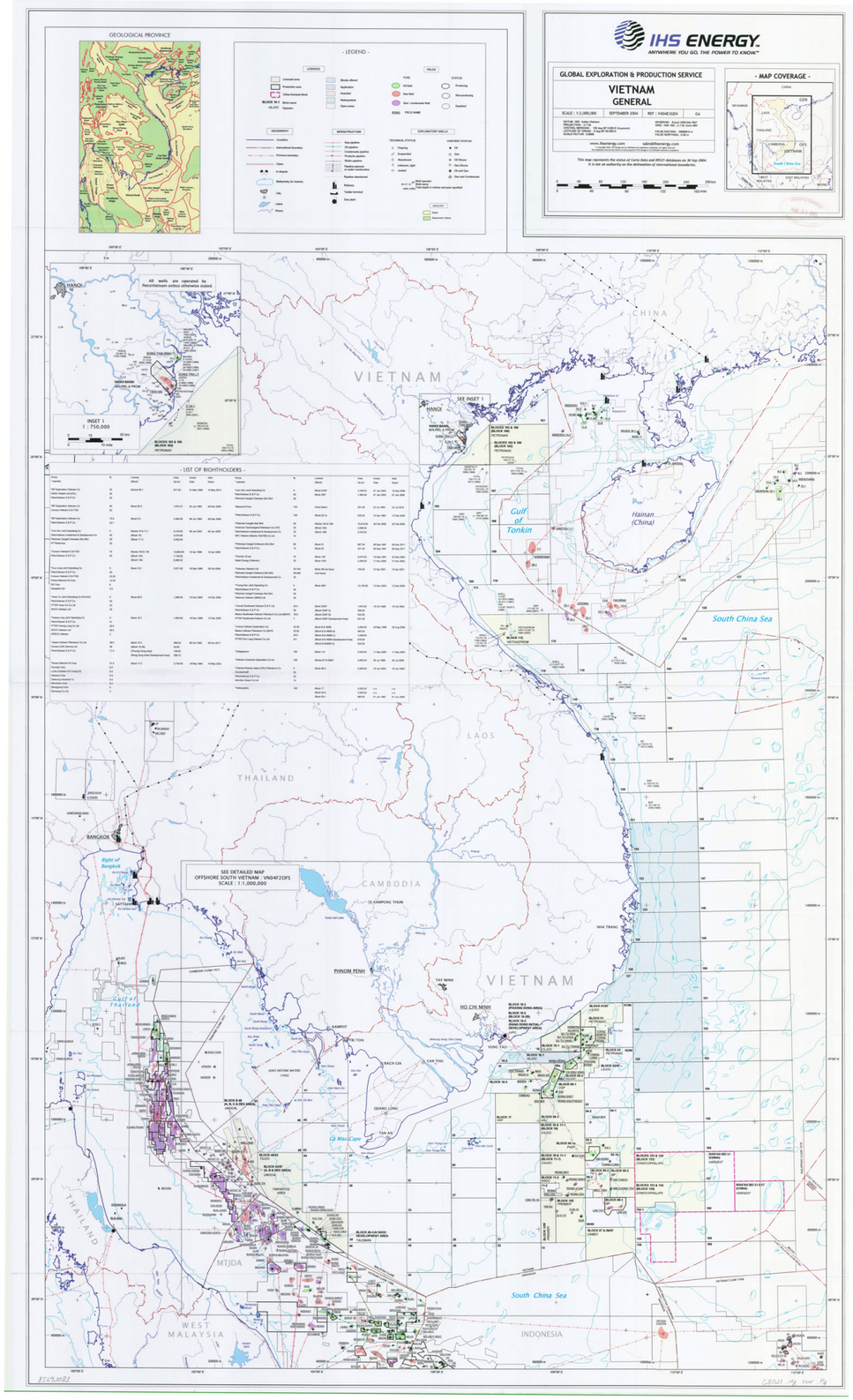

2004, *Vietnam: General*

2004
Vietnam: General

Subject
Vietnam

Author
IHS Energy

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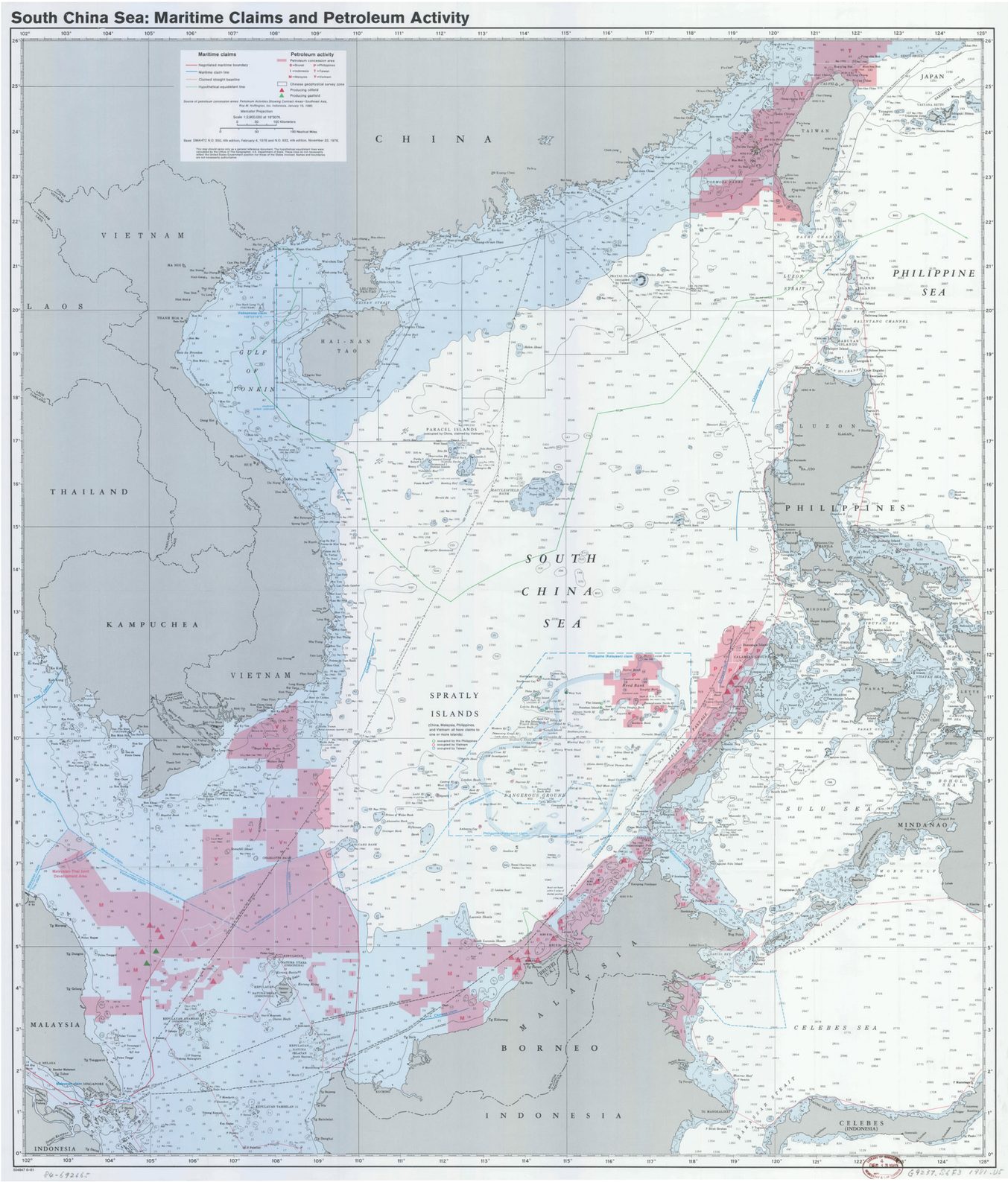
Other

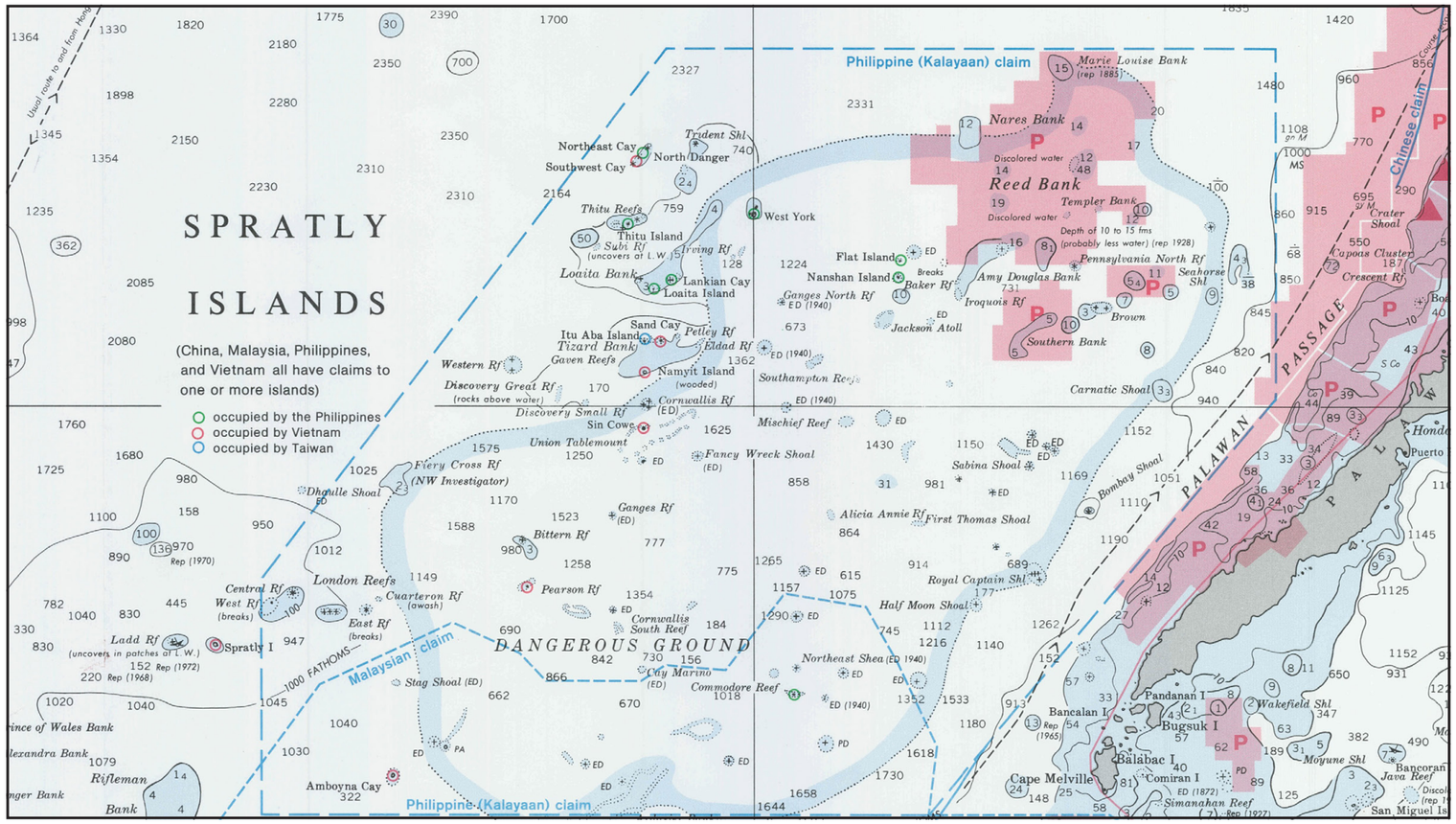


1981, *South China Sea: Maritime Claims and Petroleum Activity*

1981
South China Sea: Maritime Claims and Petroleum Activity

Subject
Southeast Asia

Author
U.S. Central Intelligence Agency



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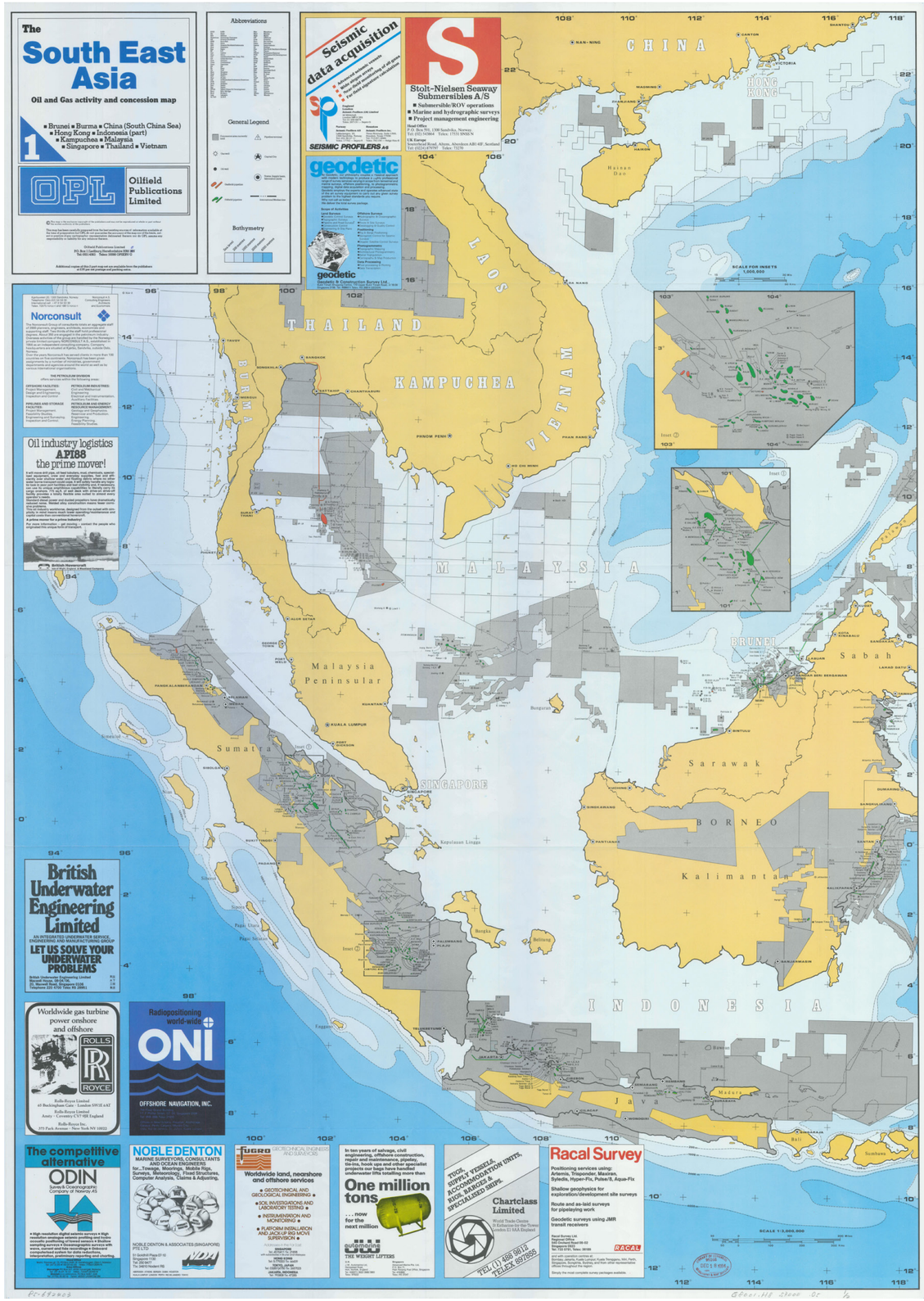
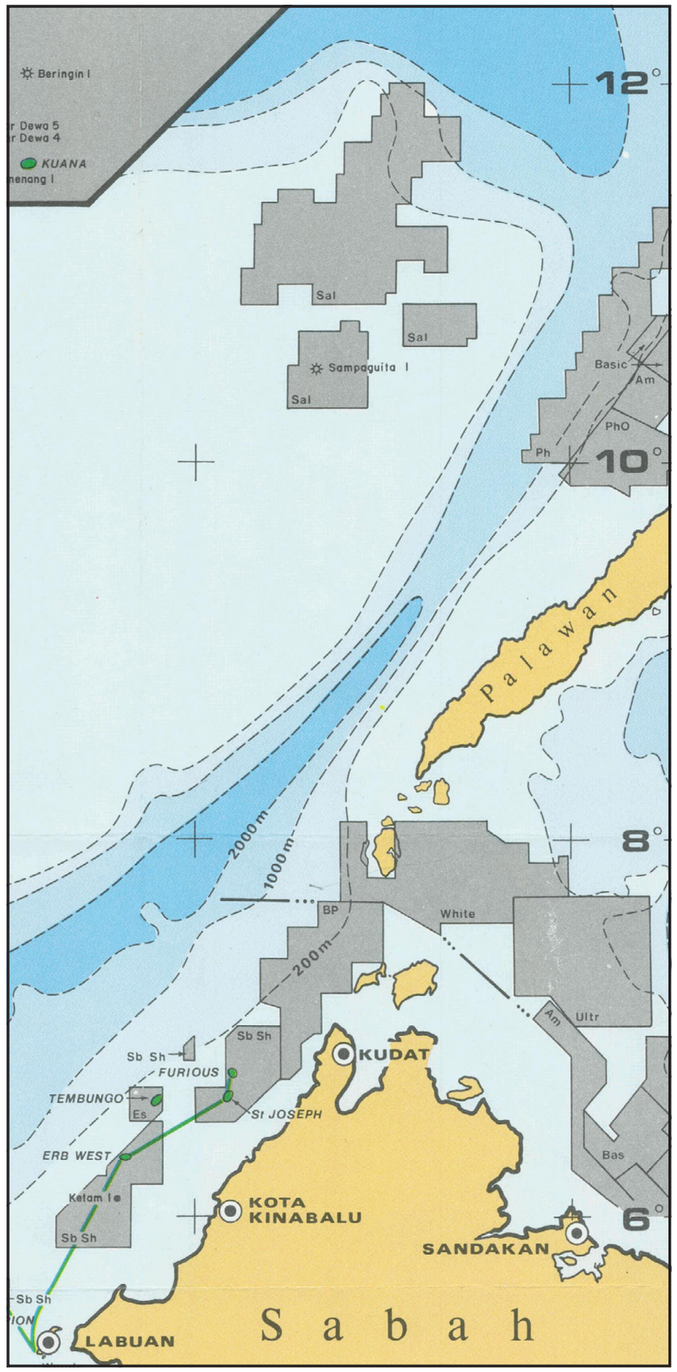


c. 1984, *The South East Asia Oil and Gas activity and concession map*

c. 1984
The South East Asia Oil and Gas activity and concession map

Subject
Southeast Asia

Author
Oilfield Publications Limited



Enlargement. c. 1984, *The South East Asia Oil and Gas activity and concession map*

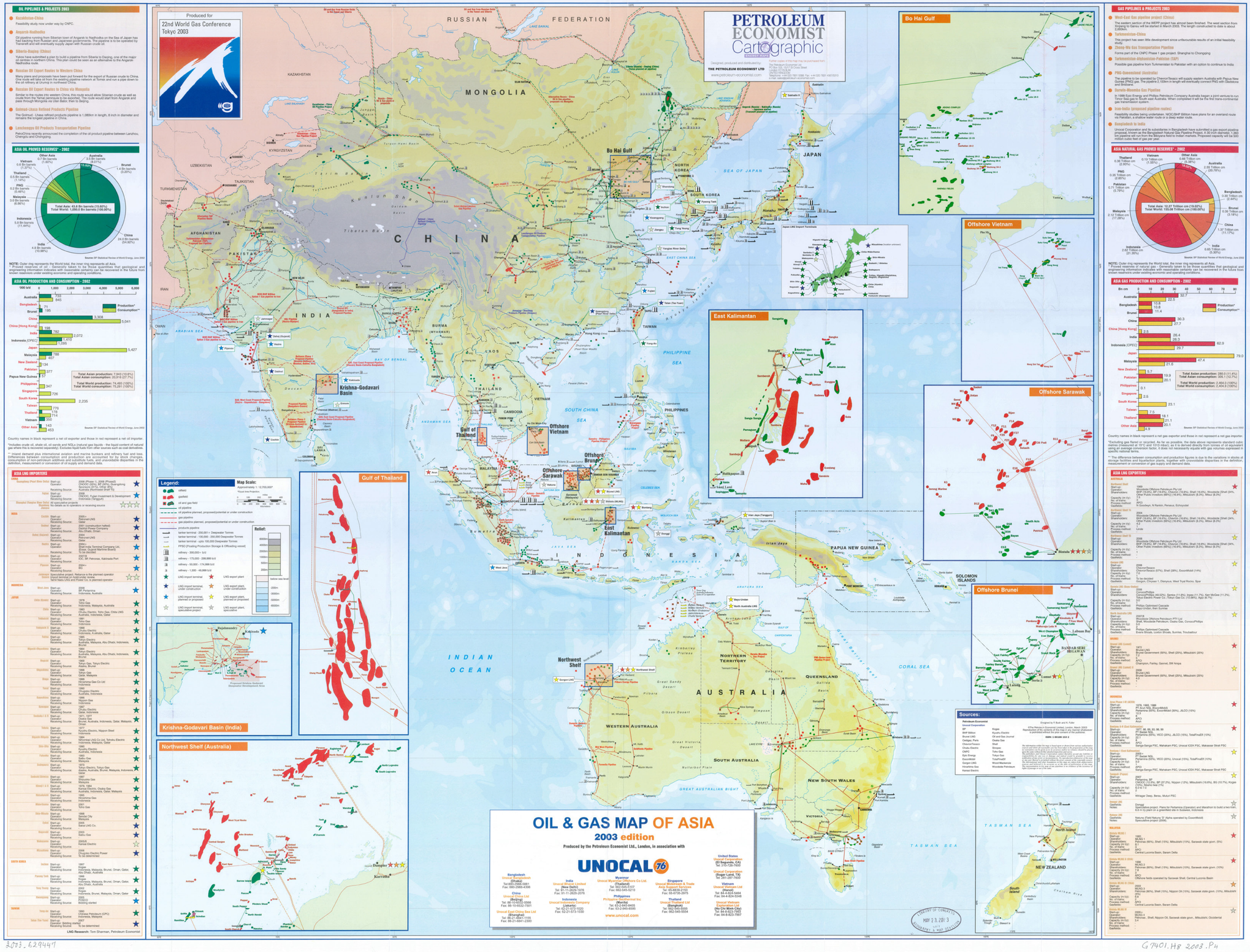
1994, *Oil & Gas Map of Southeast Asia*

1994
Oil & Gas Map of Southeast Asia

Subject
Southeast Asia

Author
PennWell Publishing Co., XYZ Mapping

Enlargement. 1994, *Oil & Gas Map of Southeast Asia*



2003, *Oil and Gas Map of Asia*

2003
Oil and Gas Map of Asia

Subject
Southeast Asia

Author
P. Bush and K. Fuller, Petroleum Economist Ltd.

Enlargement. 2003, *Oil and Gas Map of Asia*

2003, *Asia Pacific*

2011
Asia Pacific

Subject
Southeast Asia

Author
Quest Offshore Resources, Deloitte Petroleum Services

Enlargement. 2011, *Asia Pacific*

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