

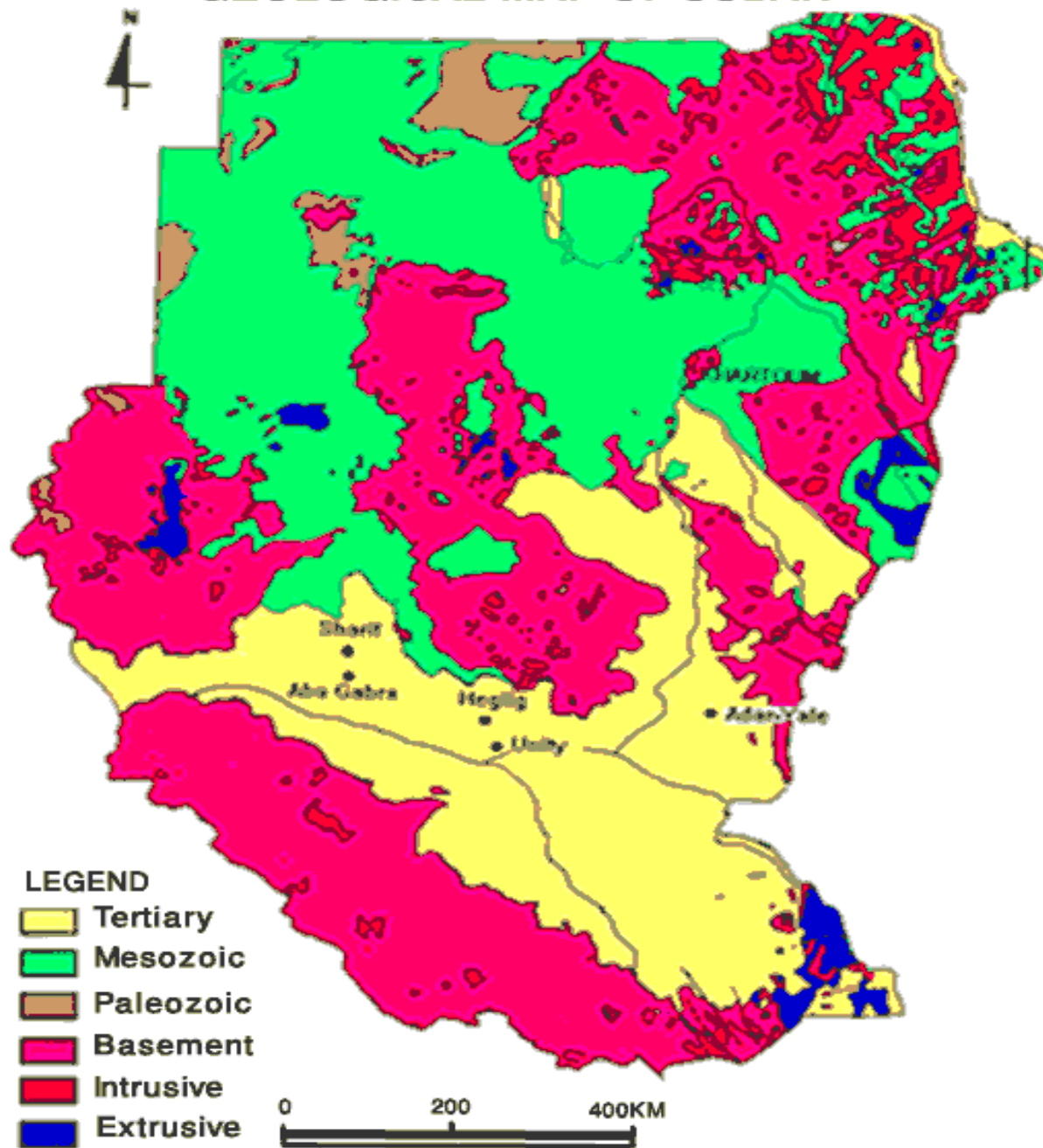


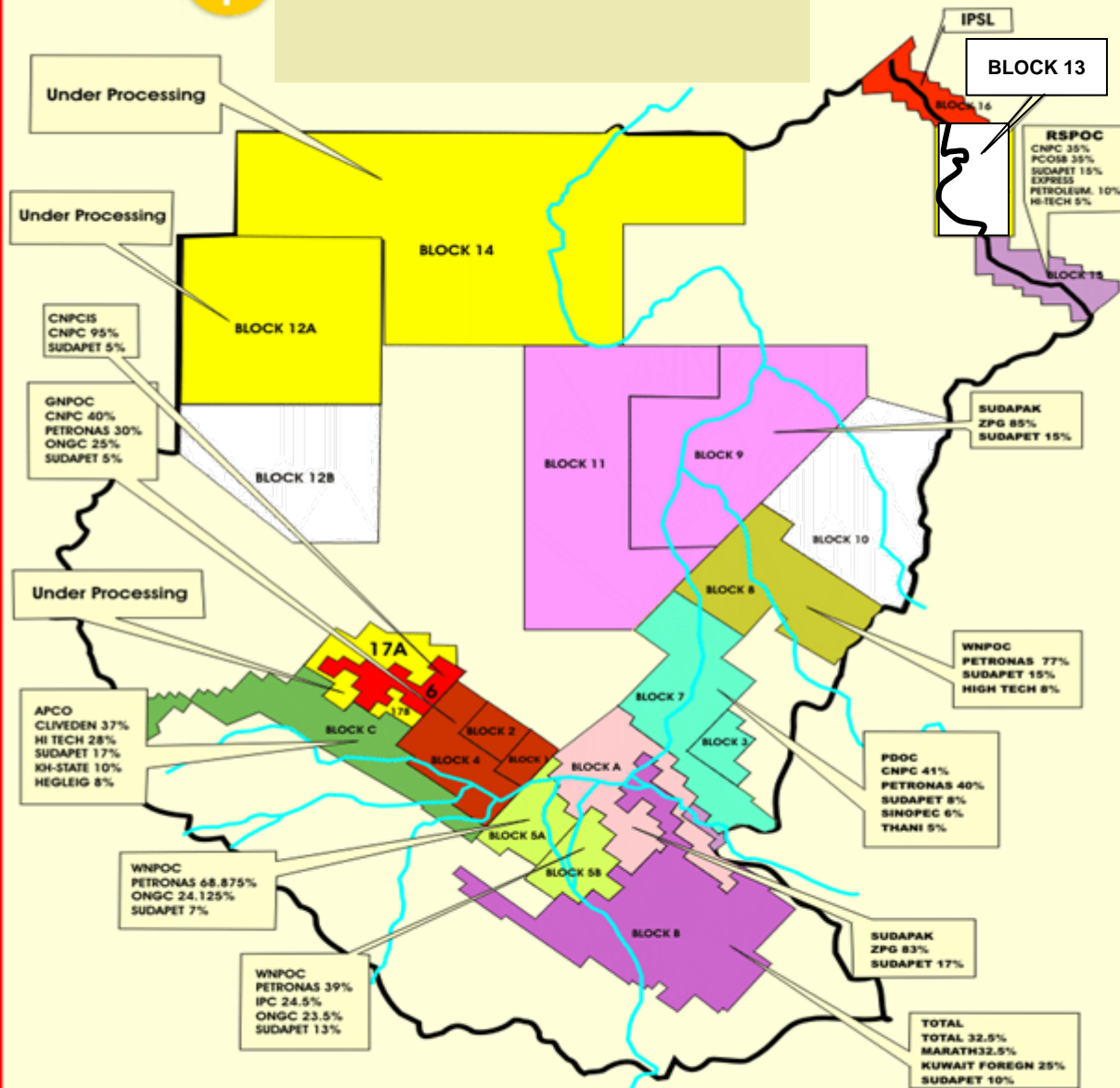
وزارة الطاقة والتعدين
MINISTRY OF ENERGY
& MINING

OIL & Gas INVESTMENT IN SUDAN



GEOLOGICAL MAP OF SUDAN





Oil & Gas Concessions Map

Block 1,2 & 4

- Partners:

CNPC
PETRONAS
ONGC
SUDAPET

- Operating Company:
GNPOC

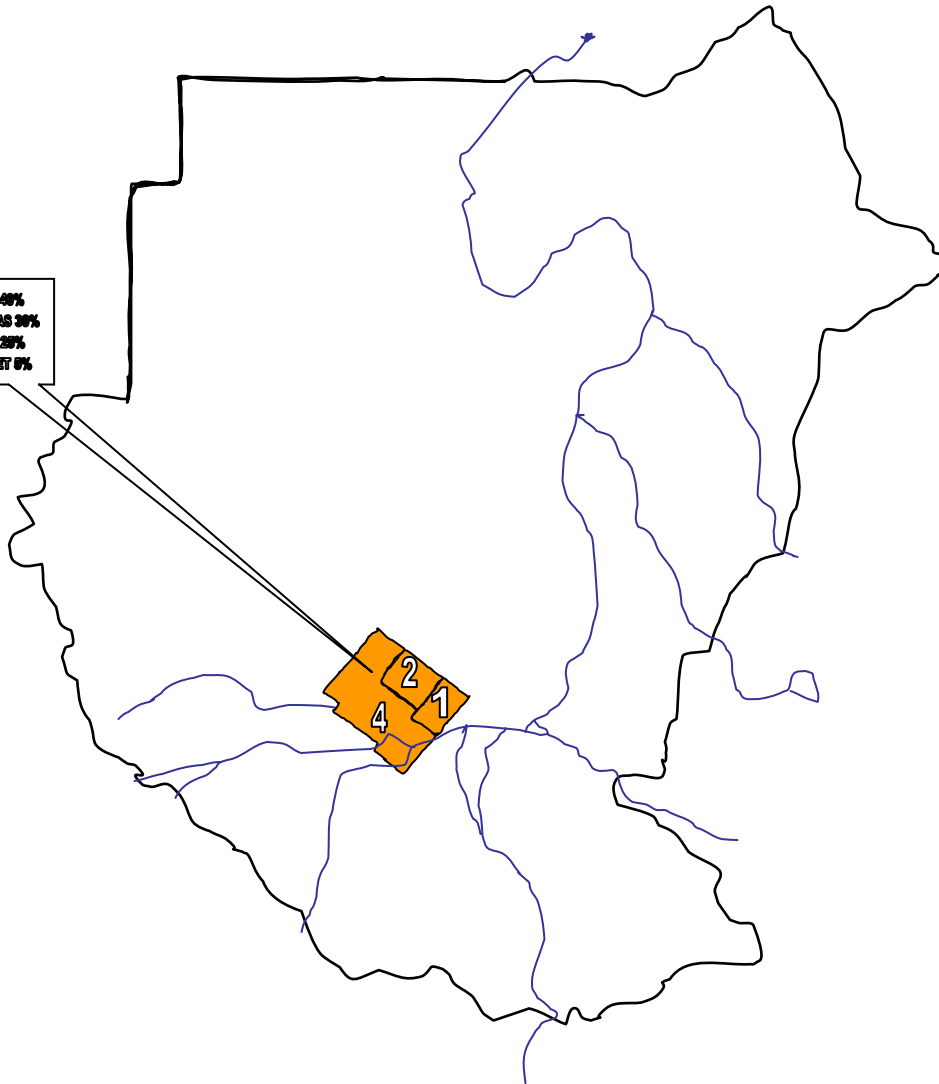
- EPSA: 1997

- Area: 48913 Km²

- Production Start: 1999
with 150,000 B/D now
reached 265,000 B/D



CNPC 40%
PETRONAS 30%
ONGC 20%
SUDAPET 8%



Block 6

•Partners:

CNPC
SUDAPET

•Operating Company:

CNPCIS

•EPSA: **1995**

•Area: **38468 Km²**

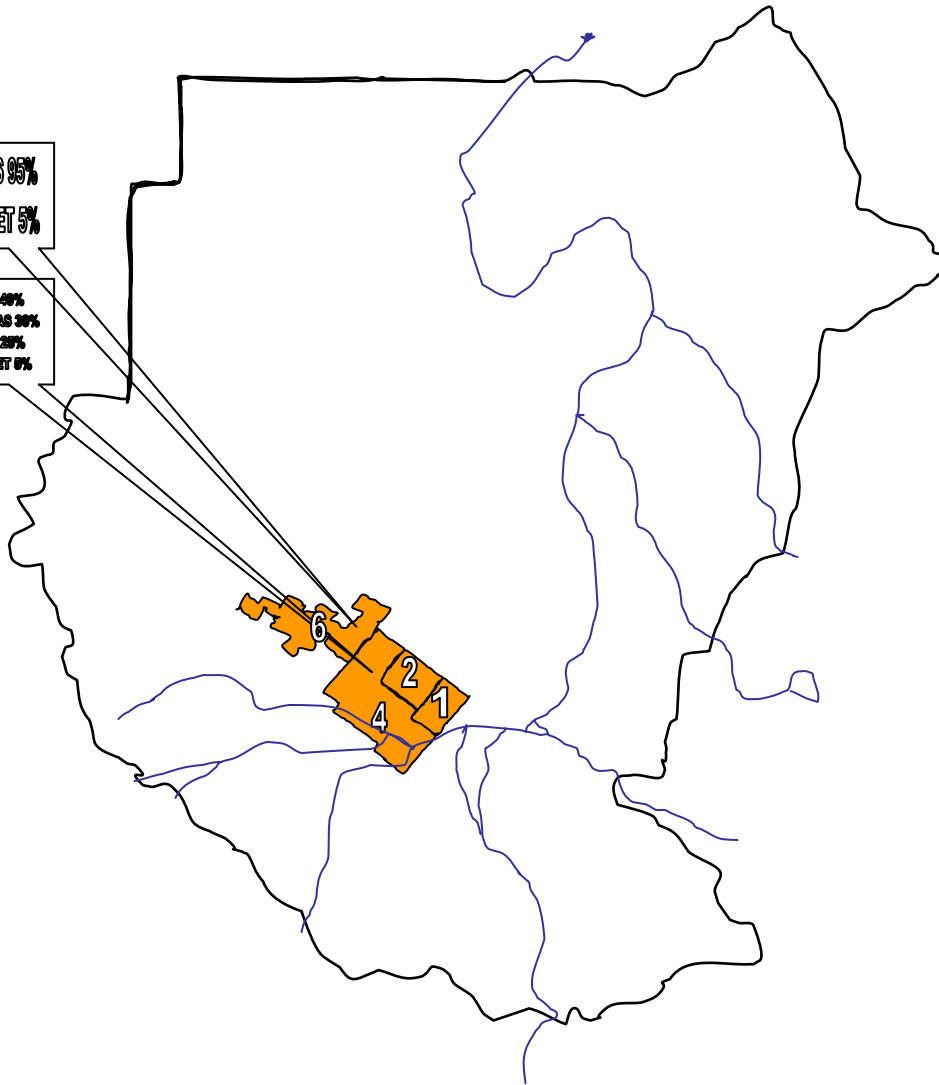
•Production Start: **2003**
and now **40,000 B/D**



CNPCIS 95%
SUDAPET 5%



CNPC 40%
PETROBRAS 30%
GNOC 20%
SUDAPET 8%



Block 5A

•Partners:

PETRONAS
ONGC
SUDAPET

•Operating Company:
WNPOC

•EPSA: 1997

•Area: 29885 Km²

•Production Start on July
2006 with 26,000 B/D



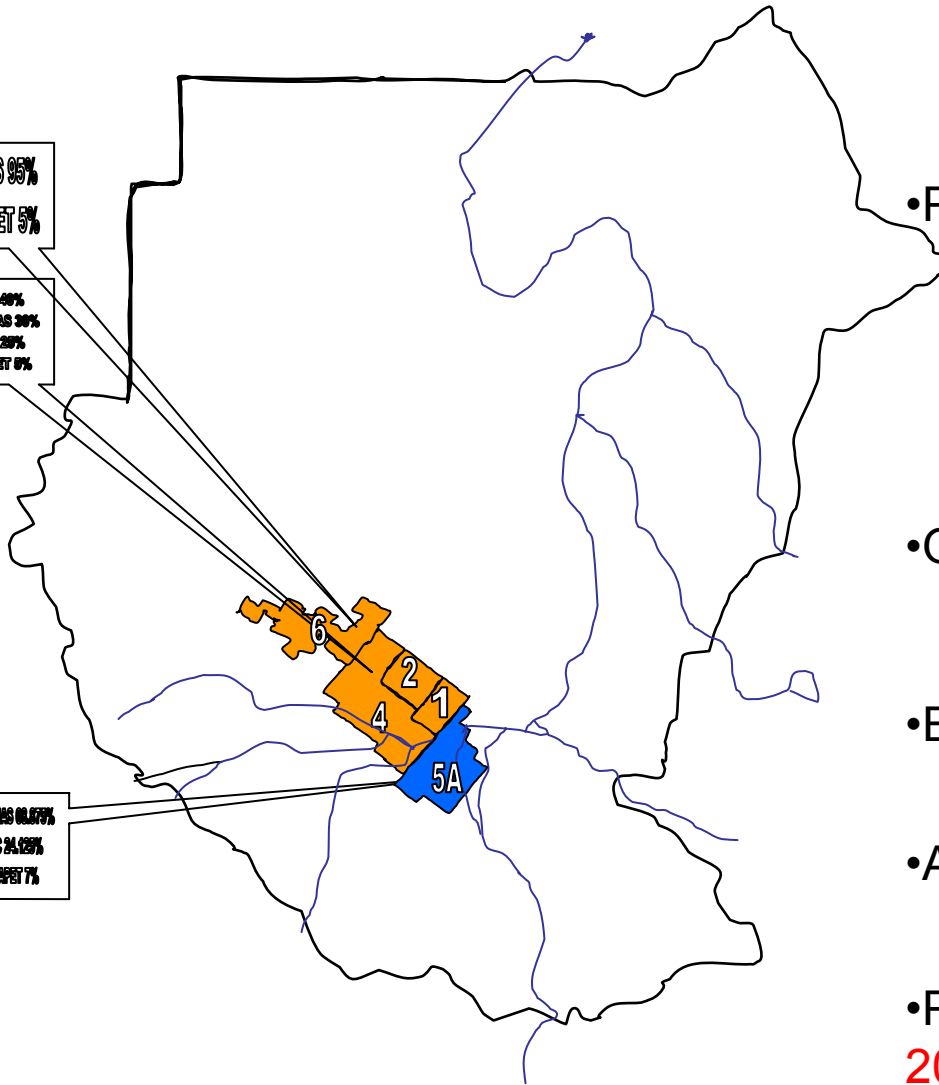
CNPCIS 95%
SUDAPET 5%



GNPC 40%
PETRONAS 30%
ONGC 20%
SUDAPET 8%



PETRONAS 64.77%
ONGC 34.12%
SUDAPET 7%



Oil Concession Blocks

Block 5B

•Partners:

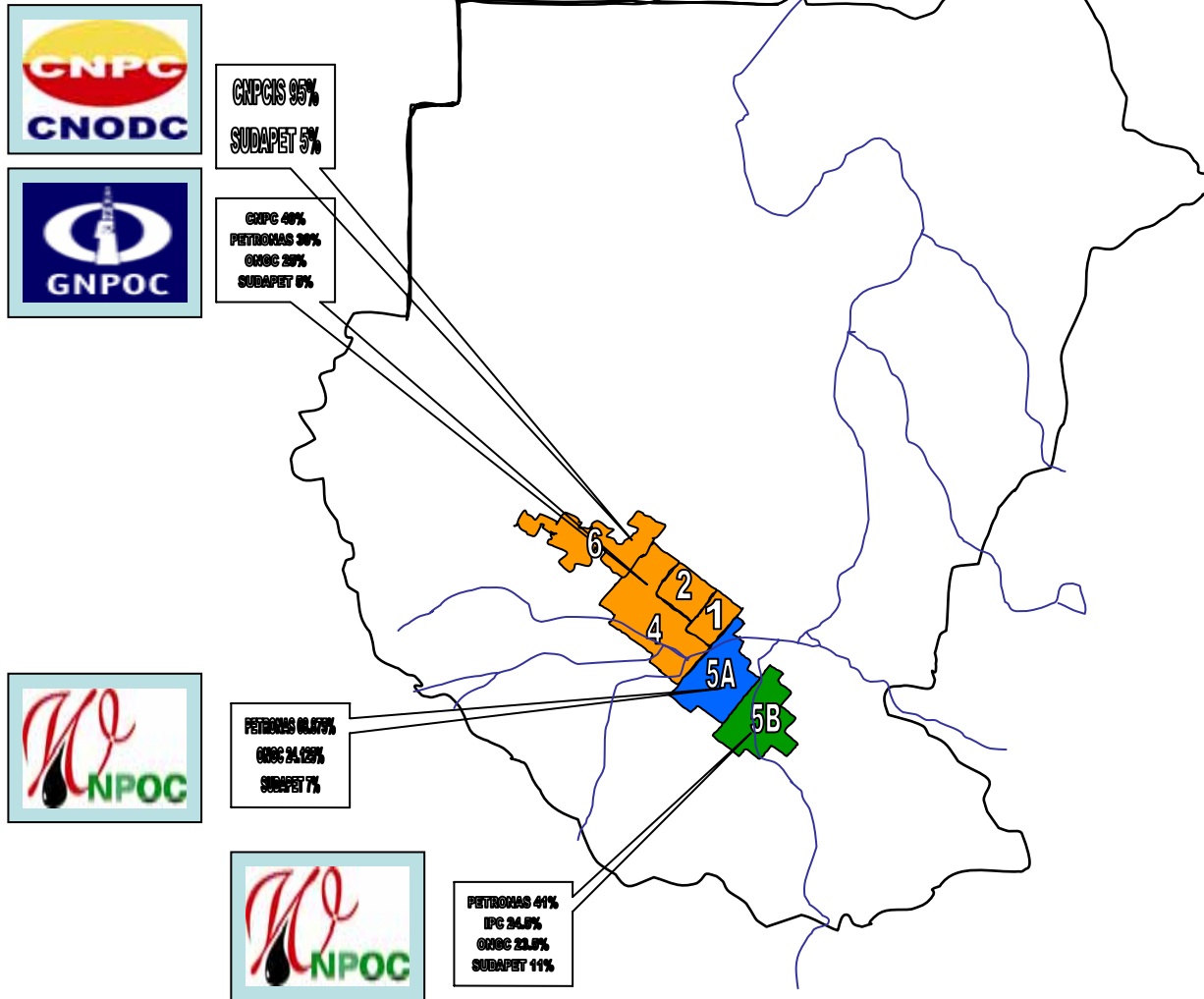
PETRONAS
IPC
ONGC
SUDAPET

•Operating Company:

WNPOC

•EPSA: 2001

•Area: 20199 Km²



Oil Concession Blocks

Block C

•Partners:

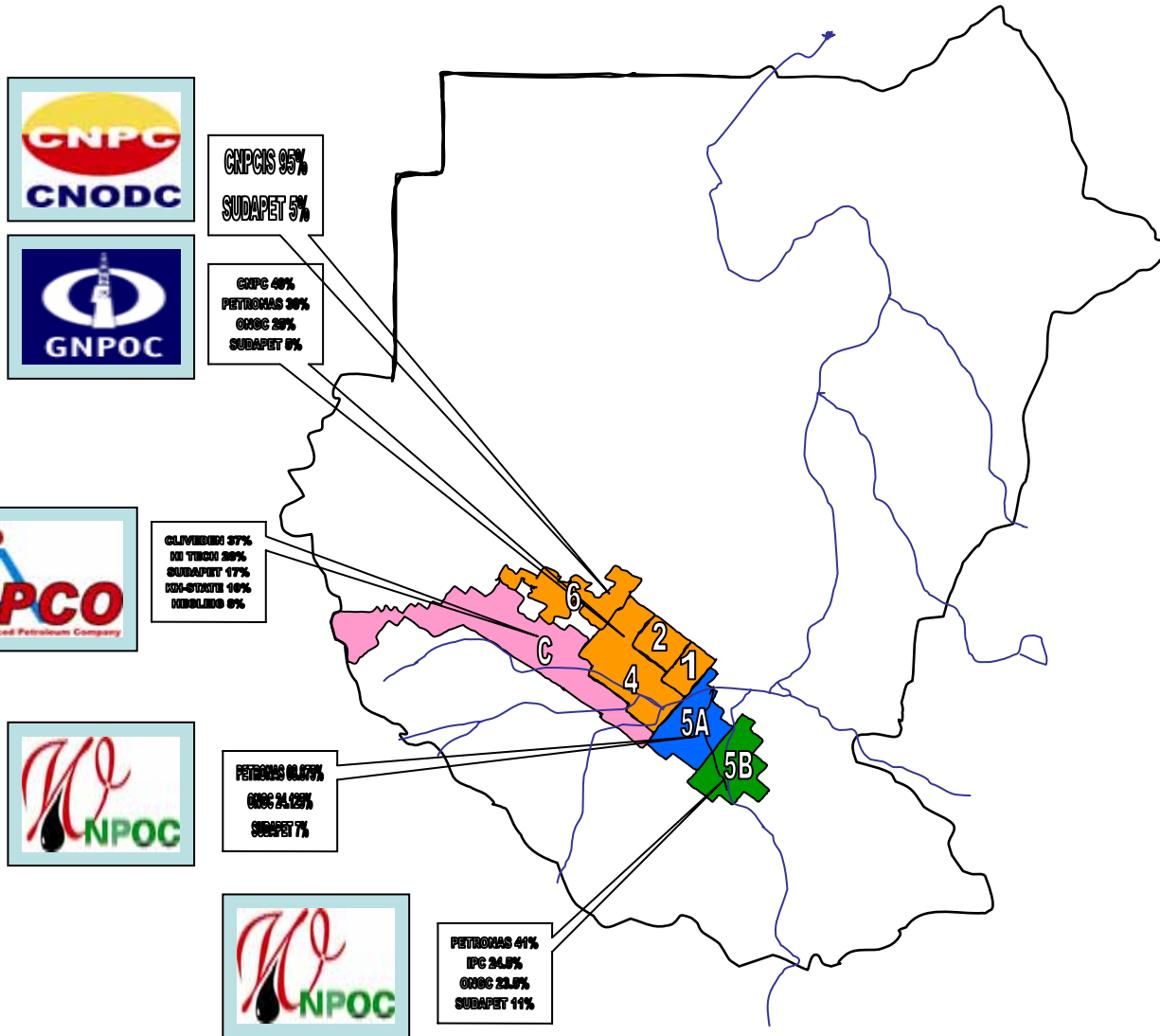
Cliveden
HiTech
Kh.State
Heglig
Sudapet

•Operating Company:

APCO

•EPSA: 2003

•Area: 65000 Km²



Block A

•Partners:

ZAFIR
SUDAPET

•Operating Company:
SUDAPAK

•EPSA: 2004

•Area: 125480 Km²



CNPCIS 95%
SUDAPET 5%



GPOC 40%
PETROMAS 30%
GONG 20%
SUDAPET 8%



GLVINDO 37%
DO YINCO 20%
SUDAPET 17%
KON-STRATE 10%
KIBULING 8%



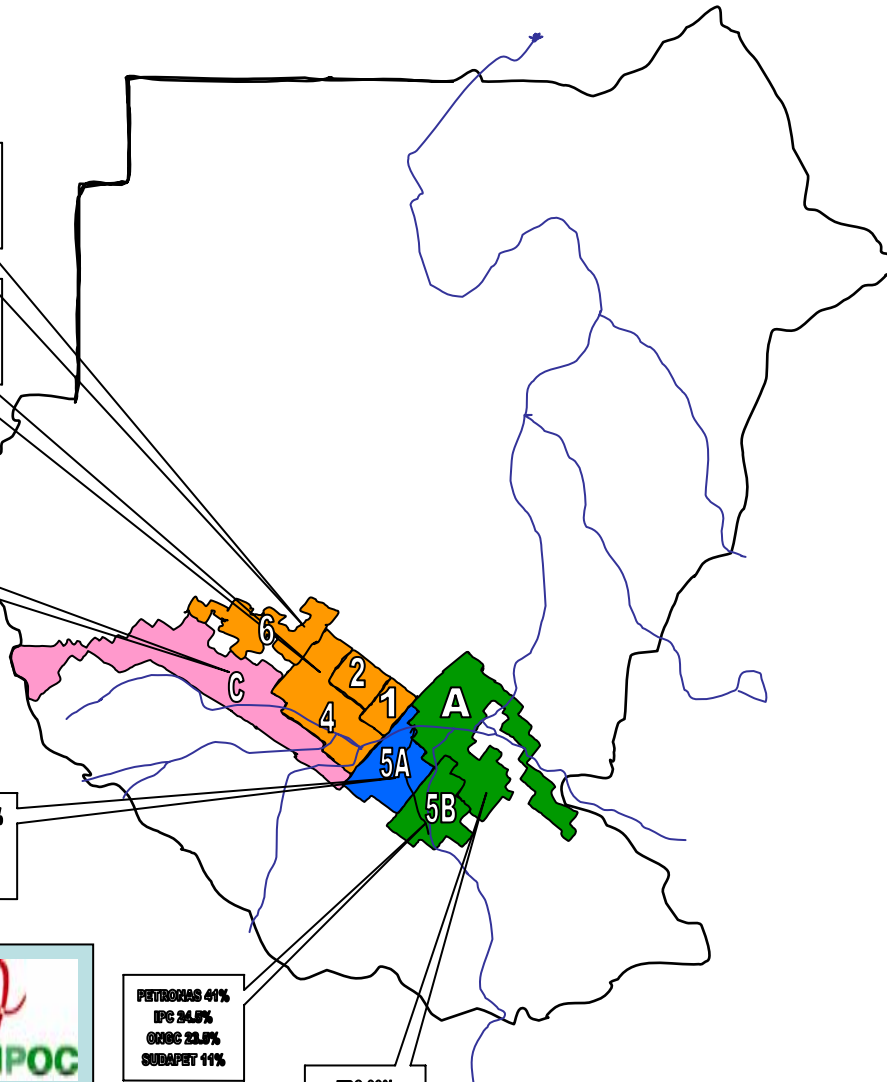
PETROMAS 64.7%
GONG 24.1%
SUDAPET 7%



PETROMAS 41%
IPC 24.6%
GONG 23.6%
SUDAPET 11%



ZPG 63%
SUDAPET 17%



Oil Concession Blocks

Block B

•Partners:

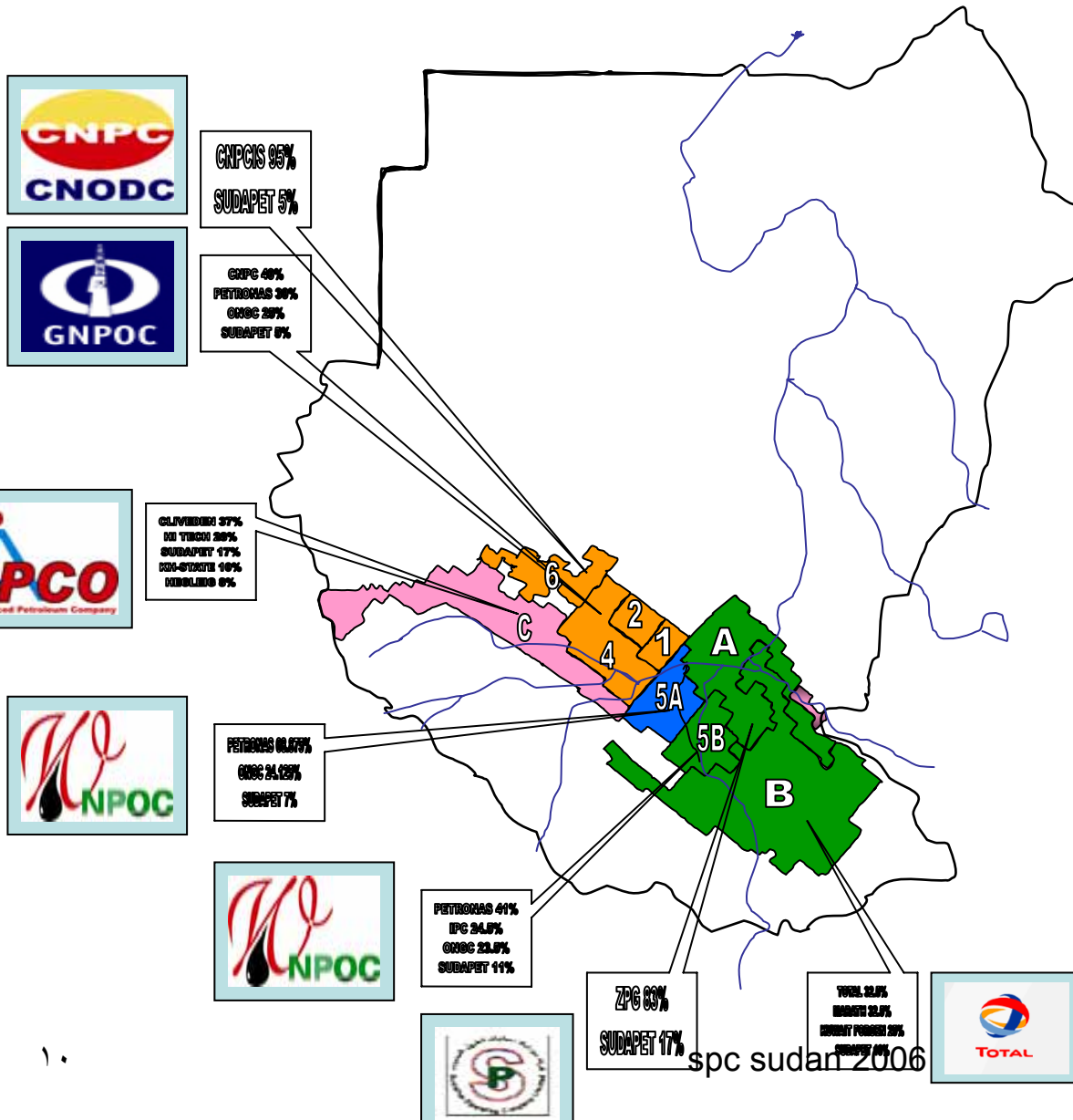
TOTAL
Marathon
Kuwait Foreign
SUDAPET

•Operating Company:

TOTAL

•EPSA: 1980 renewed at 2004

•Area: 118586 Km²



Oil Concession Blocks

Block 3 & 7

•Partners:

CNPC
 PETRONAS
 Al-Thani
 SINOPEC
 SUDAPET

•Operating Company:
 PDOC

•EPSA: 2000

•Area: 72419 Km²

•Production Start on July 2006
 with 160,000 B/D



CNPCIS 95%
 SUDAPET 5%



GPOC 40%
 PETRONAS 30%
 GPOC 20%
 SUDAPET 8%



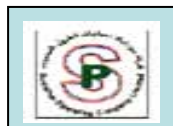
GLVINDO 37%
 DD YINCO 20%
 SUDAPET 17%
 KOS-SITAKI 10%
 KIBULING 8%



PETRONAS 61.77%
 GPOC 24.12%
 SUDAPET 7%



PETRONAS 41%
 IPC 24.6%
 GPOC 23.6%
 SUDAPET 11%



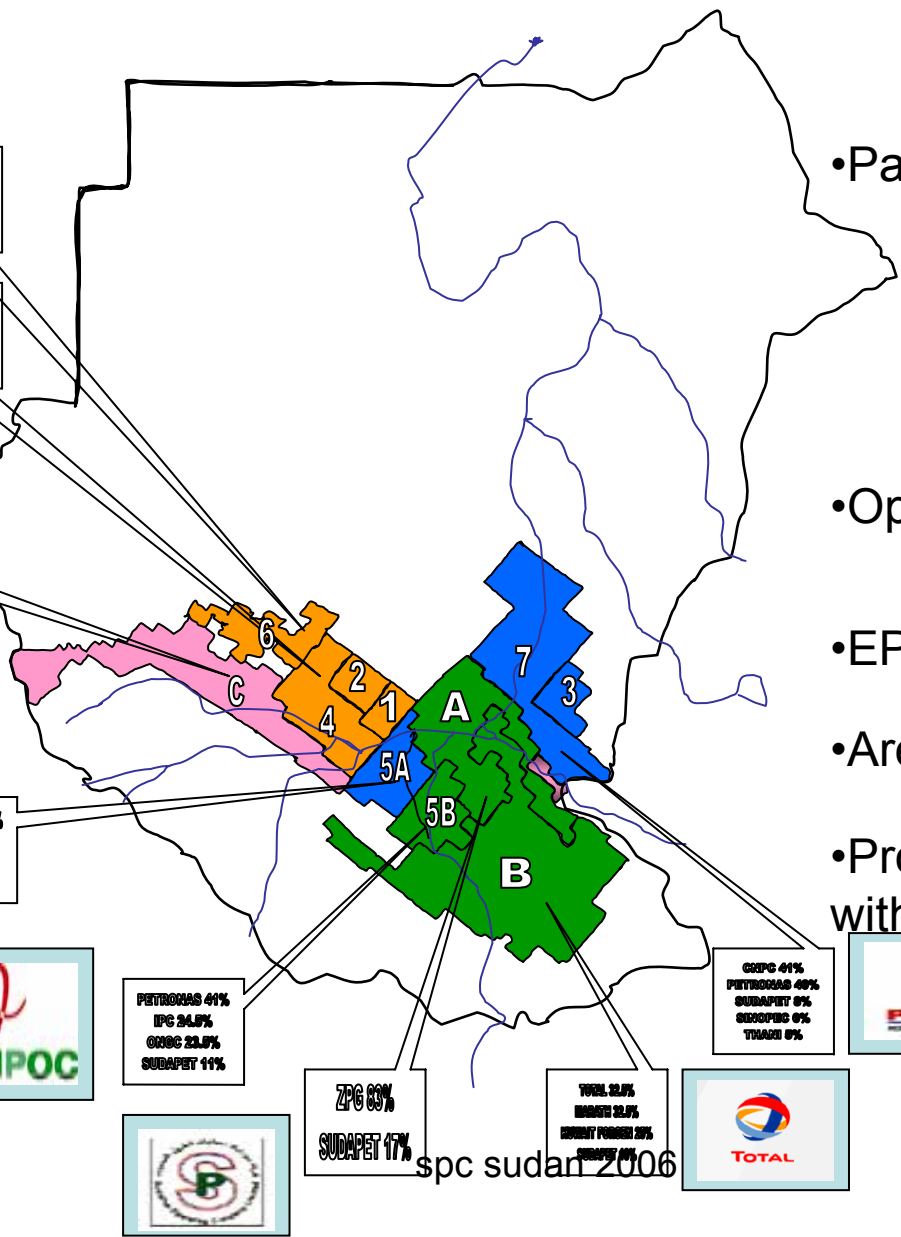
ZPC 63%
 SUDAPET 17%

spc sudar 2006

TOTAL 22.8%
 SUDAPET 22.8%
 SUDAPET 20%
 SUDAPET 20%



GPOC 41%
 PETRONAS 40%
 SUDAPET 8%
 SUDAPET 8%
 THAKH 8%



Oil Concession Blocks

Block 8

•Partners:

PETRONAS
Hi-Tech
SUDAPET

•Operating Company:

WNPOC

•EPSA: 2003

•Area: 65856 Km²



CNPCIS 95%
SUDAPET 5%



GNPC 40%
PETRONAS 30%
GNOC 20%
SUDAPET 8%



GLVING 37%
NO YUCCI 20%
SUDAPET 17%
KOS-STOKATE 10%
KIBULING 8%



PETRONAS 61.77%
GNOC 24.12%
SUDAPET 7%



PETRONAS 41%
IPC 24.6%
GNOC 23.6%
SUDAPET 11%



ZPC 63%
SUDAPET 17%

spc sudan 2006

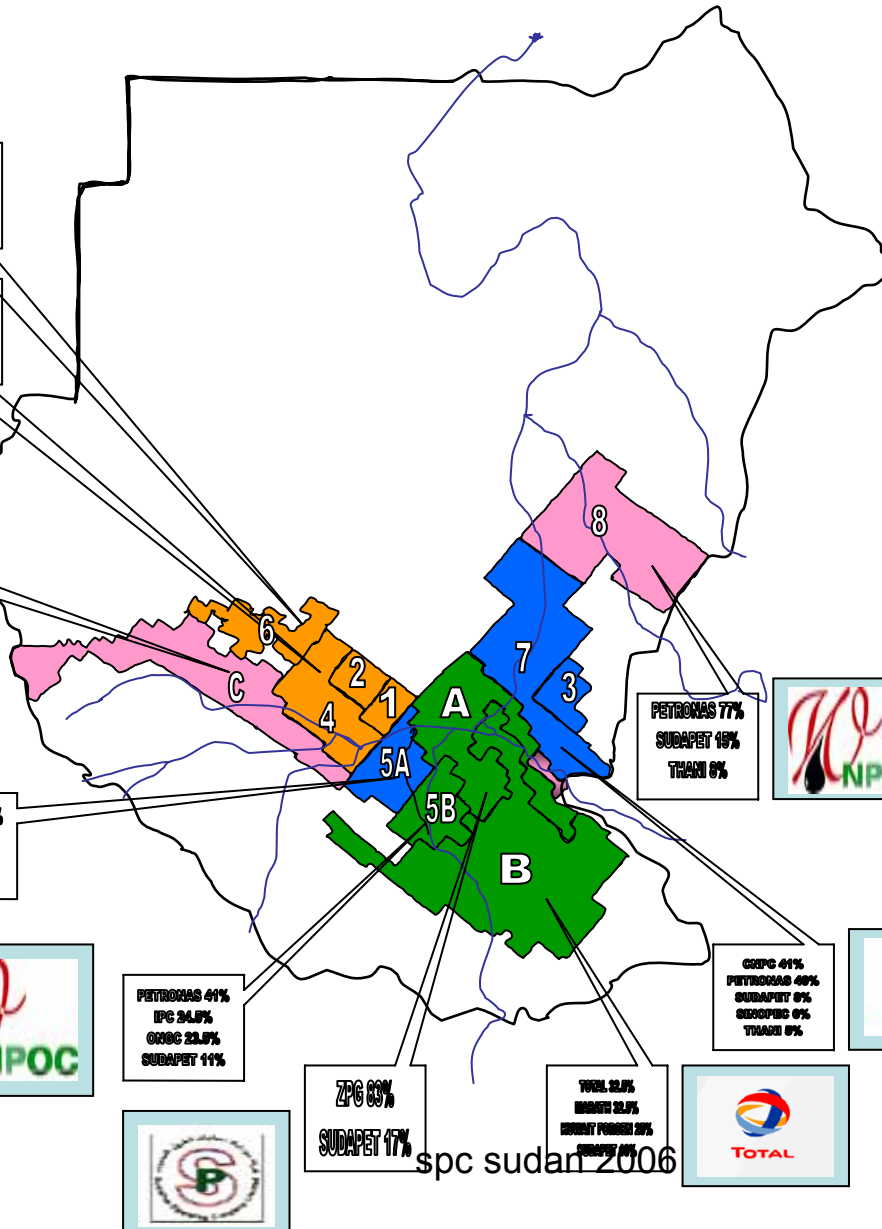
TOTAL 22.8%
MIRATH 22.8%
SUDAPET 20%
SUDAPET 20%



GNPC 41%
PETRONAS 40%
SUDAPET 8%
SUDAPET 8%
THAGH 8%



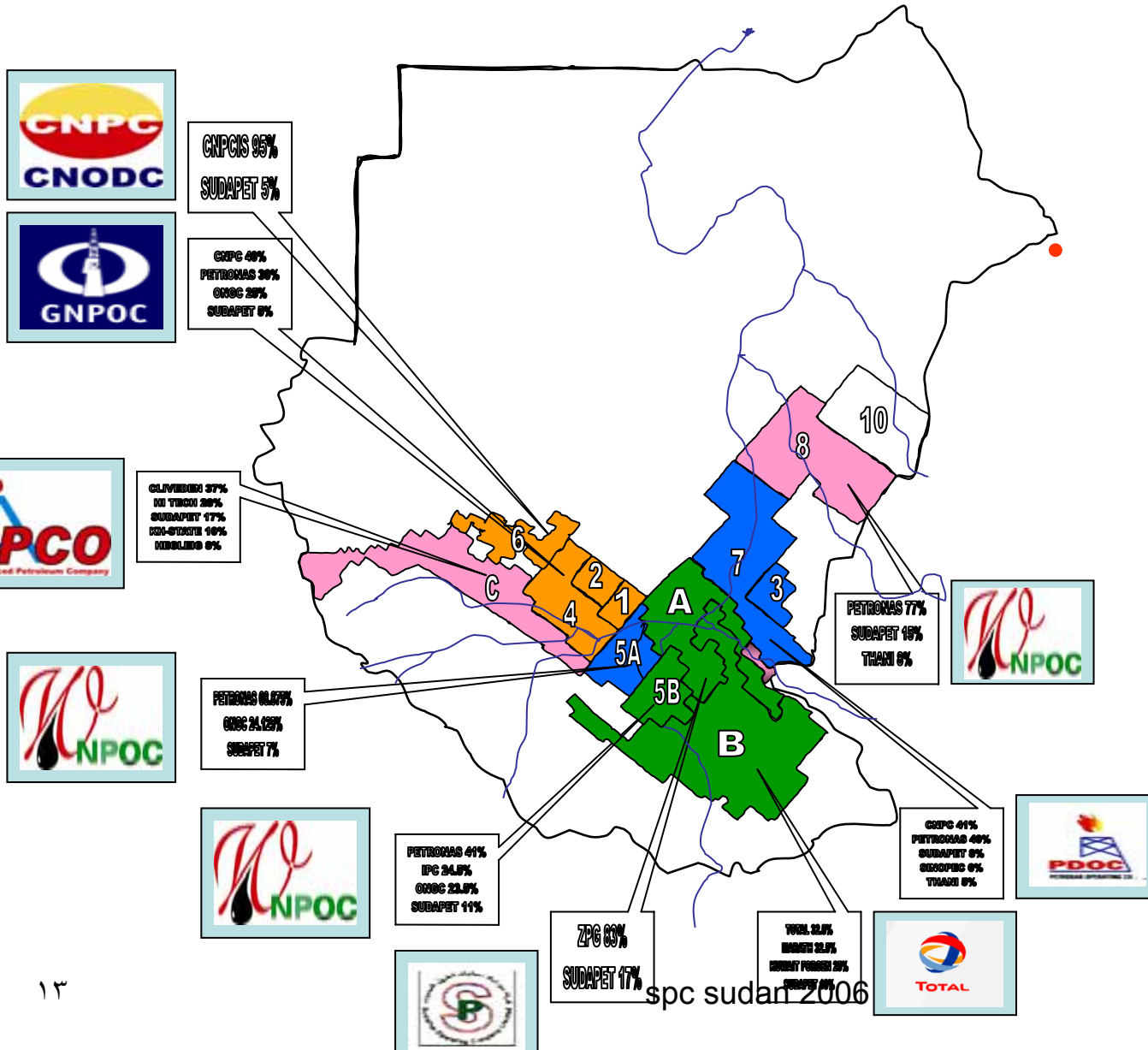
PETRONAS 77%
SUDAPET 19%
THAGH 8%



Oil Concession Blocks

Block 10

Free



Oil Concession Blocks

Block 9 & 11

•Partners:

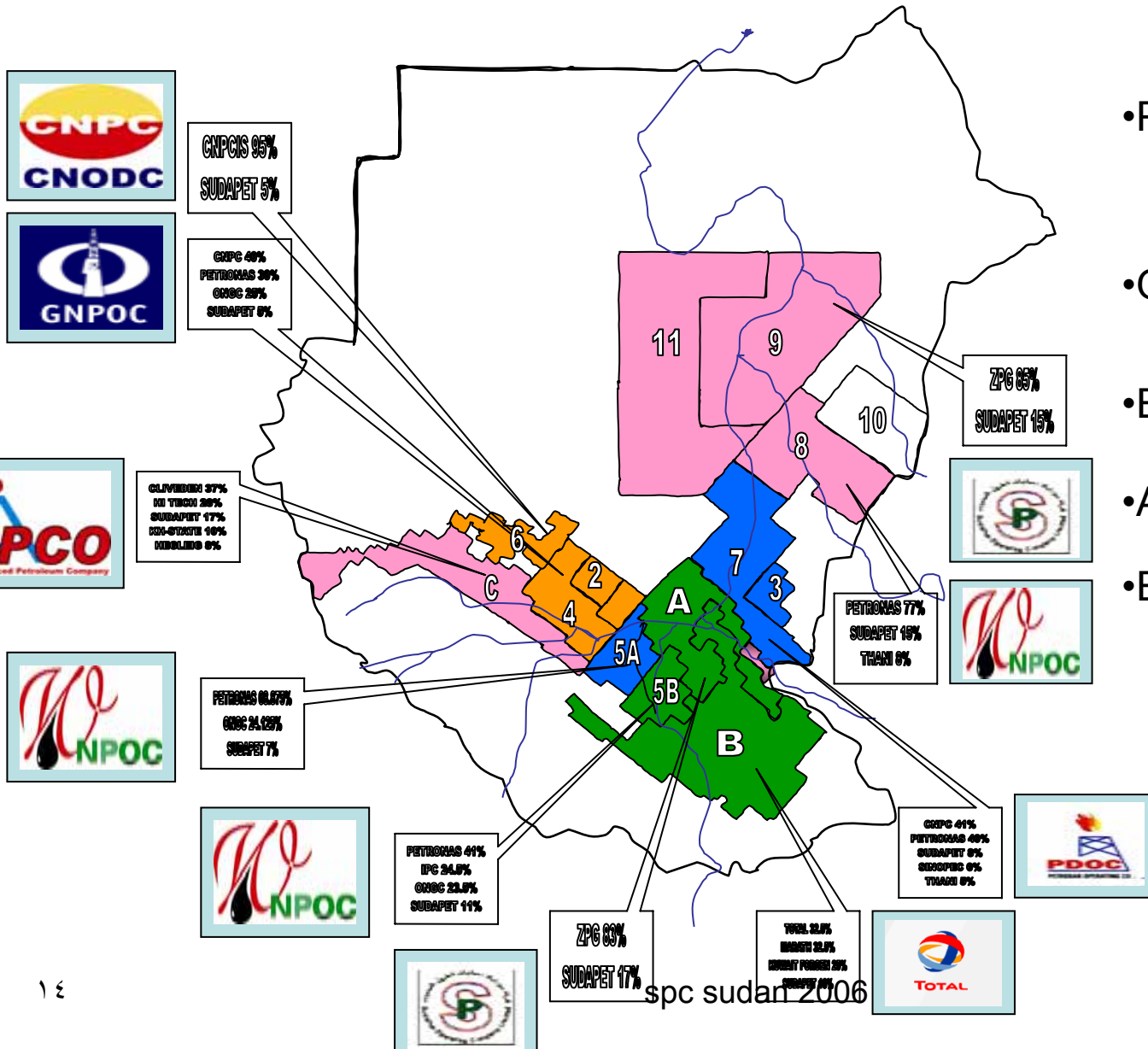
ZPG
SUDAPET

•Operating Company:
SUDAPAK

•EPSA: 2003/2004

•Area: 245214 Km²

•Exploration Stage



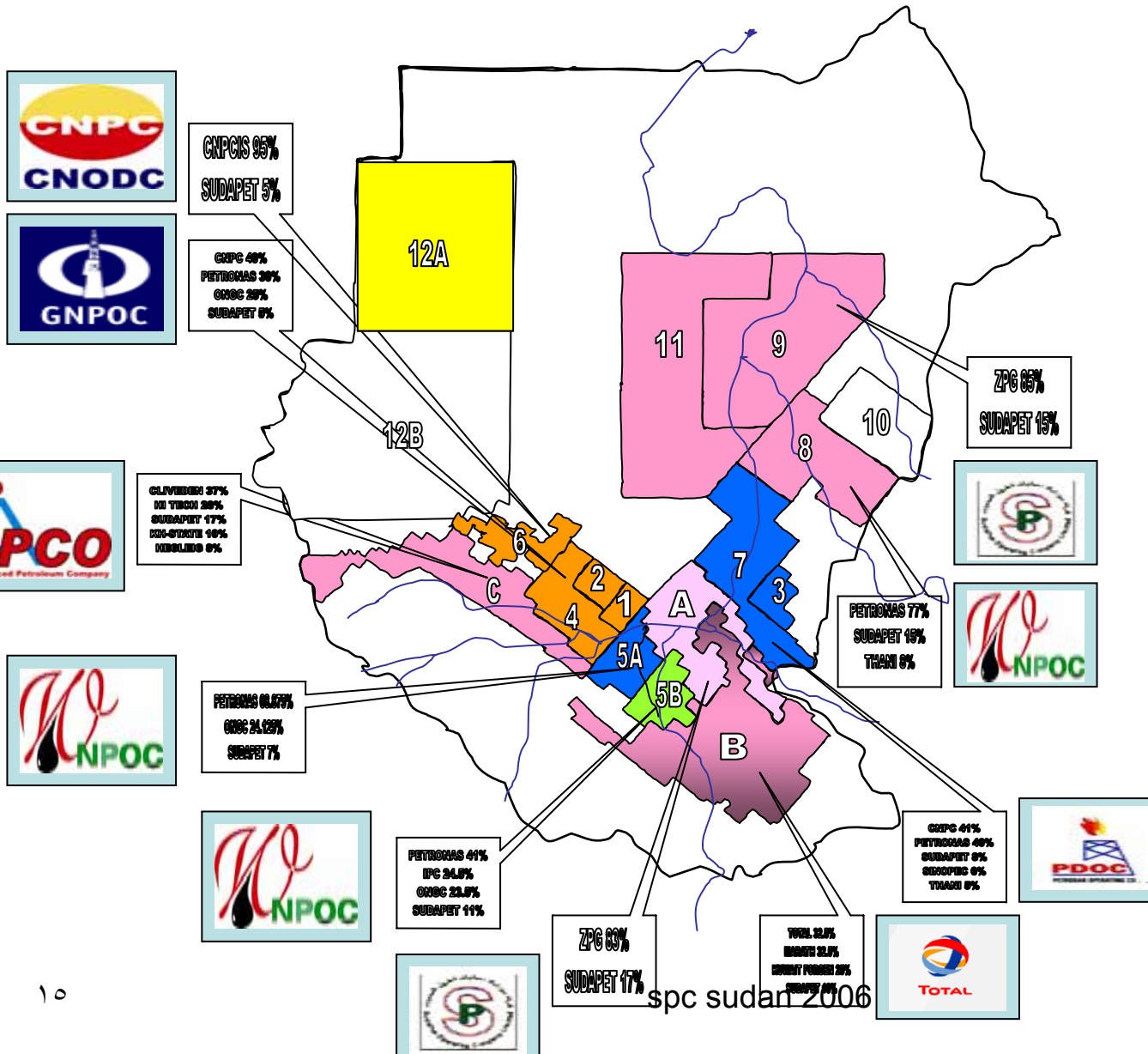
Oil Concession Blocks

Block 12A

Under processing

Block 12 B

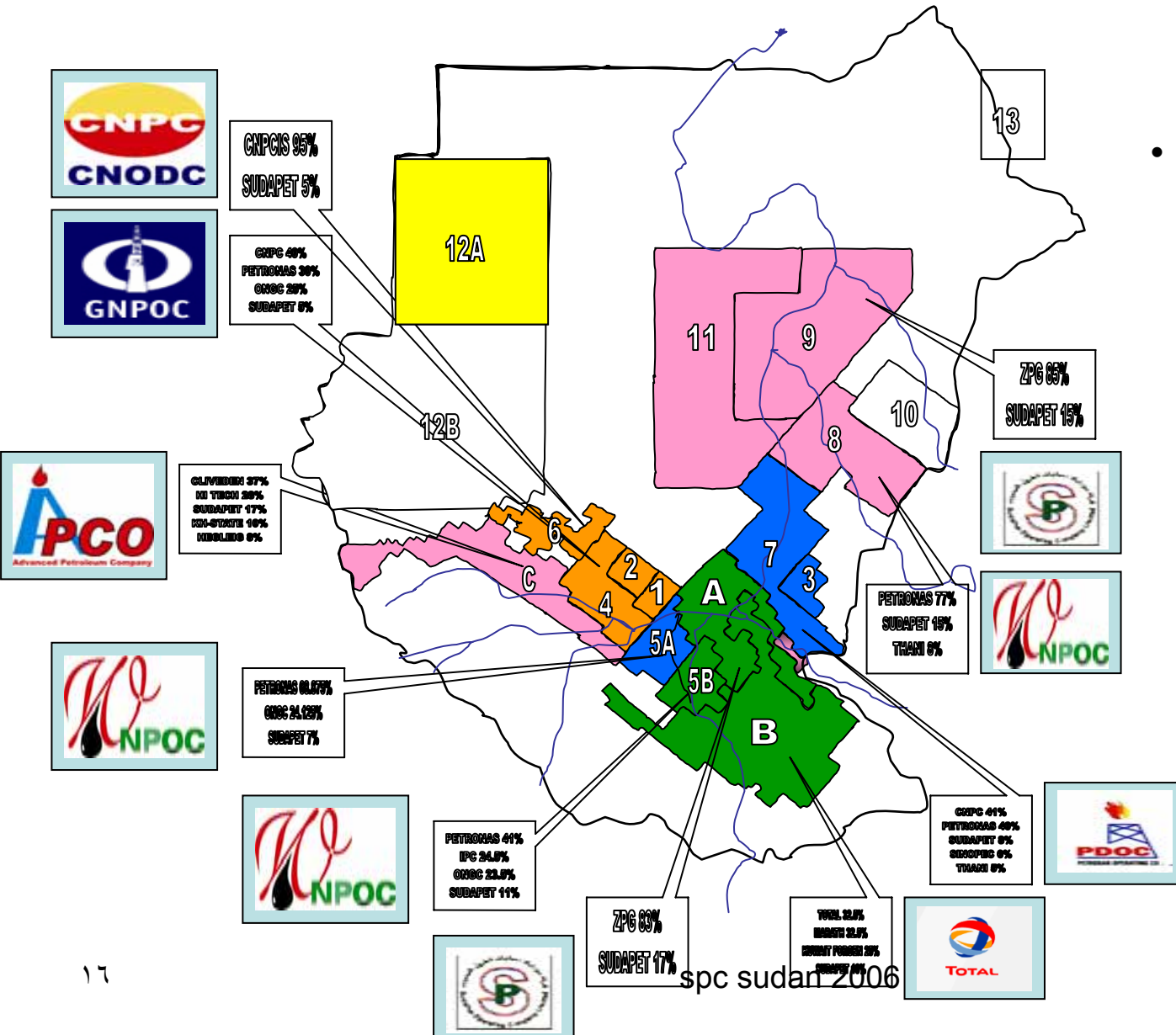
Free



Oil Concession Blocks

Block 13

- Free



Oil Concession Blocks

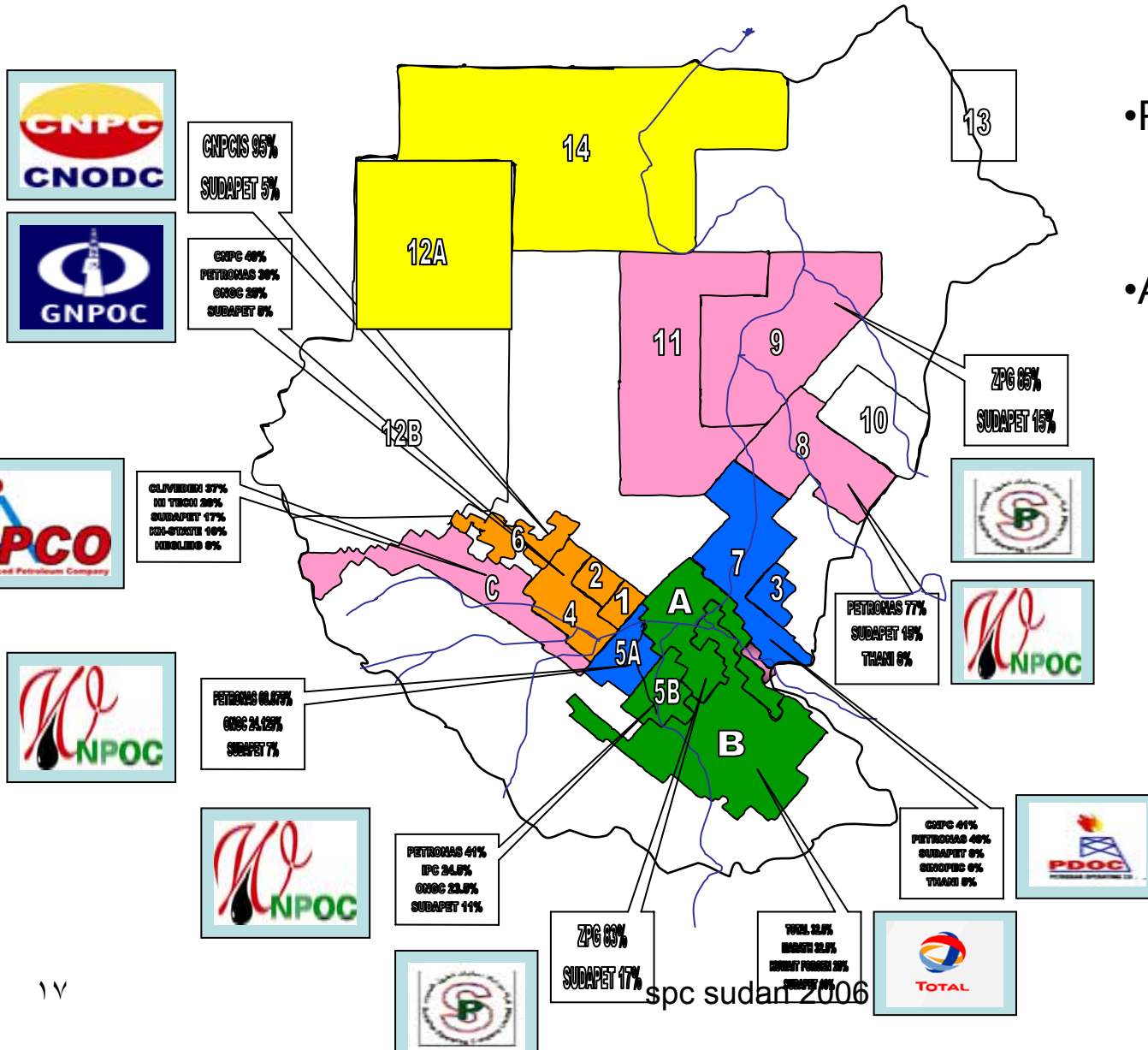
Block 14

•Partners:

PetroSA
SUDAPET

•Area: 65000 Km²

Under processing



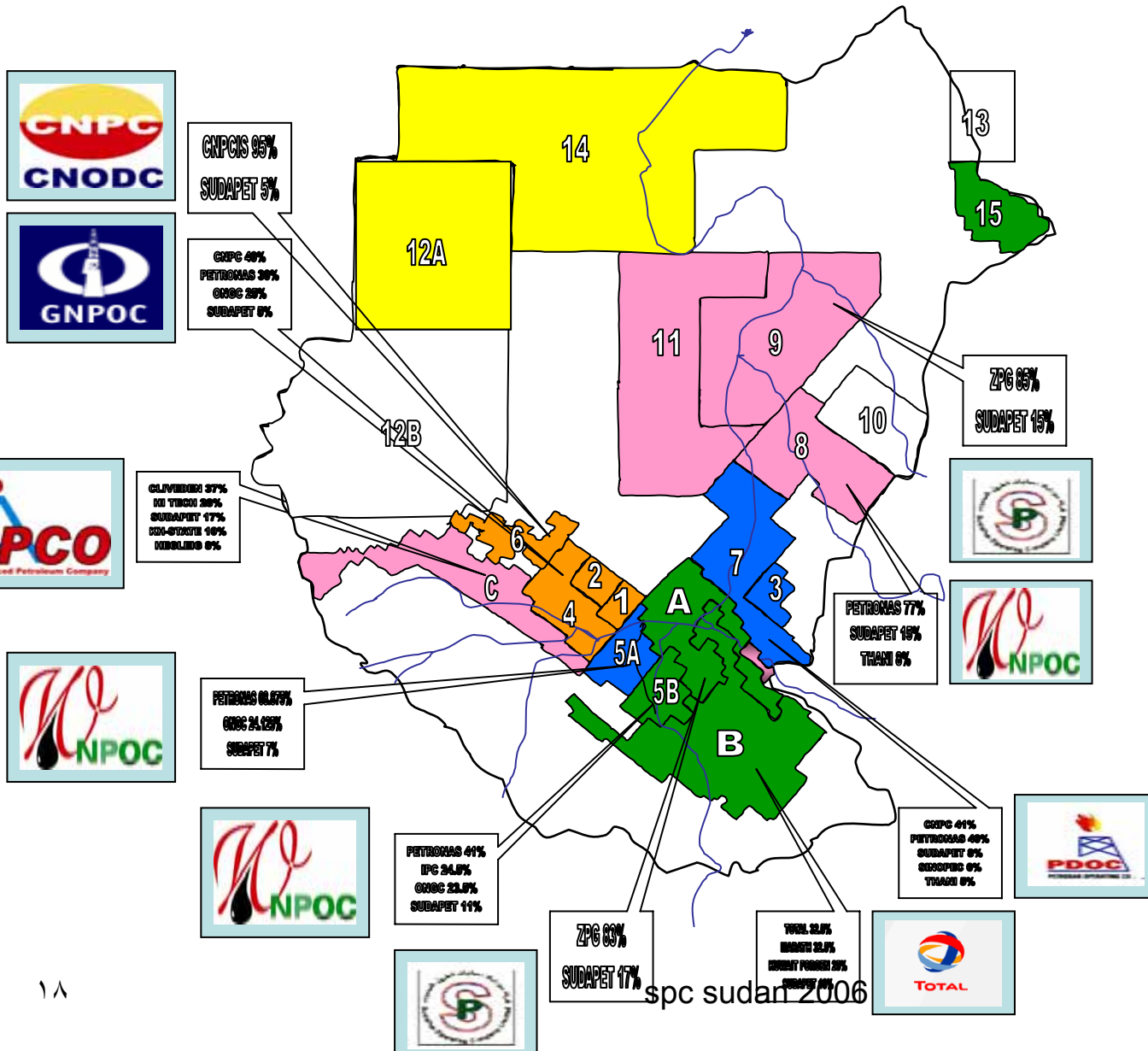
Oil Concession Blocks

Block 15

- Partners:
PETRONAS
CNPC
SUDAPET
EXPRESS PETRO
HI-TECH

•EPSA: Aug 2005

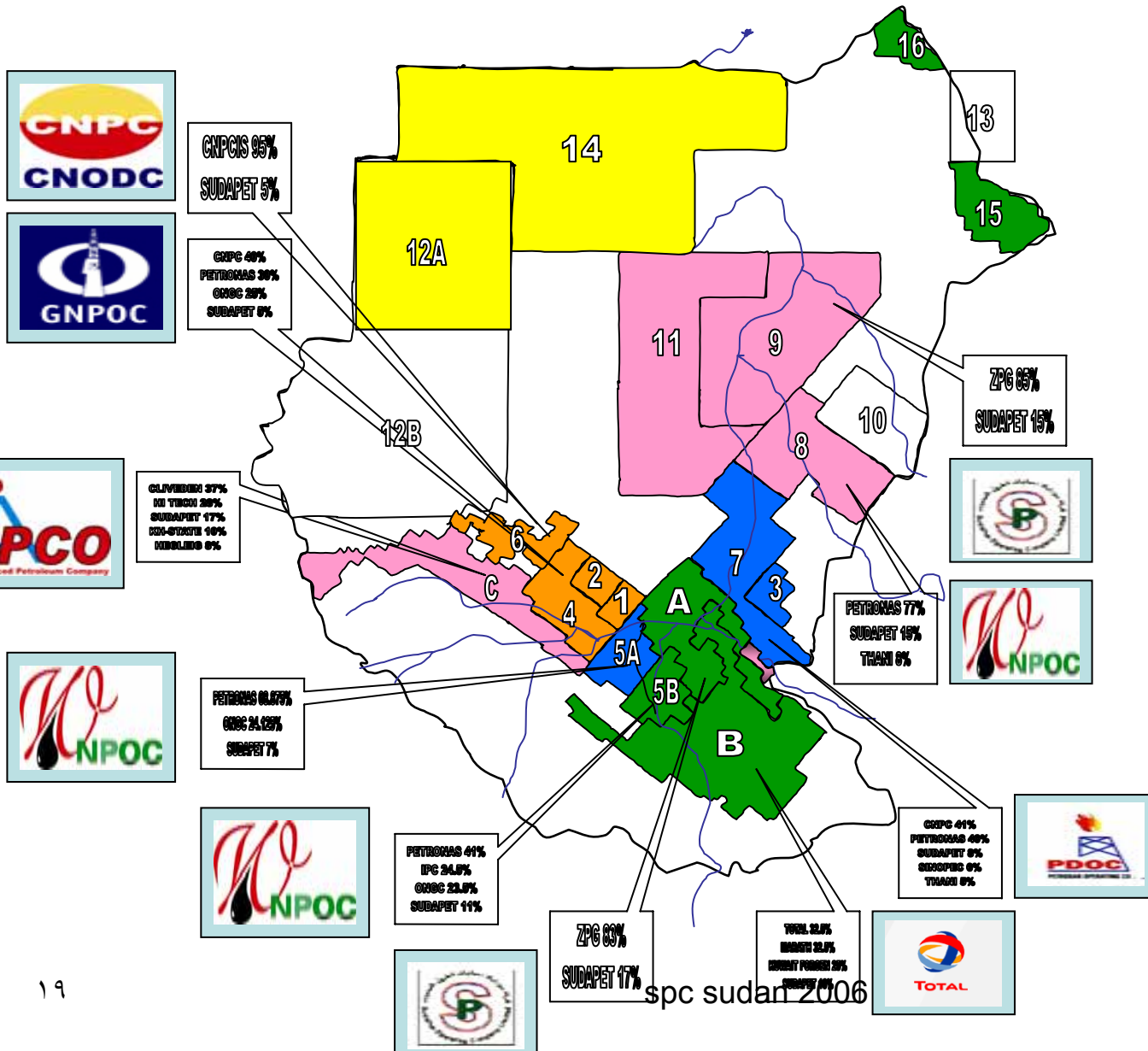
•Area: 25000 Km²



Oil Concession Blocks

Block 16

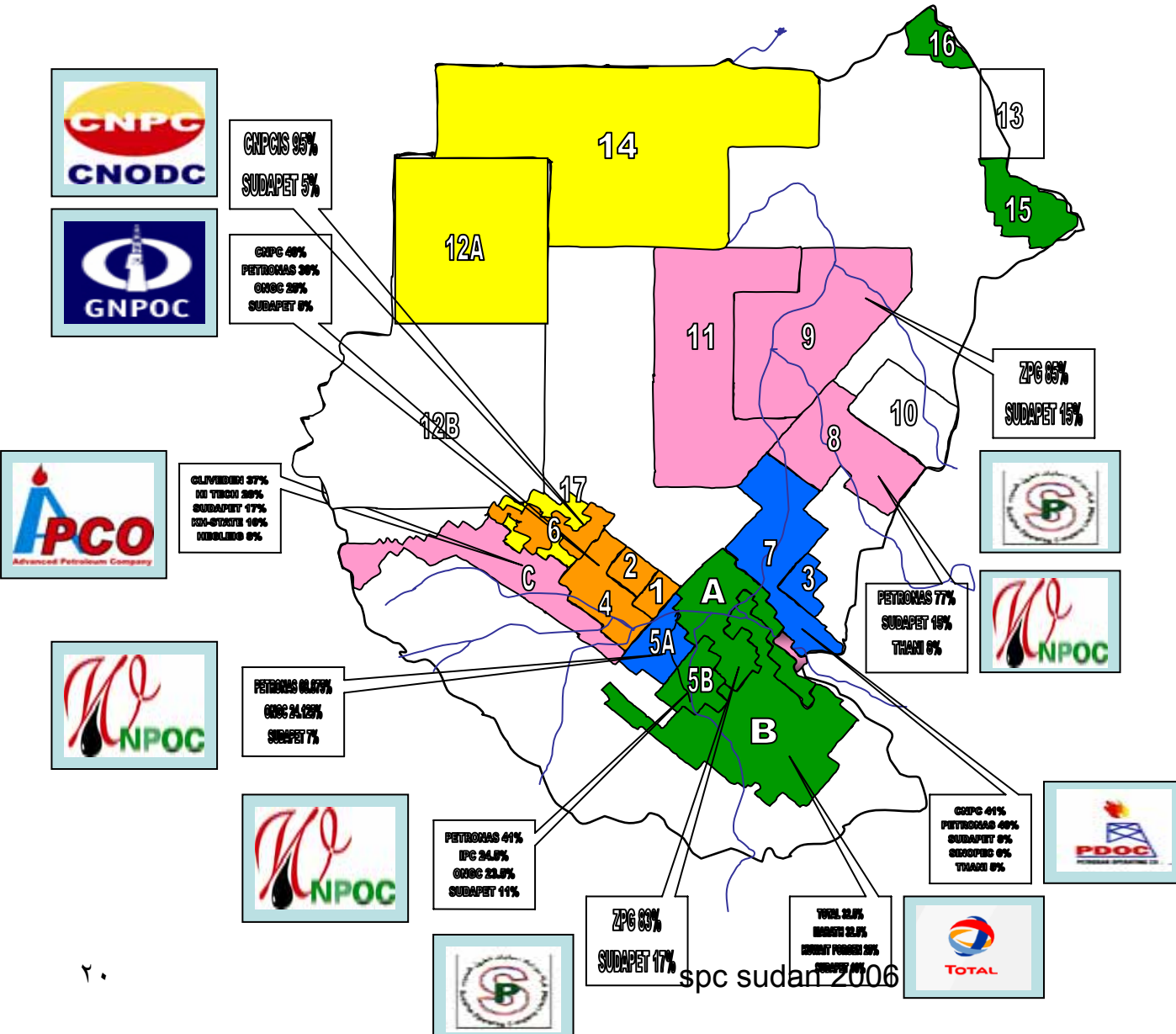
•Partners: **Lundin**



Oil Concession Blocks

Block 17

Under processing



Petroleum Industry



Trunkline & Flowline
@ receiver area



Overview of Train 1 (1st Stage Separators, 2nd Stage Separators and Heat Exchangers)



Crude Oil Storage Tank (2 nos). One is undergoing painting.



Sub station Building



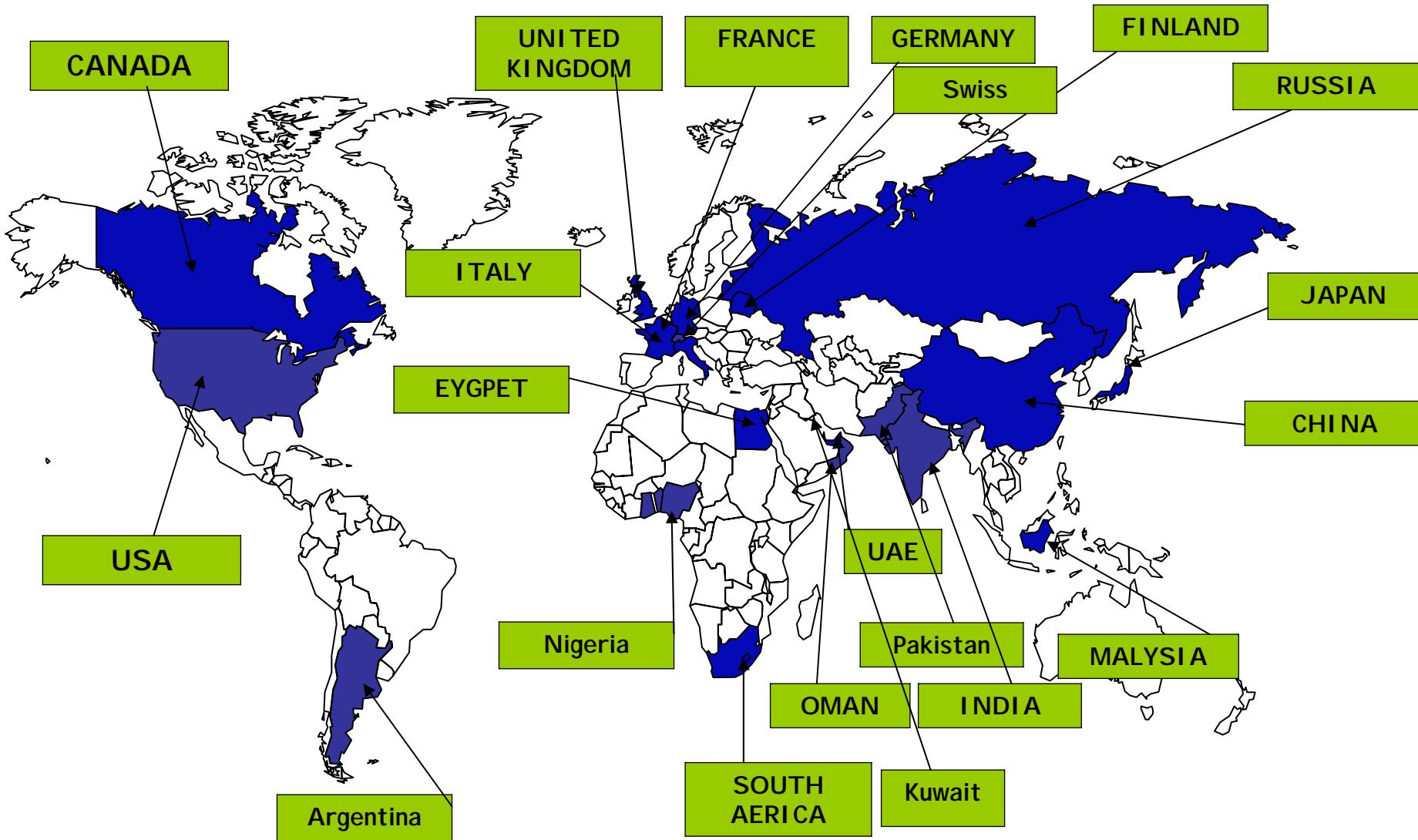
Diesel storage & FW Tanks



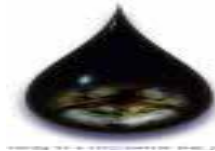
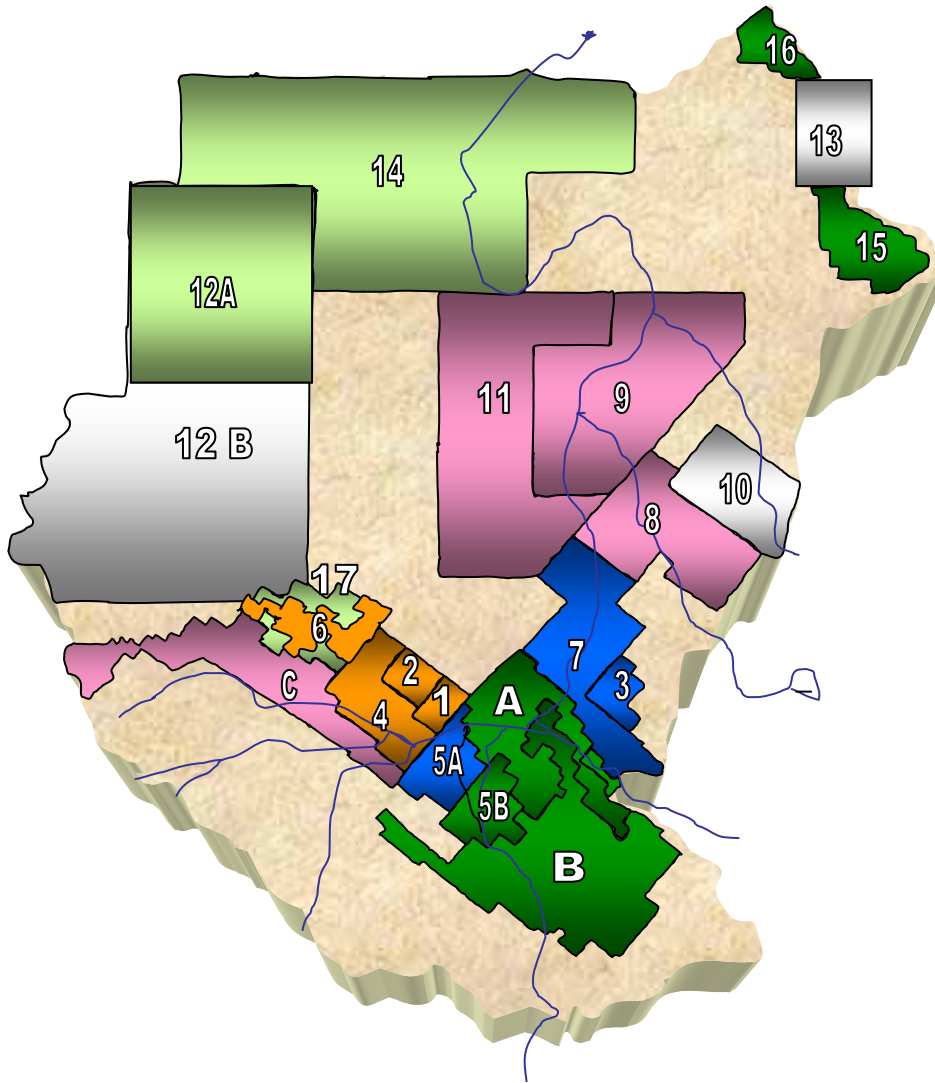
Overview of Tank Area

Sudan is working to become a significant world oil producer

Foreign companies in petroleum industry in Sudan



Daily Production



Nile blend

291,000

Dar blend

160,000

ALFula

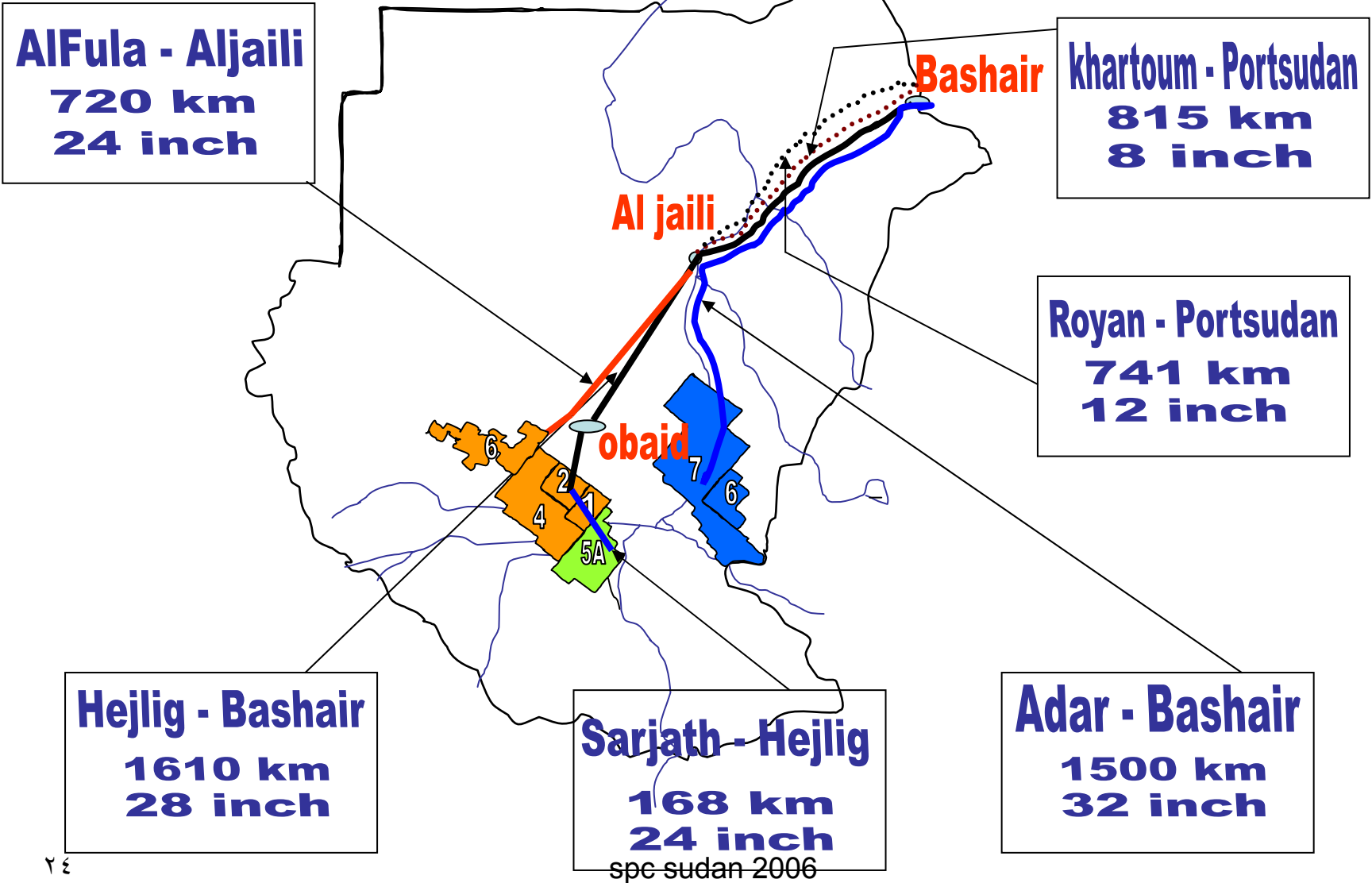
40,000

491,000

spc sudan 2006



Pipe lines : Crude & Products



Marine Terminals



Bashair 1 capacity 3.2 million Barrels

Bashair 2 capacity 3 million Barrels

Khartoum refinery.



100,000 Barrels Per Day

Al Obaid refinery

Established: 1996

Capacity: 15,000 bbi/day

Crude: Nile Blend

15,000 Barrels Per Day



PortSudan Refinery



New Refinery
Strat up: 2009
Capacity: 150,000 bbi/day
Cost: 2.2 Billion USD
Crude: AIFula Blend



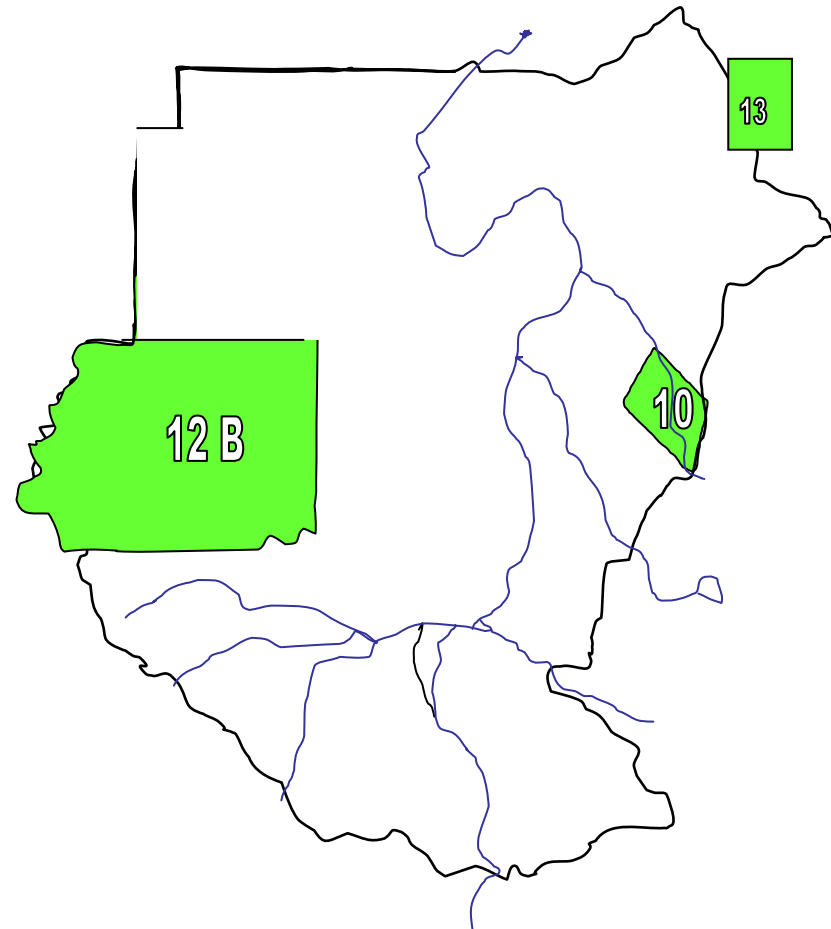
Specific Investment Projects

Upstream:

- Promotion for Blocks 10 ,12B and 13 which are now ready for Bidding

•Future Projects:

- Relinquished areas of different blocks



Specific Investment Projects

Downstream:

- More Pipelines and Refineries to high consumption area

Future Projects:

- Projects related to Natural Gas discovered in **Block 15** and possibly **Block 13** such as:

LPG & LNG Plants, Power Plant, Fertilizer & Petrochemicals

Al-ingas Petroleum Complex



Petroleum Information Center



Petroleum Central Laboratory



BBC Seismic Processing Center



Petroleum Training Center








Petroleum Technical Center



Sudanization



90%	GNPOC	
87%	PDOC	
75%	CNPCIS	
60%	WNPOC	
68%	KRC	

Thank You

