

# The Oil/ Gas Giants Provinces 2015-2030



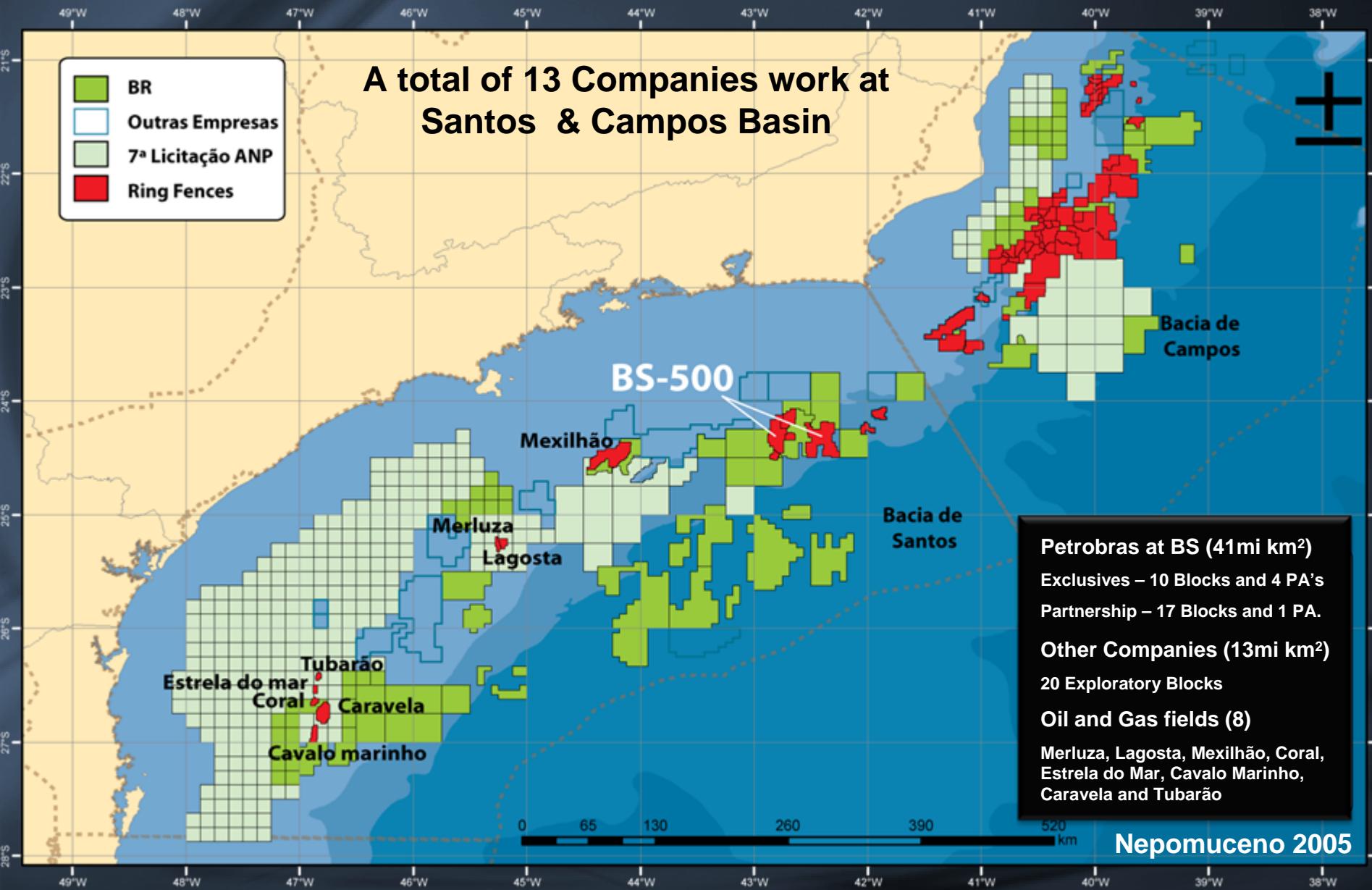
1  
**GREAT CAMPOS**

**PRE-SALT**

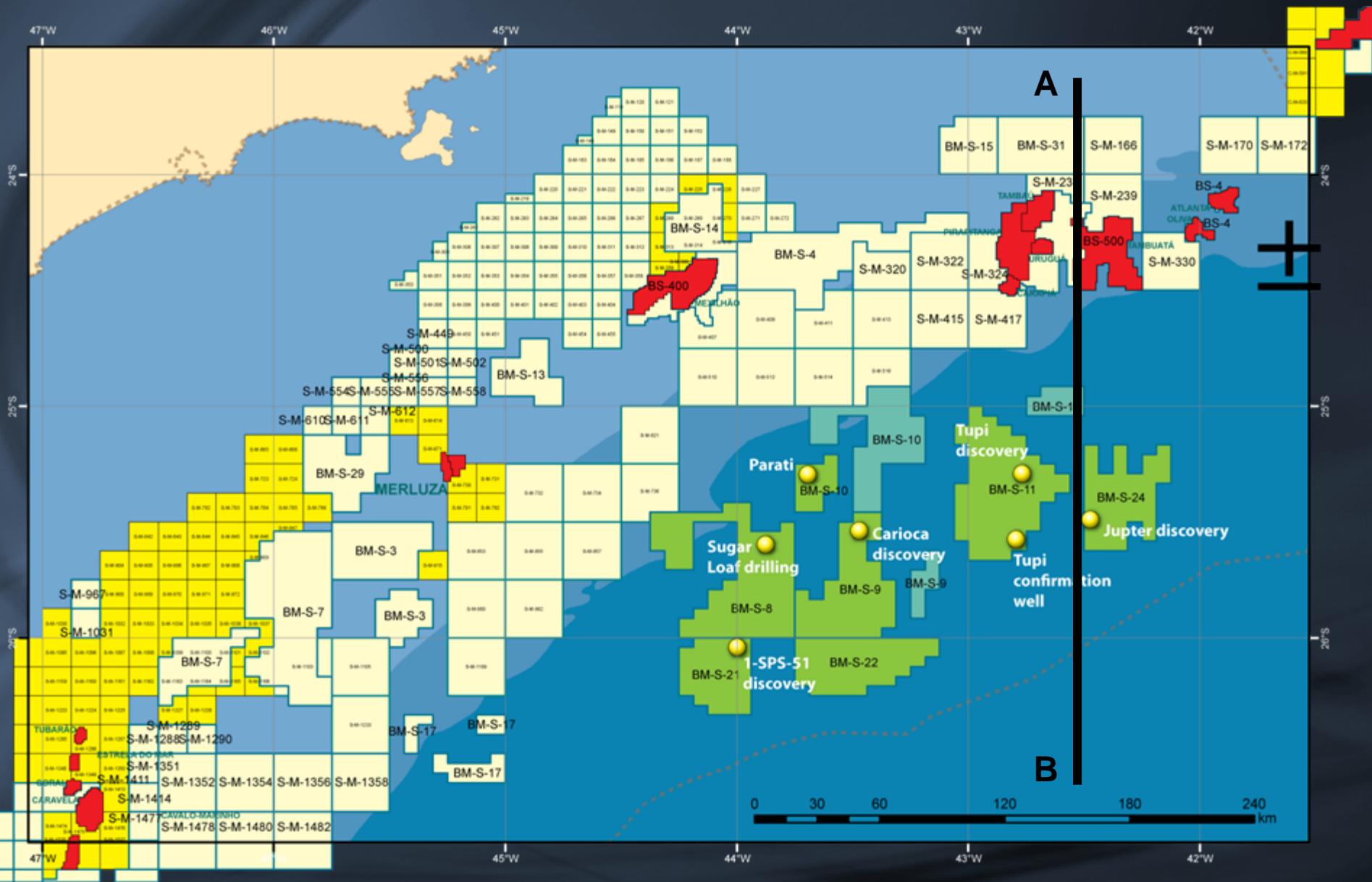
# GO DEPPER!!!! IN BRAZILIAN SOUTHERN BASINS



# Santos & Campos Basin (350mil km area from 0 to 3.000m depth)



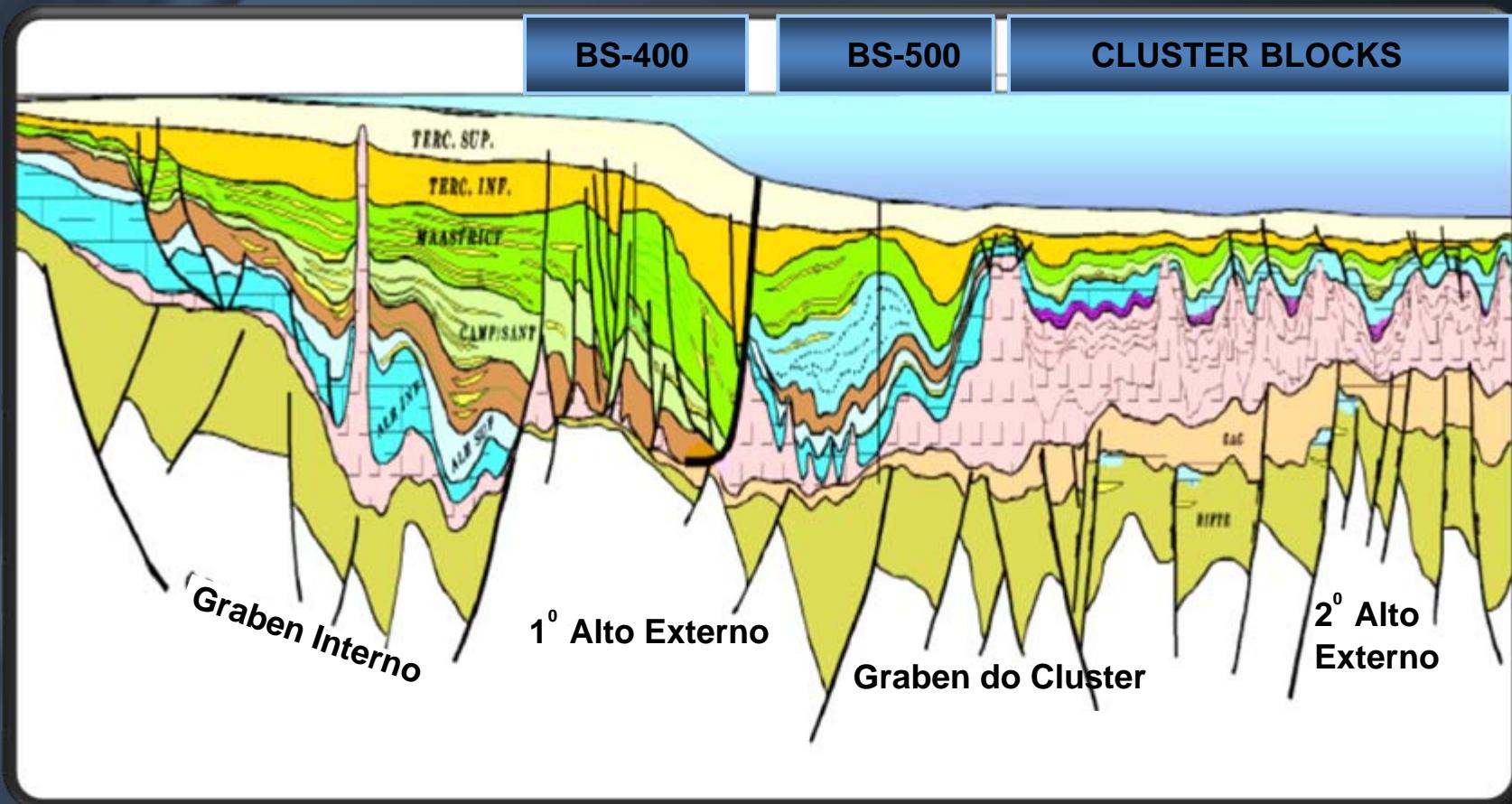
# THE PRE-SALT DISCOVERIES



# PRE-SALT IN THE SANTOS BASIN

A

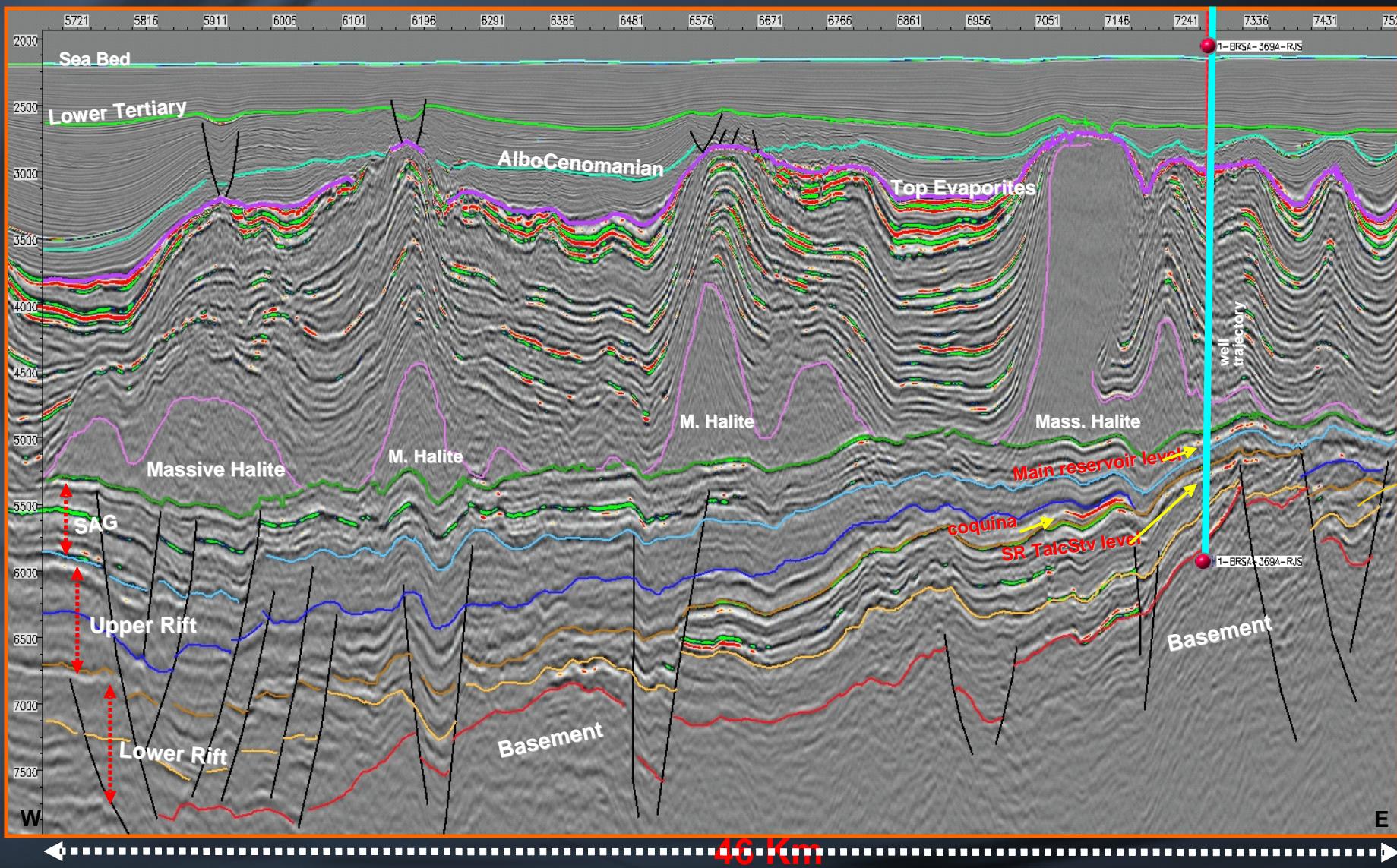
B



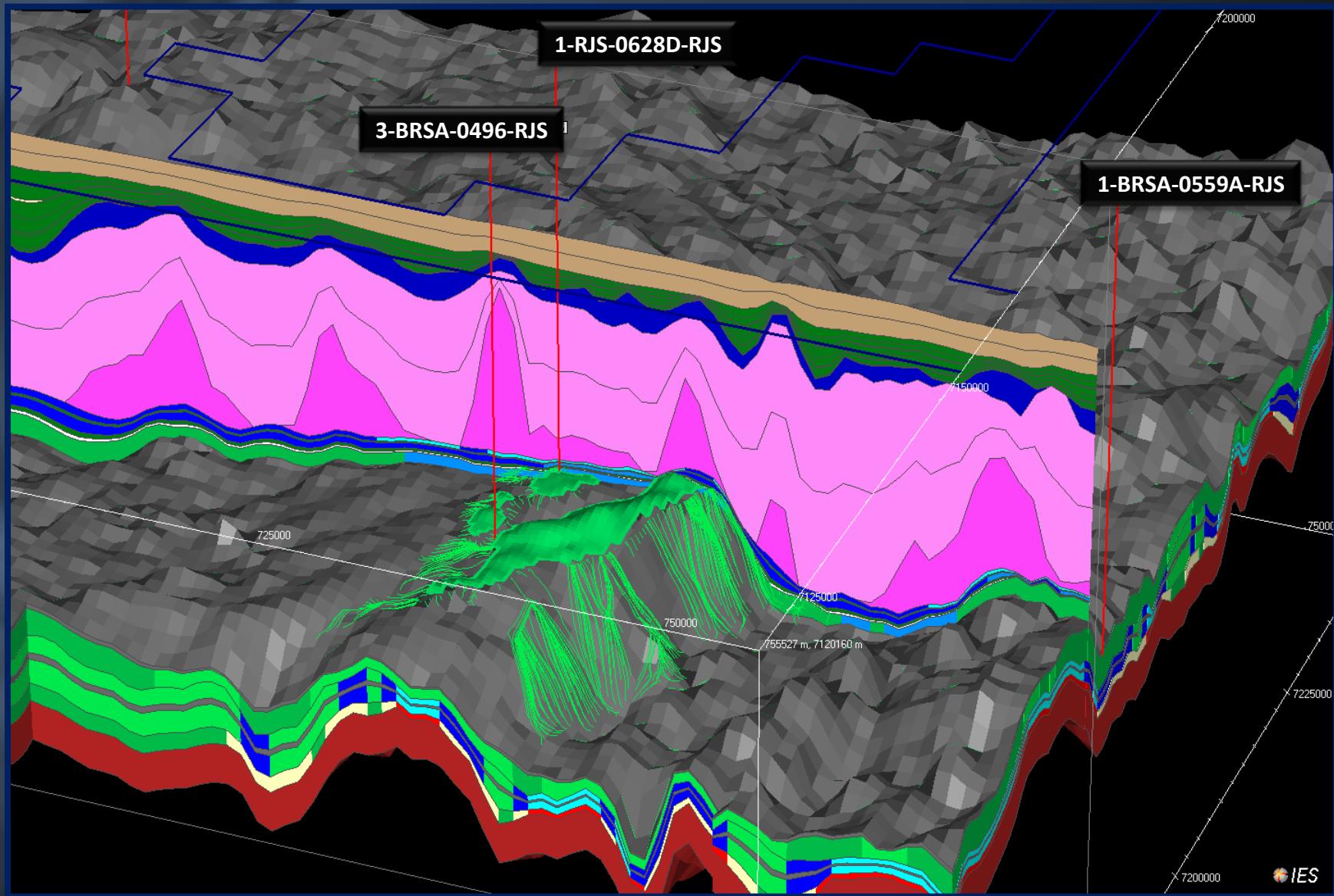
Petrobras 2006

# SEISMIC SECTION IN DEPTH : THE TUPI HIGH AND THE MAIN SOURCE AND RESERVOIRS HORIZONS, SANTOS BASIN

Tupi

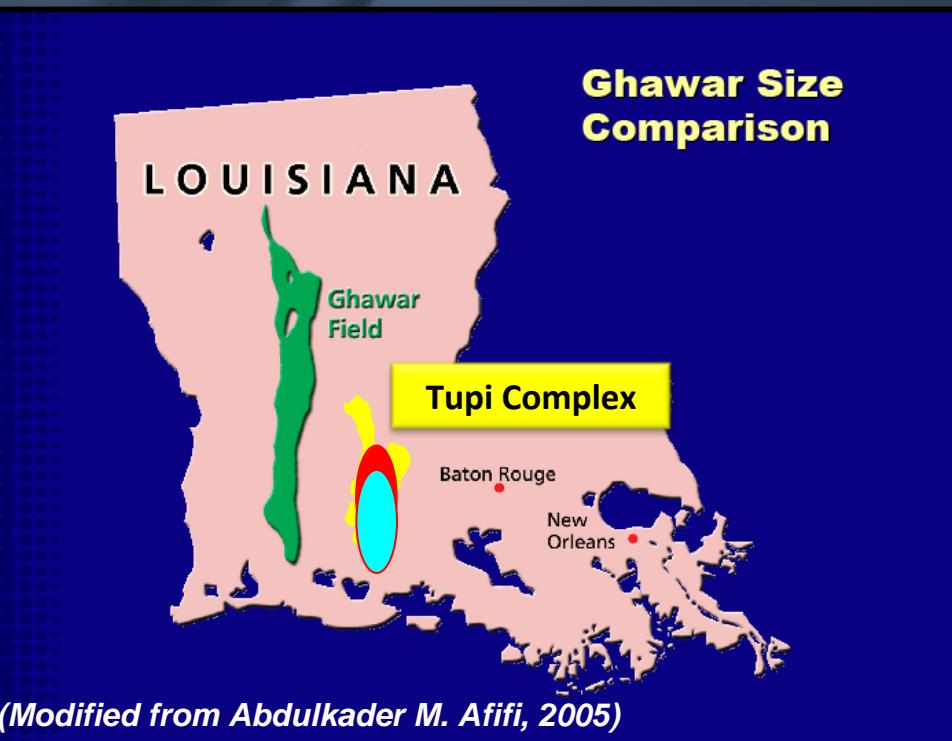


# TUPI OIL FIELD



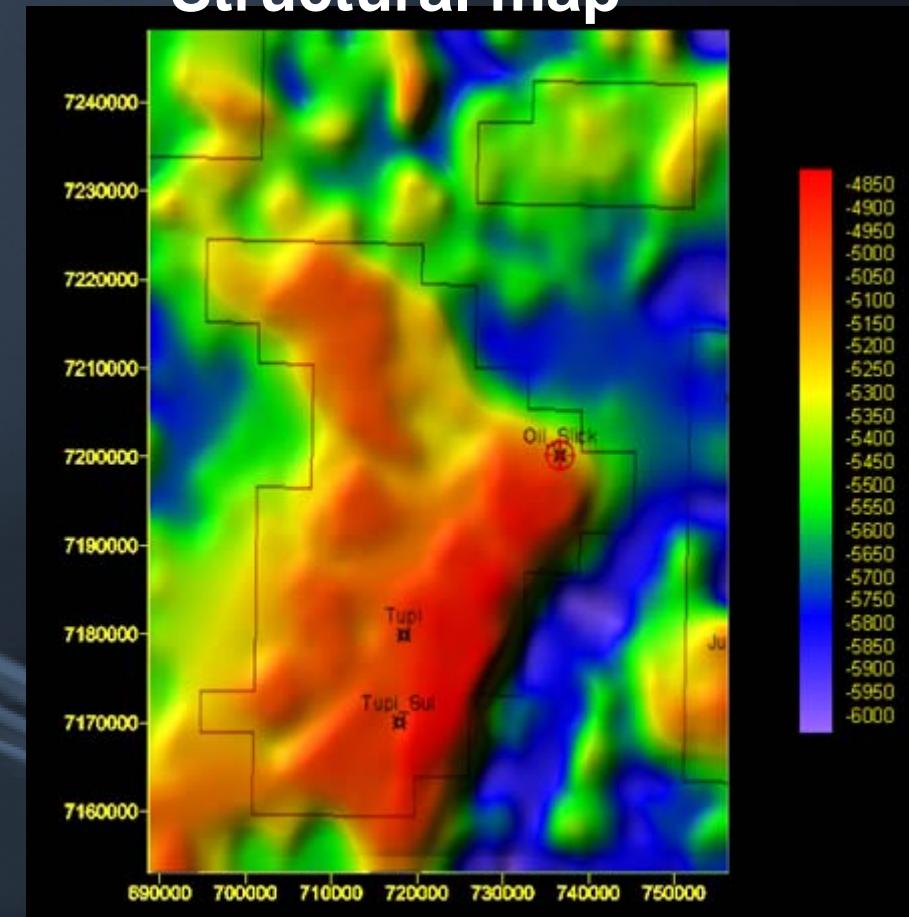
# Tupi x Gawar Oil Field maps

Structural map



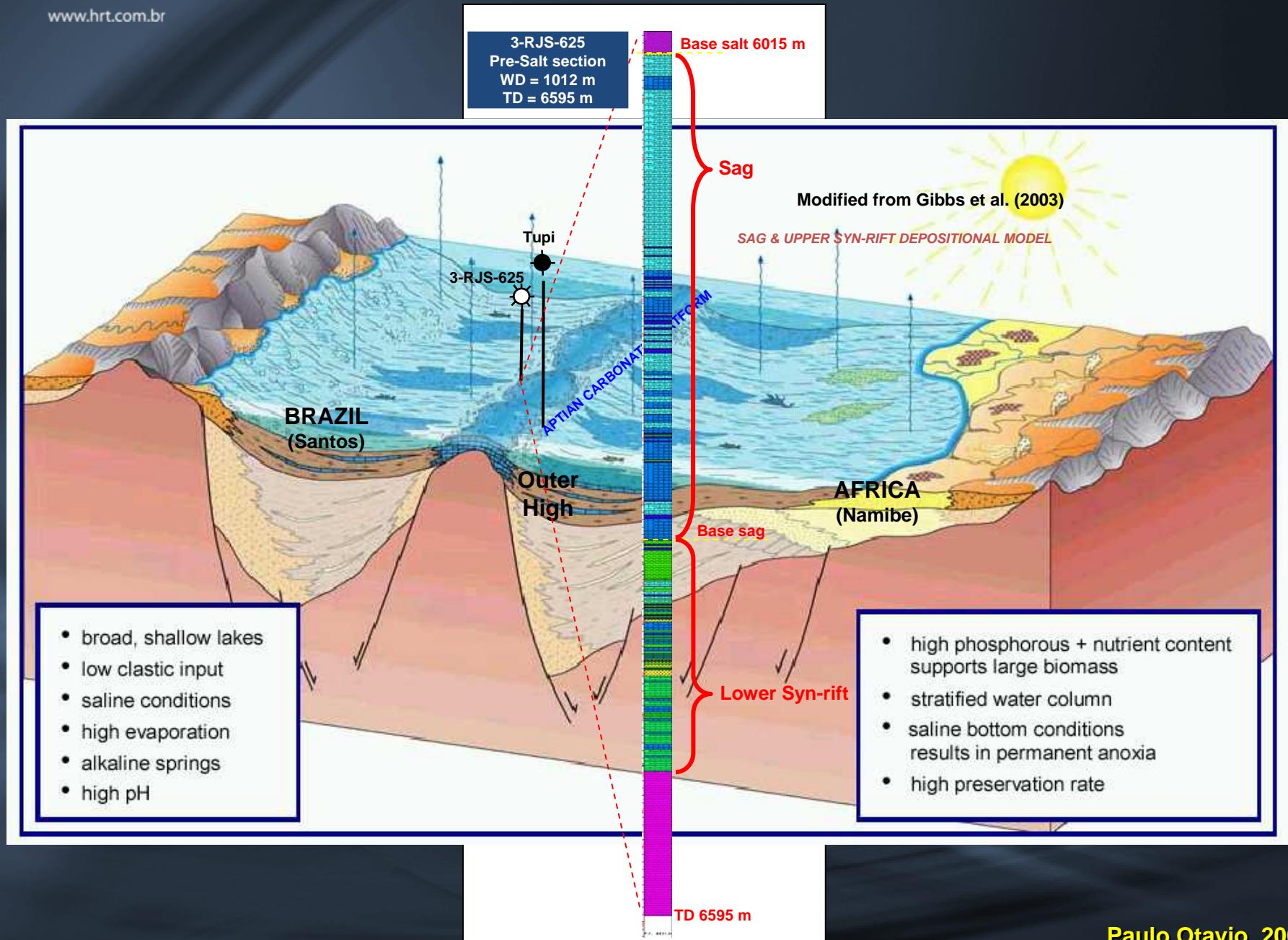
**GAWAR FIELD: 2050 M<sup>2</sup>**

**Production: 5 mm bbl/d**



**TUPI FIELD: 1240 Km<sup>2</sup>**

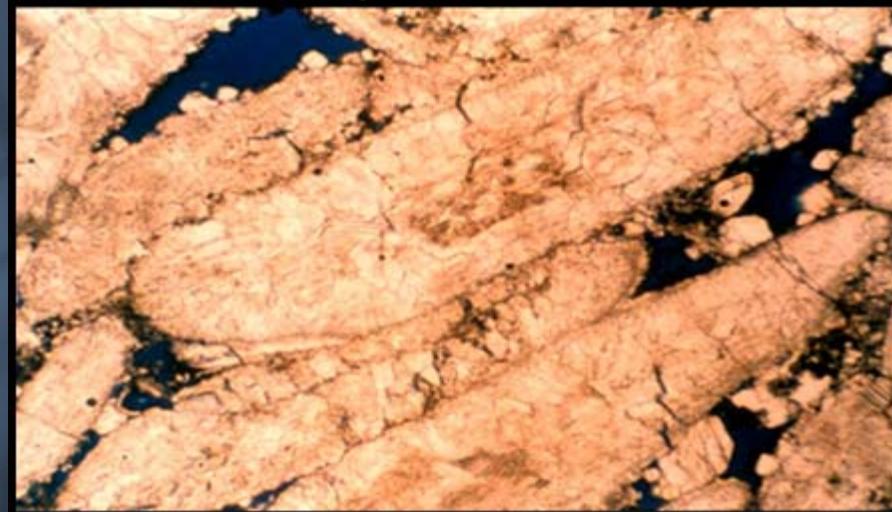
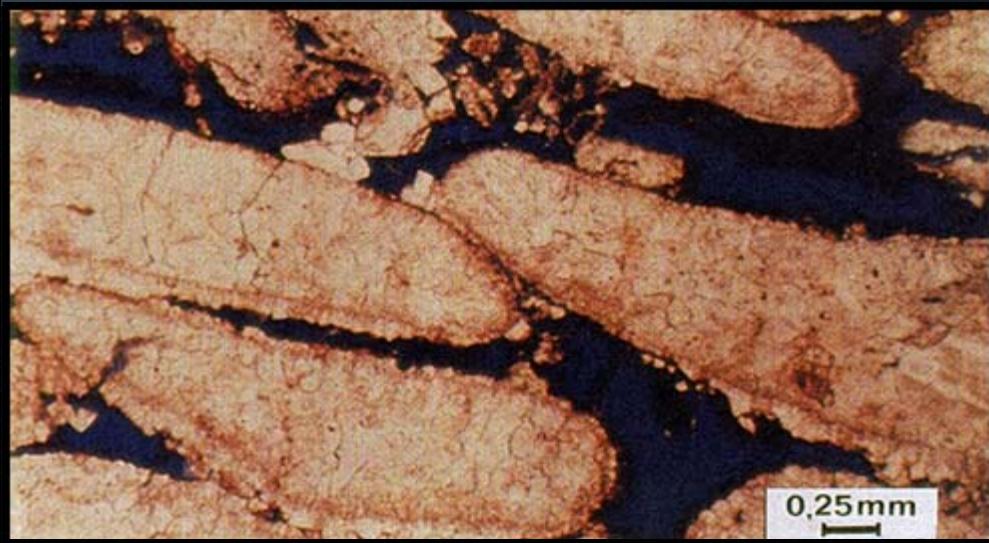
**Production: ? mm bbl/d**



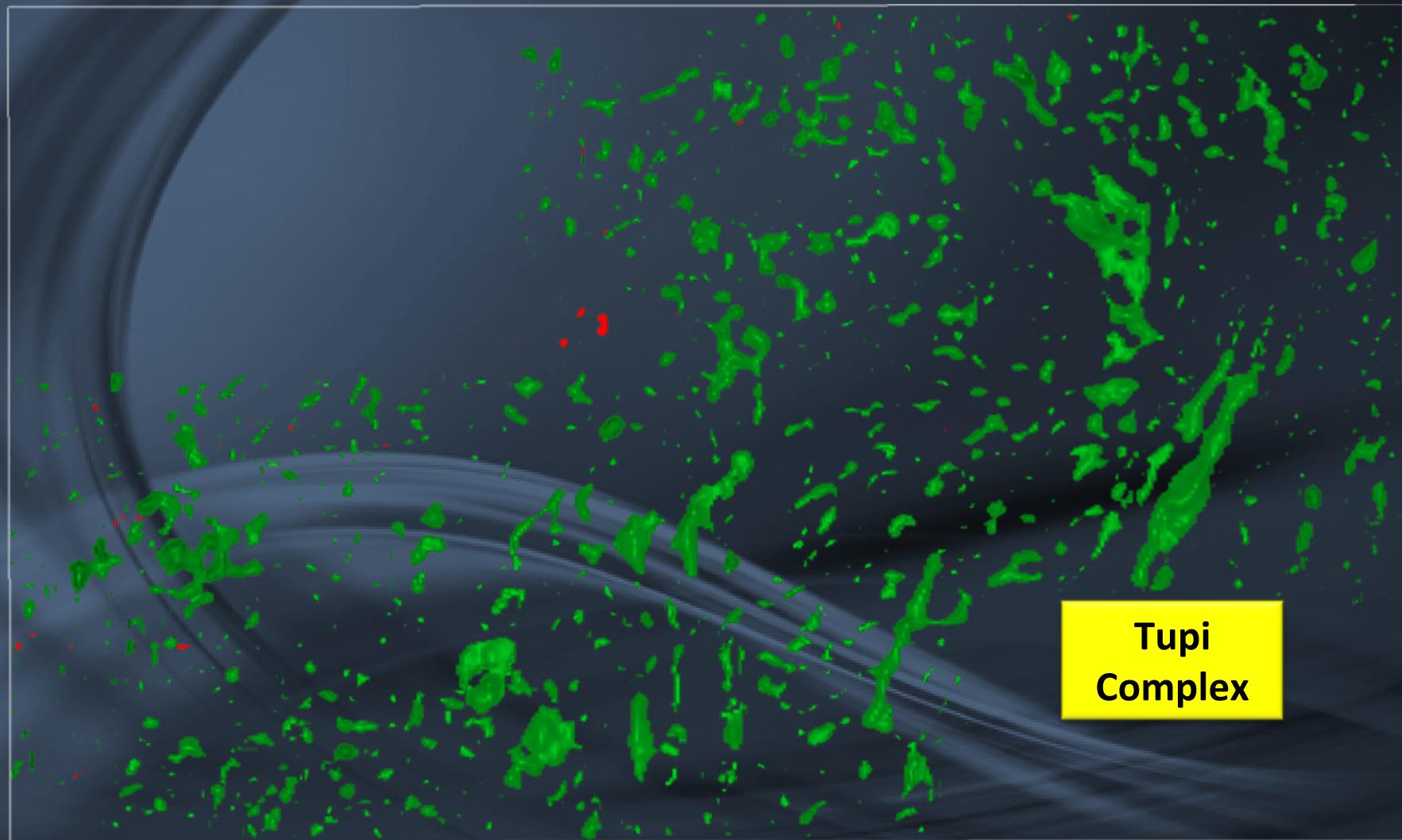
# MACROSCOPIC VIEW OF STROMATOLITE RESERVOIRS, TUPI FIELD, SANTOS BASIN



# MACROSCOPIC & MICROSCOPIC VIEW OF COQUINAS RESERVOIRS, CAMPOS BASIN

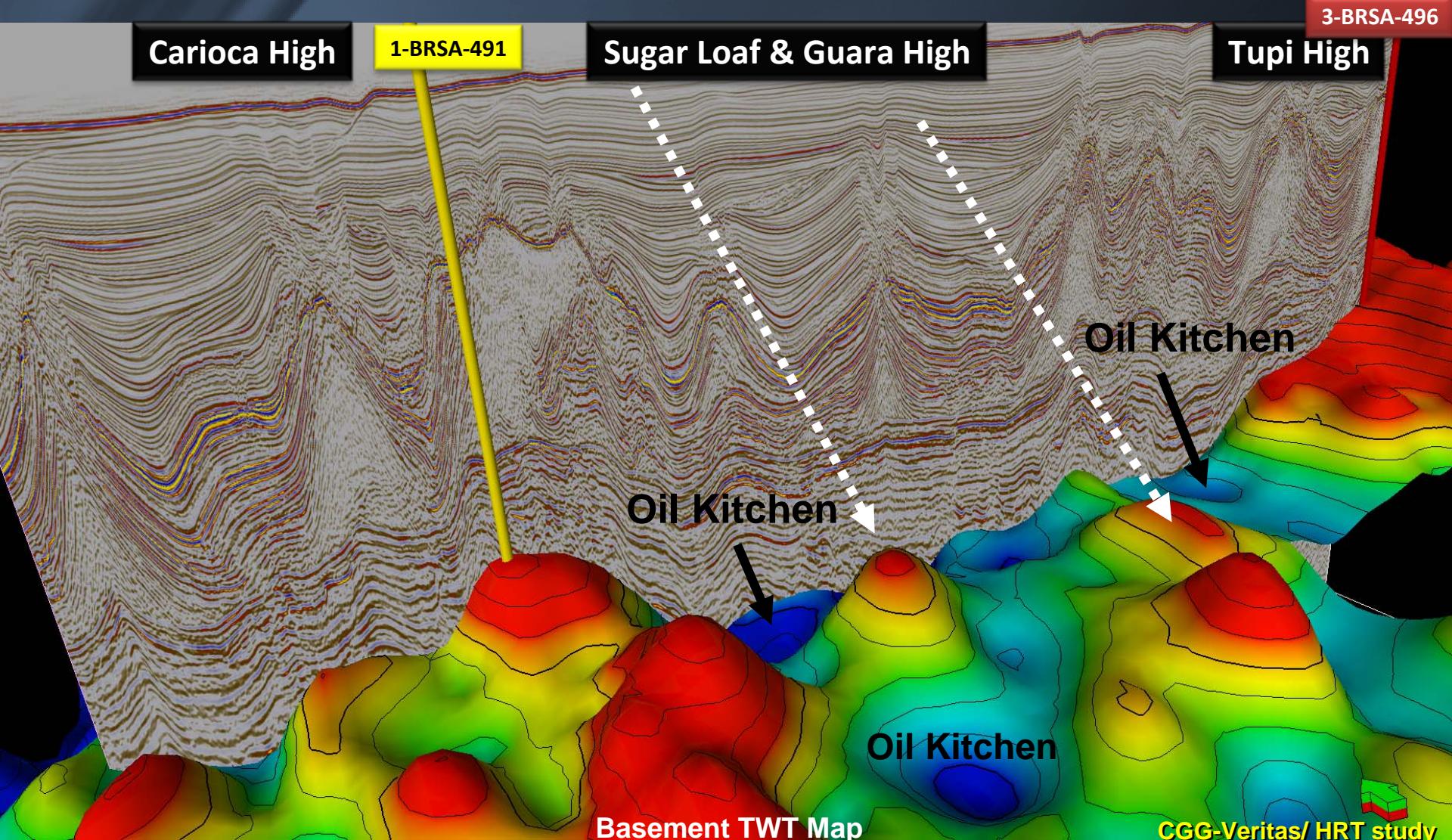


# PRE-SALT ACCUMULATIONS (POTENTIAL SAG RESERVOIRS LEVELS)

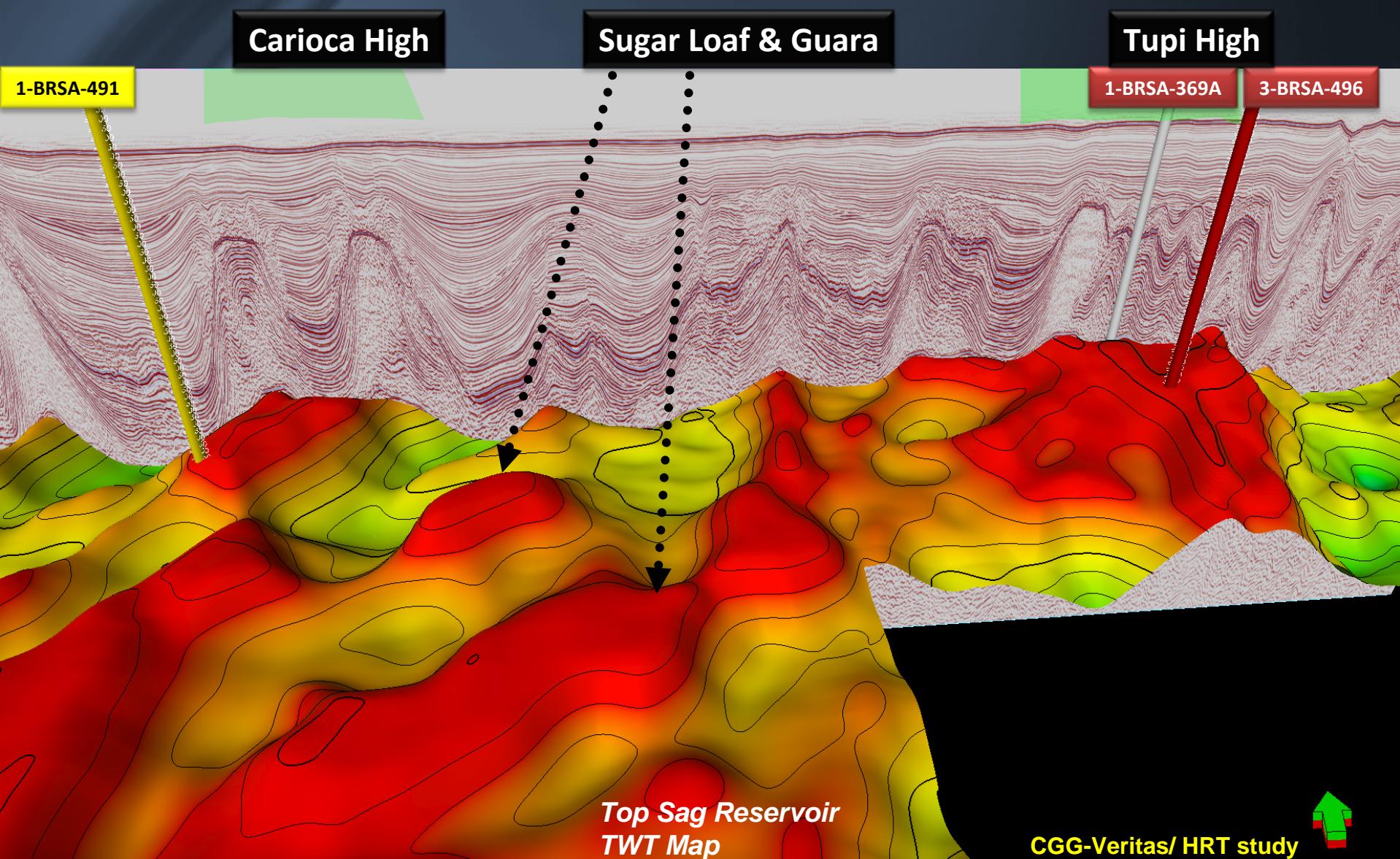


RESULTS POINTS TO ABOUT 20-30 BBBLS OF RESERVES HC'S IN PRE-SALT

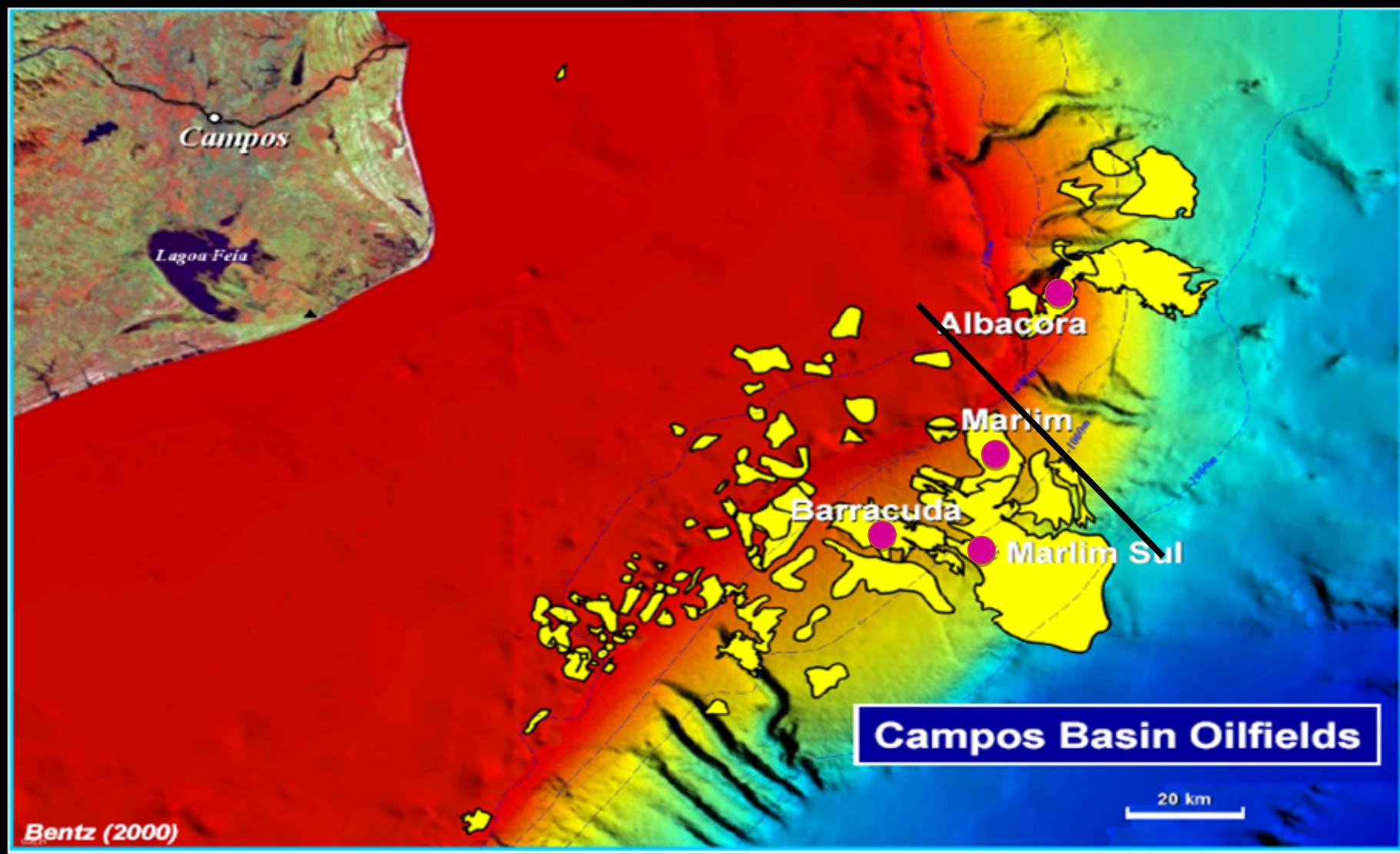
# Main Pre-salt Oil Discoveries in Ultra Deep Water Santos



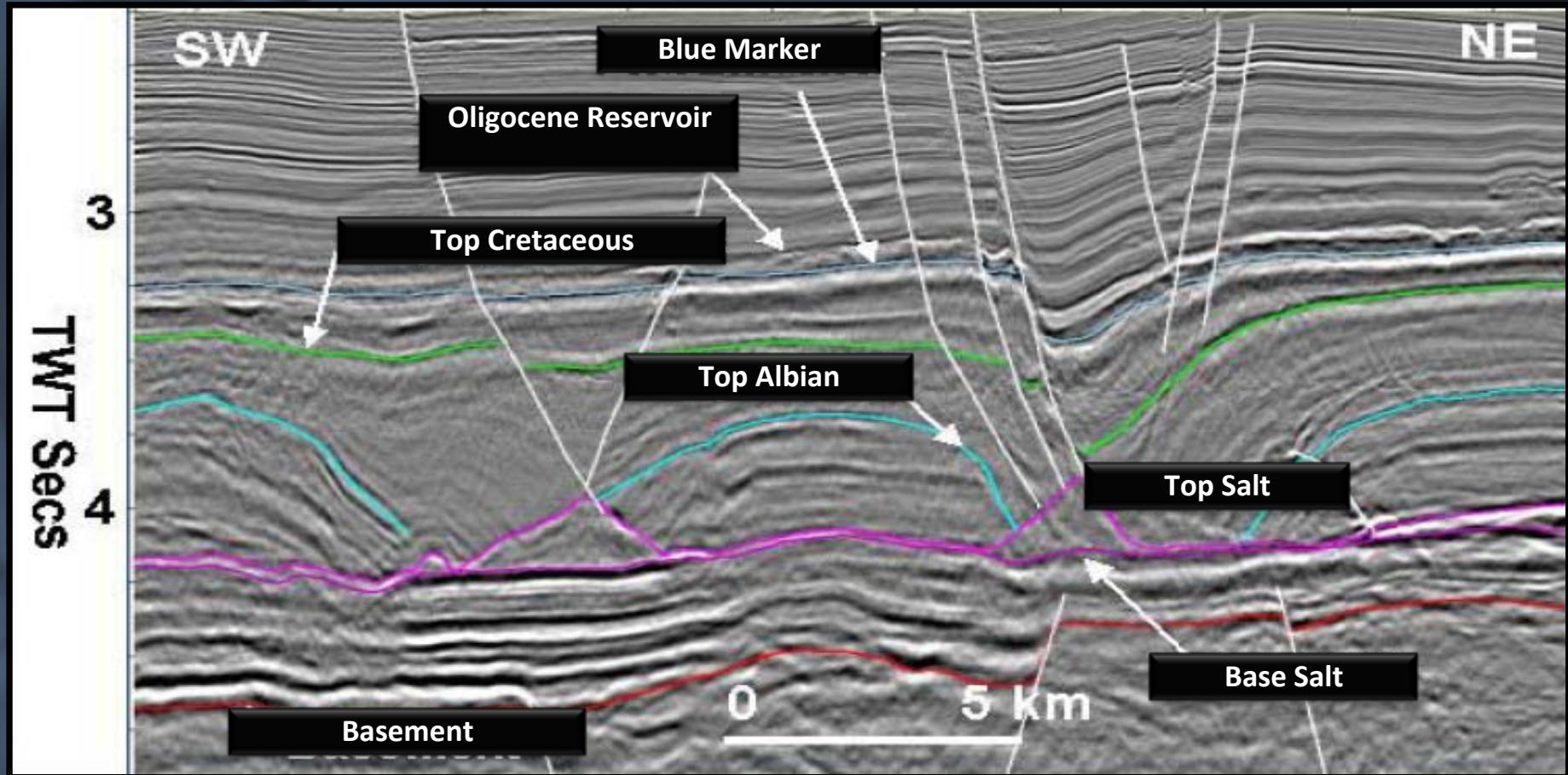
# Main Pre-salt Oil Discoveries in Ultra Deep Water Santos



# Main Oil Occurrences at Campos Basin

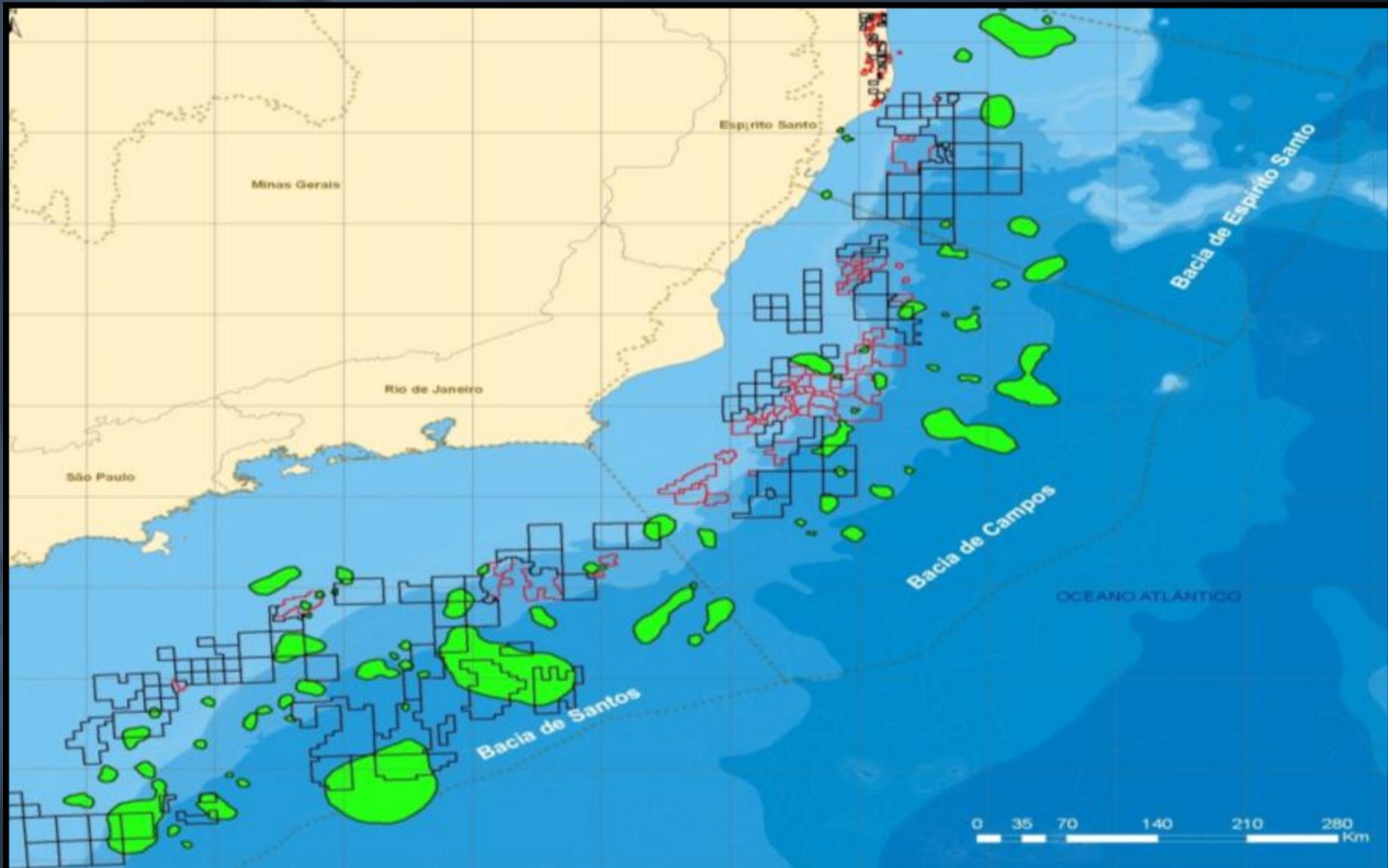


# MARLIN FIELD POST-SALT



Fainstein 2004

# THE PRE-SALT HYDROCARBON POTENTIAL OF THE GREATER CAMPOS BASINS



# EXPLORATION EFFORTS (BRAZIL X EUA)

Brasil x EUA

9 a 10 mil



17.430 (1981)



Exploration Wells (Average)

Exploration Wells (Maximum)