

BASIN AND PETROLEUM SYSTEMS MODELING IN **CENTRAL/NORTHERN** CAMPOS AND ESPÍRITO **SANTO BASINS**

PGT – Petroleum Geoscience Technology

December, 2004



Table of Contents

Executive Summary	5
1. Introduction	7
2. Geolocig Background	11
2.1. Tectonic-Stratigraphic Evolution of the Campos Basin	11
2.2. Stratigraphic Evolution of the Espírito Santo Basin	18
2.3. Petroleum Systems of Campos and Espírito Santo Basins	23
3. Gravimetric Analysis	29
3.1. Data Base and Methodology	29
3.2. Interpretation of Structural Framework and Tectonic Evolution	29
4. Basin and Petroleum Systems Modeling	41
4.1. Input Data and Methodology	41
4.2. Modeling Results	46
5. Conclusions and Exploratory Implications	53
6. References	55