

REVIEWING THE STRATIGRAPHY AND TECTONICS OF SÃO FRANCISCO BASIN (BRAZIL).

BRAUN, O. P. G., GEODATUM, Rio de Janeiro, BR.

In the last twelve years, the studies for oil & gas exploration in São Francisco Precambrian Basin, based on geologic mapping, geophysics and drilling, produced a valuable amount of more accurate data about structures and depositional systems. Analyzed into 3D models, these data are unveiling hidden aspects which has been permanent focus of doubts and controversies. Now to recompose the original position of successions of thrust sheets, slid over hundreds of miles, can be tried on more precise basis. Structural and stratigraphic arrangements, trends of sedimentation, source areas and the vergence of successive orogenies can be appreciated on the 3D models and sections presented here. As for instance, is possible to deduce that an orogenic belt, at the present southeastern basin's border, limited the pre-Bambui ocean and Bambui group represent an overflow of carbonatic system from that ocean over the continent, forced by diastrophic compression from the west.