

## **DATA MARKETED BY ROBERTSON**

### **Petroleum Geological Evaluation of Uruguay (2012)**

This study provides insight into the prospectivity of Uruguay, utilizing a combination of new data from Uruguay fieldwork, Robertson's in-house data, seeps data from NPA Satellite Mapping and public domain geological maps.

The study aims to:

- Understand the history of the opening of the South Atlantic and sediment supply to offshore Uruguay
- Provide onshore to offshore tectonostratigraphic integration, including Robertson's independent assessment of the Uruguayan margin using ANCAP supplied seismic data
- Provide a suite of new analyses based on outcrop, core and cuttings samples
- Use Robertson's Plate Wizard deformable plate model to develop an understanding of the timing, force and direction of rifting
- Integrate Plate Wizard model results and tectonostratigraphic events identified in geoseismic sections
- Reconstruct the regional paleogeography and palaeobathymetry, with a focus on elements relevant to prediction of source and reservoir facies
- Provide new insights into the petroleum systems across the sparsely drilled offshore areas of Uruguay

### **Petroleum Geology of Uruguay: Complementary study of the Pelotas, Laguna Marin and Punta del Este Basins (2014)**

This study is based on new fieldwork as well as new analysis of core pieces and ditch cuttings from onshore and offshore wells, and outcrop locations.

The study includes:

- Gaviotin & Lobo offshore wells
  - Biostratigraphic and petrographic analyses
  - QEMSCAN quantitative mineralogical analyses
  - Integration with wireline logs and existing data
- Onshore wells and outcrops
  - Biostratigraphic and petrographic analyses
  - QEMSCAN quantitative mineralogical analyses
  - Geochemical analyses
  - Integration with wireline logs and existing data
- Analysis and interpretation of regional gravity and magnetic data onshore and offshore
- Analysis and interpretation of ANCAP gravity and magnetic data offshore
- Interpretation of new and previous ANCAP seismic data
- Integration and new interpretations of:
  - Basement control on rift structure, and as a sand source and reservoir
  - Palaeozoic as a source system, a sand source and reservoir

- Relationships between Cretaceous clastics, volcanics and reservoir quality
- Drainage basin history
- History of sand and organic matter fluxes from the paleo-Platte River
- Cretaceous source facies concepts and evidence
- Updated insights into the petroleum systems offshore Uruguay