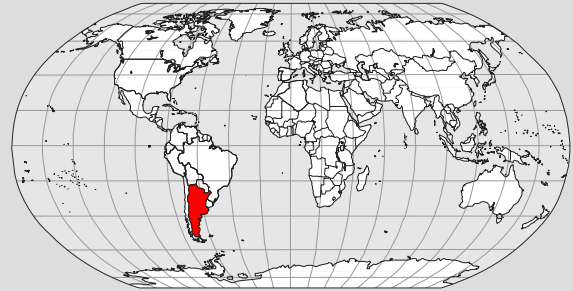


## ONSHORE PRODUCTION FACILITIES – CARINA & ARIES Tierra del Fuego, Argentina – TOTAL AUSTRAL



### Main Facts

- **Gas Processing Capacity:** 14 MMSCMD (494 MMSCFD).
- **Liquids Processing Capacity:** 1.500 m<sup>3</sup>/d (9.430 bpd).
- **Schedule:** October 2003 - November 2005

### Facilities

- Receiving Facilities: Slug Catcher
  - MEG Regeneration from Flowlines, Storage & Export to Platforms
  - Gasoline Stabilization
  - Gasoline Storage
- Utilities (heating oil, fuel gas, etc.)

### Scope

- Conceptual Engineering
- Basic Engineering
- Equipment Modules Optimization Study

### Highlights

- Fire zones allocation & distribution study for the new facilities in Río Cullen and Cañadón Alfa plants
- Detailed hydrate formation study (required because of low process temperatures and extremely cold ambient conditions in sub-sea pipelines)
- Dynamic study of packing-depacking valves



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