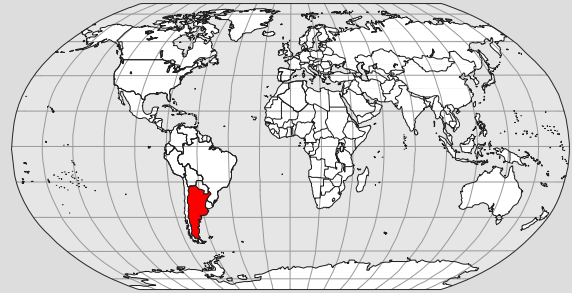


CONTAMINANTS REMOVAL UNIT - MARÍA INÉS

Maria Inés Field, Santa Cruz, Argentina - PETROBRAS ENERGÍA



Main Facts

- Inlet contaminant Levels:
3000 PPM
- Outlet contaminant Levels:
200 PPM
- Liquids Processing Capacity:
1100 m³/d
- Schedule: April 2005 – June 2006
(15 months)

Scope

- Engineering
- Procurement
- Construction
- Precommissioning & Commissioning
- Start Up Assistance
- O&M Assistance

Facilities

- Chemical and diatomeas injection system
- Filtration
- Diatomeas dispersion tank
- Reinjection pumps
- Tanks
- Auxiliary systems
- Nitrogen Units

Highlights

- Mercury amount decreased from petroleum flow until reaching commercially acceptable levels throughout a chemical reaction, adsorption phenomena and filtering of diatomea ground
- This is the first industrial scale size plant using this technology
- More than 5 years of normal operation



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