

# BassGas Project

## PROJECT DETAILS:

Location:	Offshore: Bass Strait Onshore: Lang Lang Victoria, Australia
Contract Value:	A\$390,000,000
Contract period:	November 2001 - December 2004
Safety Statistics:	Man hours: 1,674,556 LTIFR: 0



## CLIENT: Origin Energy Resources Limited

### Scope of Work:

In early 2000, Clough was contracted by Origin Energy Resources on behalf of the BassGas Joint Venture to carry out engineering, procurement, transportation, construction, installation and commissioning services for the BassGas Project.

The project involved bringing gas to shore from the Yolla field located 147 kilometres off the coast of Victoria in 80 metres of water. The gas is then processed at a new gas plant located near Lang Lang, 70 kilometres south of Melbourne, producing 67 terajoules/day of sales gas, 3,700 barrels/day of condensate, 166 tonnes/day of propane and 95 tonnes/day of butane.

The development is expected to supply about ten percent of Victoria's natural gas needs for the next 15 years.

Clough's overall scope of work included:

- Engineering of the offshore platform, gas plant, subsea pipeline, shore crossing and onshore pipeline.
- Procurement of all gas plant and offshore platform equipment/materials including 180 kilometres of 14 inch ERW pipe.
- Fabrication and installation of an unmanned offshore platform.
- Construction of a 1.4 kilometre x 14 inch directionally drilled shore crossing near Kilcunda.

### Scope of Work:

- Transportation of the offshore platform and pipeline materials to Victoria.
- Installation of 147 kilometre x 14 inch subsea pipeline.
- Construction of 33 kilometre x ten inch onshore sales gas pipeline and associated smaller pipelines.
- 75MMSCFD onshore gas plant
- Construction of 32 kilometre x 14 inch onshore raw gas pipeline.
- Fabrication and construction of the onshore gas plant facility.
- Power generation installation of 5 x 1370kW Cummins GEA and 1 x 800kW DEA.
- Pre-commissioning all facilities.



- Commissioning and ramp-up assistance.
- Mechanical completion including hook-up of offshore facilities, pre-commissioning and handover of systems offshore
- Mechanical completion, pre-commissioning, commissioning and handover of systems onshore