

Otway Project - construction I

Buttress-I Site

The Buttress-I Well

The well was drilled in 2002 and when it was found rich in CO₂ it was decommissioned.

Production well tests were carried out in June 2006.



Gas Processing and Compressor

When the Buttress-I well tests revealed a higher methane (CH₄) content (20%), the initial purification plant design to purify the extracted gas was abandoned.

The Buttress production wellhead is connected to the Buttress-I Surface Plant which comprises three different units:

- the process skid includes a 'suction scrubber' to remove free liquids, filters to remove solids and water bath heater to prevent hydrate formation;
- a compressor overcomes pipeline pressure losses and provides additional pressure; and
- an after cooler regulates the temperature of the process stream for the pipeline.



Above: surface plant and production well, process skid, compressor.

Pipeline



Above: Horizontal directional drilling
Below: Pipeline trenching and testing

The pipeline was installed between December 2007 and January 2008. It is 2.25km long, stainless steel and 50mm in diameter.

The construction of the pipeline was treated as a gathering line under the Victoria Petroleum Act and an exemption from the Pipeline Act was granted.

