

Barrow Island Oilfield Development

PROJECT DETAILS:

Location:	North West Shelf, Western Australia
Contract Value:	A\$2.5 million (1966)
Contract Period:	January 1966 - January 1967



Key Aspects

- ✓ First significant petroleum resource development in the north west of WA
- ✓ Major logistical challenges: limited infrastructure and local labour in the region

Project Highlights

- ✓ Established a pipewelding facility on Barrow Island
- ✓ Sourced skilled pipewelders from USA to train local welders

CLIENT: Western Australian Petroleum Ltd (WAPET)

Scope of Work:

The Barrow Island Oilfield Development was one of the first significant petroleum resource development projects undertaken in the north west of Western Australia. When Harbourworks Clough was contracted to construct a submarine pipeline and marine terminal for Western Australian Petroleum (WAPET), there was little infrastructure and few services in the region.

With limited road and sea transport to site and a minimal local workforce, Harbourworks Clough established a pipewelding facility on Barrow Island to weld pipe into strings approximately 700 metres in length. Each string was connected by a flanged and bolted joint on the seabed.

At the time it was necessary to source skilled pipewelders from the USA to train local welders and to strengthen Harbourworks Clough's construction team.

The ten kilometre long, 508 millimetre diameter pipeline terminated in a multi-buoy mooring, and flexible hoses were attached to the end of the line for connection to ocean tankers.