

Roma to Brisbane Looping - Stage 4

PROJECT DETAILS:

Location:	South West Queensland, Australia
Contract Value:	A\$9 million (2000)
Contract Period:	3 months
Safety Statistics:	Manhours: 92,294 LTIFR: 0



CLIENT: AGL Construction

Scope of Work:

Clough, in joint venture with AJ Lucas, were contracted to perform this project under the AGL-Clough Lucas Alliance. The project was undertaken as part of AGL's ongoing programme of looping the existing 250mm diameter Roma to Brisbane pipeline system, originally constructed in 1968.

The new pipeline consists of four loops where the existing 250mm diameter pipeline was duplicated by the installation of a parallel 400mm diameter pipeline. The total length of pipe installed was 51km. At the end of each loop the new pipe was tied into the existing line.

The four new loops were installed in vastly different terrains:

- Loop No.1 and 2 were 13km and 8km long respectively and were located in open forest and cultivated areas where no major construction difficulties were encountered.
- Loop No.3 was 17km long and involved installation over the Toowoomba Range and through residential areas;
- Loop No.4 was 11km long and involved installation through some of Ipswich's busy city streets, residential areas and across open grazing land.

Many challenges were overcome during the project period, including a very restrictive construction working area due to a tight 15m wide easement.

The project was successfully completed with a construction team that peaked at 120 personnel.