

CASE STUDY

COOPER BASIN PIPELINES

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VERTECH

INTRODUCTION

Vertech completed a successful pipeline inspection project spanning from Ballera in southwest Queensland to Moomba in South Australia. The scope involved assessing interconnecting flowlines ranging from 3" to 8" in diameter, ensuring integrity across critical infrastructure within the Cooper Basin.

PROCESS

The team employed a combination of conventional film processing, Rigaku external X-ray systems, and JME crawler systems. To enhance efficiency and turnaround, mobile truck-mounted labs were utilised. These advanced radiographic techniques enabled thorough inspection of welds and pipeline materials, identifying any imperfections before commissioning. This proactive approach is essential in safeguarding the extensive gas reserves in the Cooper Basin.

OUTCOME

The project was completed on time and within budget. Vertech's precise inspection ensured defect-free pipelines, significantly reducing future risks and maintenance costs. The work supports the long-term reliability of pipeline infrastructure delivering gas to major cities such as Brisbane, Adelaide, and Sydney, contributing to the safe operation of Australia's vital energy network.

