

Operator Australian natural gas producer

Background

In the world’s first project to convert coal seam gas into liquefied natural gas, nine rigs drilled a total of 1,000 wells. Wells producing up to 9,000 bbl/d caused water-related environmental issues. Short operation cycles and frequent rig moves, along with private land drilling, presented challenges. To resolve this, the operator developed a structured, flexible logistics setup and devised HSE campaigns to develop crew competency. Rig-moving was streamlined and equipment resized to establish a lean approach.

Solutions

- Integrated well construction
- LSTK (Lump sum turn-key)
- Factory drilling

Factory Drilling Converts Coal Seam Gas to Liquefied Natural Gas

Integrated well construction efforts maximize profits for customer

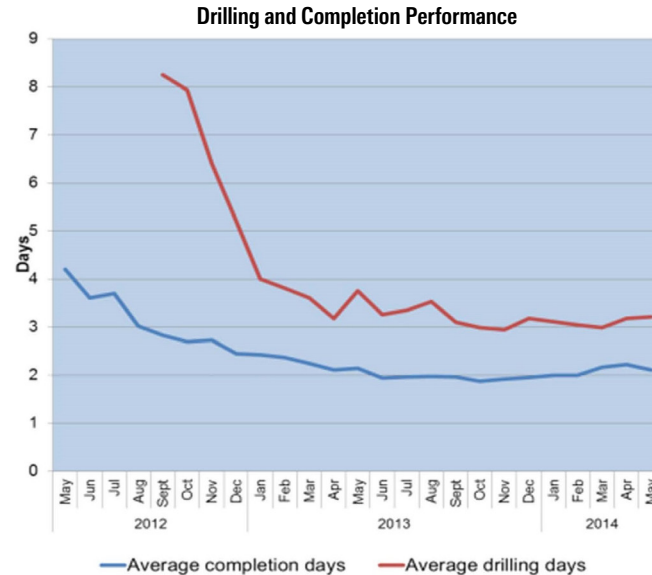


Figure shows the evolution of the drilling and completion times throughout the project. Drilling time dropped from 7 days to an average of 3.2 days. Completion time fell from 6 days to 2 days. A lean approach helped save more than USD 15 million. The process took only 9.2 days from wellbore cleanout trip until pull out of hole (POOH).