



NovaBore™

Lateral wells, Peabody Mine

Case study

Novafast supplied its 7-inch NovaBore™ GRE casing to Lucas Drilling for 12 lateral wells on the Peabody 2025 Campaign at Centurion North Mine, Queensland.

Deployed to 420m TVD/745m MD, NovaBore™ effectively isolated unconsolidated coal seam roofs and kept steel over 3m from the mining horizon. Its slim design allowed drilling an 8.5-inch hole instead of 9-7/8-inch, significantly reducing drilling costs for Peabody and enabling a smaller surface casing.

The challenge

Isolate unconsolidated coal seam roofs and maintain a >3m steel-free zone from the mining horizon during 12 lateral well drillings at Peabody's Centurion North Mine. Traditional methods meant larger, costlier drill holes.

The solution

Novafast's 7-inch non-conductive NovaBore™ GRE casing.

Its composite material inherently met the steel-free zone requirement and stabilized the coal seam. Critically, its slim, 7-inch BTC geometrical design allowed Lucas Drilling to use a smaller 8.5-inch drill hole.



Photographs courtesy of Lucas Drilling

Execution

NovaBore casing was successfully run to 420m TVD/745m MD across all wells, contributing to efficient well construction.

Smaller 8.5-inch drill holes directly saved Peabody substantial drilling costs.



NovaBore™ benefits

[Request a Technical Data Sheet](#)

- Corrosion-resistant GRE/FRP
- Fire-resistant and conductivity available
- Suitable for temperatures up to 93°C
- Lightweight casing
- High external collapse pressures
- High axial tensile load capabilities
- High hydrostatic pressure capabilities
- Screened casings
- Quick and efficient installation
- Dual nylon rod for keylock with dual O-ring seal, threaded, short lengths for ease of handling