ANCILLARY EQUIPMENT

Star Drilling offers a wide range of ancillary equipment with associated services, including:

- Generators
- Pressure washers
- Centrifugal water pumps
- Centrifugal trash pumps
- Compressors
- NDD units
- Grout mixers
- Grout pumps
- Cyclone separators
- Dust suppression mist injectors
- Packer systems NQ, HQ, PQ
- Mono pumps
- 9,000Lt Vacuum truck
- 12,000Lt water truck
- Safe developing manifolds

Pneumatic Permeability Testing (Packer Test)

Star Drilling operators have many years’ experience in pneumatic permeability testing. We offer straddle or single NQ, HQ and PQ sized equipment and have two complete sets, so two rigs can be operated simultaneously.

Single Pneumatic Test Equipment

Single Pneumatic Test Equipment is designed for testing cored holes whilst drilling progresses to greater depths. The pneumatic system is suitable for testing cored holes to a total depth of 700m. When a zone of interest is identified in the retrieved core sample, the drill rods are moved back a suitable distance, such that the deployed packer equipment can be inflated above the zone of interest. Once inflated (using the Nitrogen gas supply), testing of water injection flow rates at various injection pressures can commence. Injection pressure can be controlled via a bypass system on the injection flow meter board.

Star Drilling’ equipment is available for hire and, if required, a suitably trained operator can assist with operations or training of your on-site staff.

Straddle Pneumatic Test Equipment

Straddle Pneumatic Test Equipment is designed for testing specific zones of cored holes once drilling to total depth is complete. The pneumatic system is suitable for testing cored holes to a total depth of 700m. When a zone of interest is identified in the retrieved core sample, the drill rods are moved back a suitable distance such that the deployed packer equipment can be inflated with the two packers straddling the zone of interest. Once inflated, testing of water injection flow rates at various injection pressures can commence. Injection pressure can be controlled via a bypass system on the injection flow meter board - supplied as part of the standard equipment.
SINGLE PACKER OVERVIEW