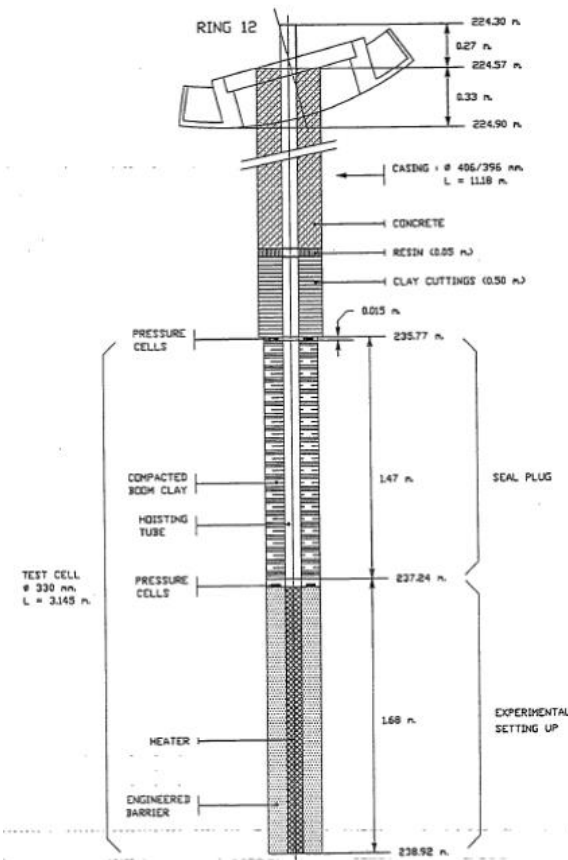
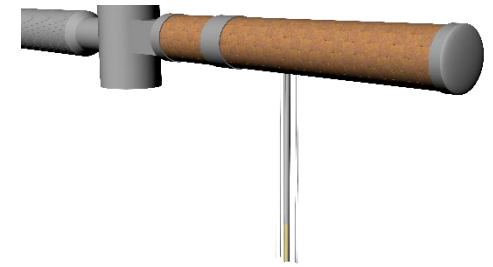


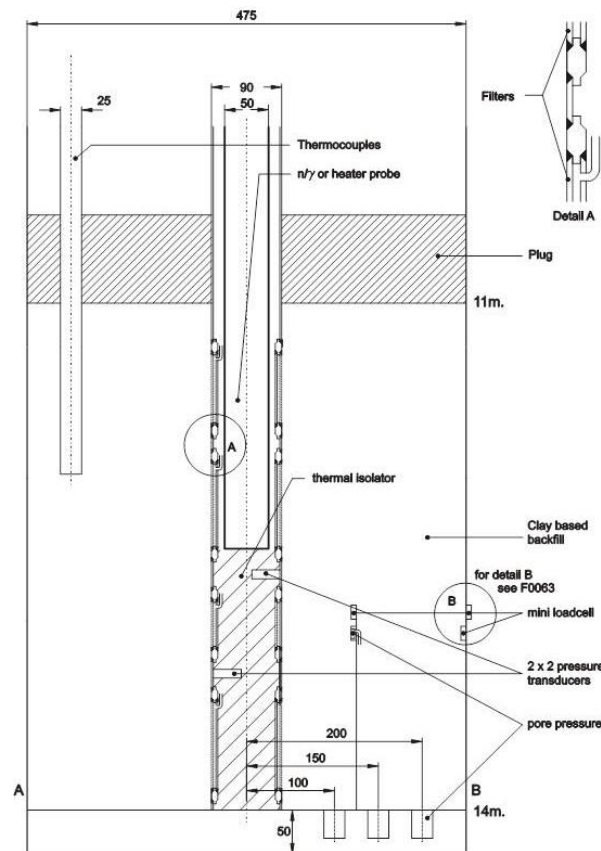
# BACCHUS I & II

1988 - 1995

## BACKfill Control experiment with Hydration for the Underground Storage of radioactive waste



*Experimental set-up BACCHUS I  
(FoCa clay-sand-graphite backfill)*



*Experimental set-up BACCHUS II  
(Boom Clay backfill)*

### GOAL

Demonstration of the applicability of a clay-based backfill material and study its thermo-hydro-mechanical behaviour

**November – December 1988**

Installation of BACCHUS I

**March 1989 – June 1990**

Heating phase BACCHUS I

Monitoring of T, PWP, total stress and moisture

**June 1993 :**

Retrieval of BACCHUS 1

Installation of BACCHUS 2

**July 1993 - September 1995**

Follow-up of the hydration process and hydro-mechanical interaction with the Boom Clay

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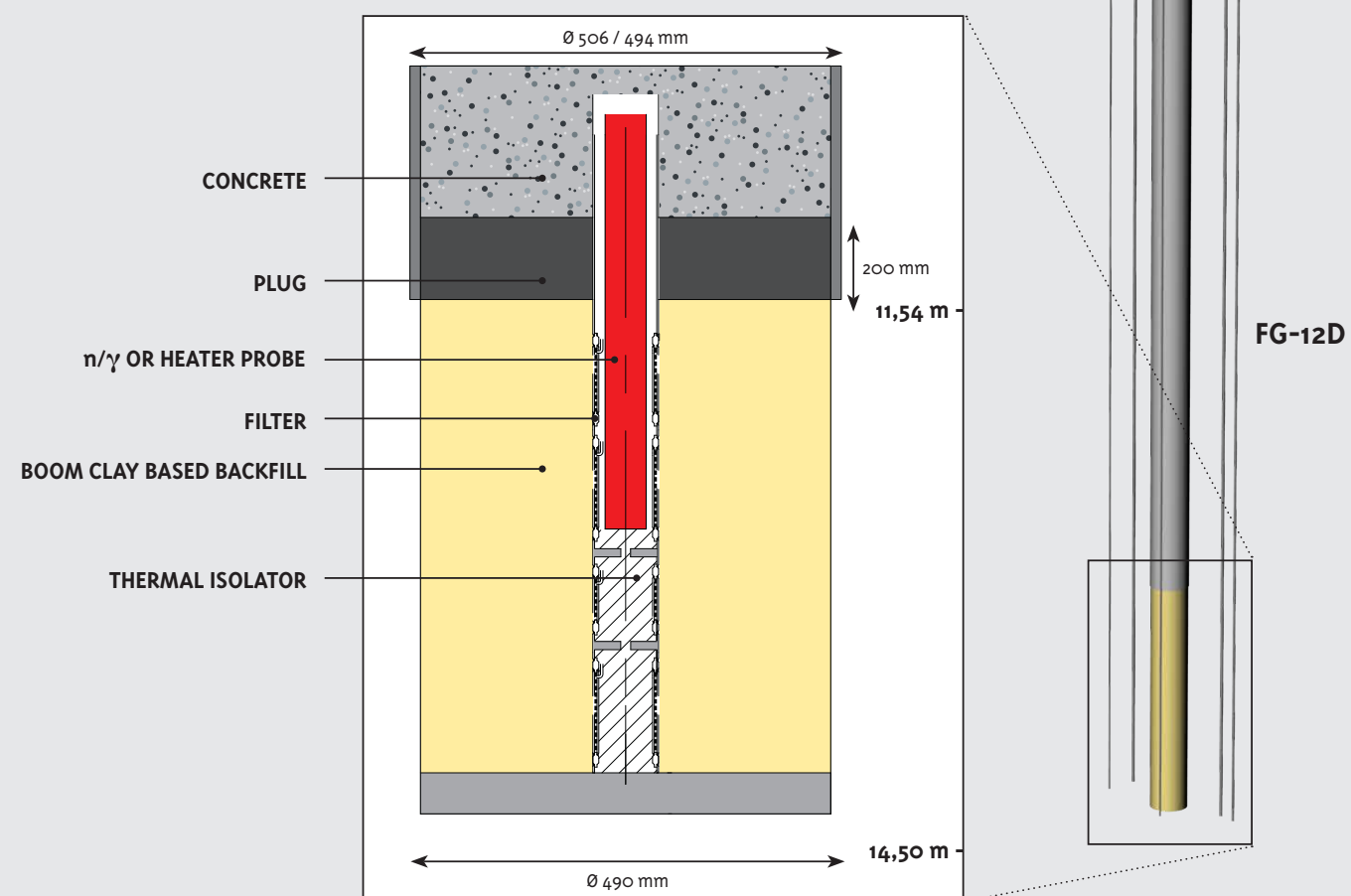
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# BACCHUS I & II

1988 - 1995

## BACKfill Control experiment with Hydration for the Underground Storage of radioactive waste



### GOAL

Demonstration of the applicability of a clay-based backfill material. Study of the thermo-hydro-mechanical (THM) behaviour of the clay-based backfill and its interaction with the clay host rock.

#### November - December 1988

Installation of BACCHUS I

#### March 1989 - June 1990

Heating phase BACCHUS I

Monitoring of T, PWP, total stress and moisture in and around the backfill

#### June 1993

Retrieval of BACCHUS I

Installation of BACCHUS 2

#### July 1993 - September 1995

Follow-up of the hydration process and hydro-mechanical interaction with the Boom Clay

