

**NATURAL GAS STORAGE PROJECT
PECKENSEN GERMANY – PART 3
SUMMARY**

In 1988 an exploratory well was drilled at Peckensen in the former German Democratic Republic (also known as formerly East Germany).

The purpose of this well was to explore the possibility of creating a cavern storage facility at this salt dome.

The well was cored and logged and for 10 years nothing happened.

In 1997, the project "Pilot Kaverne" Peckensen was initiated. Within the following year, the design and construction of the cavern well completion and the leach plant, inclusive water supply and brine disposal was completed.

The original well was very much deviated and had not been cased into the salt. This allowed to install a new welded 11-3/4" casing and drill a more or less straight hole. Surprisingly the old 10 year borehole had still its original diameter.

The cavern leaching scope of work was based on the following parameters:

- 1) leach a cavern to a size of 500,000 m³ within an envelope staying within the parameters set by the rock mechanic analysis and within the permitted leaching plan from the Mining Authorities
- 2) using waste water treatment effluent
- 3) using nitrogen as a blanket
- 4) using existing depleted gas wells for brine disposal.