



SAFEGUARDING A BLOWN OUT WELL

Gas storage well operation in Berlin

OBJECTIVE

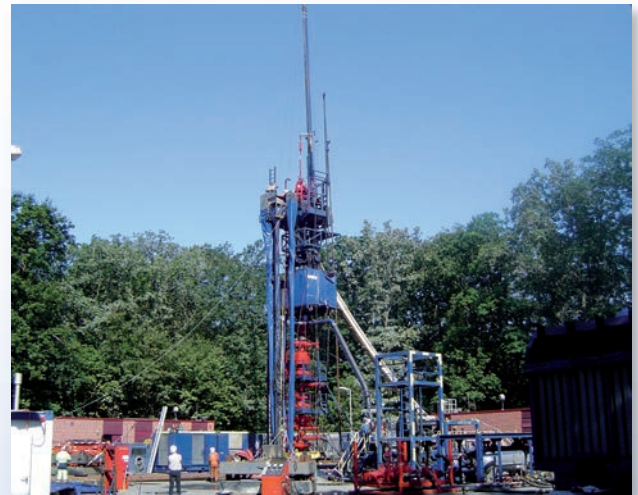
This was a gas storage well that supplied gas to the German capital, Berlin.

A down-hole explosion occurred during regular maintenance, which caused the well to blow out.



This explosion caused major damage to the completion, casing and well-head.

The primary objective was to safeguard the well by changing out the well-head and gaining access to the reservoir.



EXECUTION

- BPC coordinated the entire project.
- The completion was found shattered in pieces, but access to the required depth was achieved.
- Well-head was changed out and the well was secured.

LOCATION

The well site is located on the outskirts of Berlin close to residential areas.

Therefore maximum precautions had to be taken to ensure the safety of the nearby residents:

- Wells located in 'cellar' underneath location.
- Special substructure manufactured to ensure no well-head loading.
- Deluge system and fire monitors rigged up in case of fire.
- Contact with fire brigade on daily basis.
- Location set-up so that all planned activities could be carried out.
- Rig set-up so that all scenarios could be handled safely.