

AGR delivers a wildcat HPHT well in environmentally sensitive area with no recorded personnel injuries or spills



## OVERVIEW

AGR were assigned by RWE Dea Norge to the drilling of a wildcat HPHT well in the central region of the Norwegian Sea. The complex and environmentally challenging project – the first well within the license block – was delivered between June and October 2013.

## CHALLENGE

- Wildcat well. No available offset information within distance of 50 km
- Environmentally sensitive area
- Great geological insecurity +/- 300m
- Last minute changes of the drilling location of the well

## APPROACH

AGR started the work by careful planning and executing its best expertise gained during previous HPHT operations. Much of the planning had to be based on limited data gathered from the location. The engineers had to use innovative well design containing 16" and 11-3/4" liner in order to get to the total depth of the well.

The well was pioneering in the area and AGR team on the semi-submersible Transocean Winner had to keep in mind the environmental and HPHT characteristics of the assignment.

The 16" Liner was cut and pulled (first time done) during Plug & Abandonment operations in order to establish qualified

barriers for the shallow gas and shallow water zones. The 11-3/4" Liner with automatic fill-up shoe was chosen – a technology which is not commonly used on the Norwegian Continental Shelf (NCS). A 7" liner was also available but not run.

## RESULT

The drilling team on the Transocean Winner rig drilled down to 5,600m TVD with a measured temperature of 201°C. Up to 2011, only one well on the NCS had recorded higher temperatures. The well depth places it as the 7th deepest well drilled in the Norwegian oil and gas history.

As a result of the operation the well was drilled without any discharge or spills, in addition to no recorded personnel injuries. Throughout the operation, AGR focussed highly on the environmental issues and an AGR Environmental Coordinator was present on the rig during the entire 152-day operational phase.

## VALUE BROUGHT TO THE CLIENT

- Competence and experience
- Knowledge transfer through AGR's in-house developed iQx™ software
- Delivery of high HSE standards, resulting in no spill, or personnel injuries
- Transfer of knowledge for future similar projects

AGR  
Karenslyst allé 4,  
P.O Box 444, Skøyen,  
0213 Oslo,  
Norway

T: +47 2406 1111  
E: selectagr@agr.com

[www.agr.com](http://www.agr.com)

