

SERVICES

DEEPWATER DRILLING

HXR's Drilling and Completions Engineers, Supervisors, and Drilling Specialists have significant experience in both shelf and deepwater drilling operations. Some of the areas our personnel specialize in are:

- West Africa
- North Sea
- Gulf of Mexico

We provide advanced pore-pressure evaluation and drilling engineering services in both the planning stage of the project and at the rigsite during operations. Through the use of ERDPro[®], our in-house drilling engineering software specifically developed for extended reach drilling (ERD) and complex wells, and DEEPWATERPro[®], our pore-pressure evaluation software that can model the expected formation pressure along the entire wellpath, HXR brings a level of service not offered by other independent engineering companies, large or small. HXR's Drilling and Completions Engineers provide in-depth Well Design Studies/Feasibility Studies for our client's toughest wells, and our Drilling Specialists and Pore Pressure Specialists work on-site, with the rig team, to help optimize drilling operations, enhance safety, and help to avoid downtime by analyzing all of the data produced on the rig, from mud checks to LWD data to drilling parameters. Our personnel quickly add value by being the "eyes and ears" of the drilling team — cheap insurance on such high profile projects.

HXR's Deepwater Drilling Service provides:

- Formation pressure evaluation and casing point placement utilizing DEEPWATERPro[®]
- Complete well design engineering services
- Drilling supervision
- Drilling fluid design and evaluation
- Managed-pressure drilling design
- Onsite drilling optimization utilizing ERDPro[®] for T&D, hydraulics and swab/surge analysis
- Wellbore stability analysis
- Hole cleaning and drilling practice evaluation
- Tubular design
- HP/HT operations

Our rig site-based Drilling Specialists use the latest engineering software to track drilling parameters such as P/U and S/O weights, on- and off-bottom torque, well trajectory and hydraulics/swab and surge to ensure that your day-to-day drilling and casing/liner operations go according to plan by comparing actual values to concise, in-depth engineering models. They can advise the rig team as well as office-based management on any changes that need to be made.

Our Drilling and Completions Engineers and Drilling Supervisors bring decades of offshore drilling experience to your project, but just as importantly, they bring with them the understanding that solid engineering design is the underpinning of a successful project. Too often, a well-planned project ends in failure due to the inability of supervisory personnel to "buy in" to new techniques or technology solely because it is new. Today we are pushing the limits of conventional tubular and equipment design; emerging technologies and techniques are critical for success.

OPERATIONS MAP



Call HXR before you start your next drilling project. From the North Slope to the South China Sea, we can help.

We're good at it.