

## SERVICES

### EXTENDED REACH DRILLING

Using ERDPro®, one of the most advanced modular drilling engineering software suites on the market today, and developed specifically to address the needs of our clients who demand expert rig-site analysis of real-time drilling parameters as well as highly accurate engineering models, HXR can help you plan even your most difficult drilling and completions projects. Our Drilling Engineers and Drilling Specialists have global experience in horizontal, extended reach drilling (ERD) and deepwater drilling, from the North Slope of Alaska to the GOM, the North Sea, West Africa and the Middle East. They are available for in-house assignments working as part of your office-based design and engineering team or as rigsite drilling engineers who assist the rig team on more difficult and higher-visibility projects. HXR also offers project management and drilling supervision with trained, experienced DSM's dedicated to your project's success. Whatever your project size, and wherever it is located, HXR's Extended Reach Drilling team can help solve the problems you are experiencing on your wells, worldwide.

HXR's Drilling Engineers, Supervisors, and rigsite Drilling Specialists have global experience in horizontal and ERD projects (5+:1 stepout ratio). Some of our areas of operation include:

- Abu Dhabi
- Alaska (North Slope and Cook Inlet)
- Angola (Offshore)
- Appalachian Basin
- ArkLaTex
- Azerbaijan
- California (Offshore)
- Egypt (Offshore)
- Equatorial Guinea
- Gulf of Mexico
- Mid-Continent
- North Sea
- Permian Basin
- Rocky Mountains
- Saudi Arabia (On- and Offshore)
- South Texas
- Williston Basin

In addition, our team has significant experience in the following U.S. land geologic plays:

- Bakken/Three Forks
- Eagle Ford
- Haynesville
- Fayetteville
- Barnett
- Mission Canyon
- Red River
- Almond
- Mesa Verde
- Niobrara
- Cotton Valley
- Smackover
- Woodford

Our ERD engineers, as well as our rigsite-based Drilling Specialists, use the advanced ERDPro® software suite in combination with emerging technologies and techniques to design your well to be fit for purpose. Additionally, HXR's Drilling Specialists can supervise single- or multi-rig projects, ensuring that all "lessons learned" are captured for your pad or drill-center development to maximize drilling efficiency and trajectory accuracy.

Our Well Design Studies (WDS), which are the basis for all of HXR's projects, include:

- Torque and drag analysis
- Well trajectory design
- Hydraulics and swab/surge analysis
- Casing design (conventional, floating/rotating)
- DP/BHA design
- Wellbore stability and hole cleaning analysis
- Drilling fluids design and oversight

## 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.