- Exploration wells or newly drilled wells
- Heavy oil or subsea wells

**Benefits**
- Ensures optimal production and enhances recovery
- Improves understanding of the reservoir mechanisms
- Provides comprehensive artificial lift solutions
- Reduces potential workover cost

**Features**
- Design of artificial lift equipment and completion
- Project management
- Reservoir analysis and interpretation
- Real-time acquisition system and interpretation
- Modular variable speed cabins to power and control the ESP

With an established track record of ESP system success, the artificial lift team offers operators an early understanding of reservoir mechanisms, determination of essential reservoir properties and pressures, and capturing of samples for PVT analysis. A powerful combination of multiple technologies including ESPs, tubing-conveyed perforating (TCP), and drillstem testing (DST) enable operators to evaluate exploratory wells when the reservoir pressure is not sufficient for the fluids to reach the surface by natural flow.

**Well testing methodology**
Methodologies can vary from well to well and are customized to meet specific exploratory or development objectives, such as critical inflow performance relationships. Based on the chosen methodology, the team provides accurate, high-quality well test results to ensure the right decisions are made for the life of the well and the reservoir.

**Integration of multiple technologies**
This integration of multiple technologies delivers
- reduced operating time required for job execution
- decreased wellsite operation time to minimize deferred production
- reliable reservoir information after perforating, especially in wells that will be completed using an artificial lift method
- lower workover cost by accomplishing some acid treatments without pulling the ESP.

**Right sizing of the ESP configuration**
To effectively lift reservoir crude to surface, an ESP needs to be properly sized to cover the entire range of expected flow rates. The artificial lift team has the expertise to properly select the right pump to meet requirements, such as accommodating a wide operating range by combining compression pump stages with a powerful medium-voltage variable speed drive (MVD).
Real-time collaboration process
Real-time ESP monitoring and well testing services use workflow and communication protocols to perform well test interpretation and optimize test duration. Using the latest communication tools, all the team members can communicate, share ideas, and provide recommendations to support field operations in real time.

Reservoir analysis
During the well test, different drawdowns could be imposed via an MVD to create the required pressure transients and meet test objectives, and the artificial lift team has the expertise to obtain valuable reservoir parameters from any ESP DST and/or TCP test. Every pump shutdown and startup is an opportunity to evaluate well productivity and obtain reservoir parameters.

Surface well test spread
Our testing division provides an optimized package to effectively handle production fluid at surface, including applications with constrained deck space. The packages often include a steam generator, steam exchanger, heating coils in knockout separator, diesel and surge tanks, and other pipework.