Engineering Services

Well Control Engineering
The Wild Well Engineering division provides much more than well control services. In addition to the successful resolution of hundreds of well control incidents, the Engineering team is the leading supplier of related well control services. Our experienced, qualified engineers are dedicated solely to your well control and risk management needs.

Well Design
- Evaluate Casing Design
- Kick Modeling
- MGS Capacity Evaluation
- Gas Handler Evaluation (Deep Water)
- Bullhead Modeling
- Pressure and Temperature Tolerances
- Worst-Case Discharge Modeling
- Well Kill Engineering and Modeling
- Dynamic Kill Modeling

Special Projects
- Critical Hole Monitoring
- Field Studies
- Risk Assessment
- Front-End Well Control Planning
- Drills and Exercises
- Review of Well Control Documents

Emergency Response
- Pressure Control Resolution
- Cross Flow Event Resolution
- Underground Blowout Resolution
- Well Kill Engineering and Modeling

Relief Well Planning and Engineering
New technology from Wild Well enhances our systematic methodology employed to design and implement a relief well, making the mechanics of relief well drilling easier while improving intercept reliability for a variety of operational settings. We also provide relief well engineering and modeling for pre-drill planning.

Contingency Planning Services
- Relief Well Contingencies
- Blowout and Hydraulic Kill Simulations

Response Operation Services
- Project Management for Relief Well and Hydraulic Kill Special Services
- General Contracting of Special Services
- Design and Supervision of Well Intersections
- Design and Supervision of Hydraulic Well Kills

23 different countries  36 offshore  42 land based

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Advanced Engineering
As a proven provider of state-of-the-art solutions, Advanced Engineering offers fully integrated, multidisciplinary design and analysis services custom made for your operations. Our tools for success include a wealth of experience and technology that deliver relevant, concise, and robust answers to the industry’s most pressing engineering concerns.

Computation Fluid Dynamics
- Gas Dispersion
- Multiphase and Reacting Flows
- Subsea Plume Modeling
- Thermal Analysis
- Erosion Modeling
- Fire and Blast

Structural Analysis
- Finite Element Analysis (FEA)
- Non-Linear FEA
- Fire and Blast
- Fatigue and Fracture Prediction

Mechanical and Structural Design
- 3D Laser Scanning and Survey

Technical Services
Technical Services provides world-class well control advisory and project management support for ongoing operations while working in the client office. With a clear focus on well control for a wide range of environments that include exploration and deep water, our client-based personnel are involved daily in planning, engineering, and operational support.

Personnel Support
- Well Control Desk Engineers
- HWO Desk Engineers
- Field-Based Mentors

Drilling
- Well Control

Workover
- Field Abandonment
- Project Management Teams

Well Integrity
- Gap Analysis
- Green Field
- Brown Field
- Mergers and Acquisitions

Risk Management Services
Designed around the individual needs of your operation, Risk Management Services provides a range of planning and training opportunities that offer immediate improvements in operational competency.

Response Planning Services
- Well Control Emergency Response Plans
- Well Control Response Card
- Source Control Emergency Response Plans

Crew and Equipment Preparedness
- Logistics Emergency Response Plans
- Rigsite Assessments Through Kick Drills
- Accumulator Training
- Crew Awareness Orientation
- Well Control Equipment Surveys