



**COMMITTED EXPERIENCE
DELIVERING SOLUTIONS**

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The team of dedicated experts maximize their dedication to your project while minimizing the cost associated with personnel compensation.

Our philosophy is that every project requires the upmost importance and support to ensure the desired goals are achieved, each project is not only supported by the consultant assigned, but also by the management team at Royal Oaks Energy Services.

Our goal is to provide our clients with best in class integrated engineering and business consulting. Founded on experience from working in North America and across the globe, combined with First Class industry practices and Lessons Learned in operations and technical disciplines; delivering added value to your projects.

OUR VALUES:

SAFETY, INTEGRITY, COMMITMENT
AND EXCELLENCE.



WE PROVIDE SERVICES IN THE FOLLOWING AREAS:

TECHNICAL AND OPERATIONS

Well Intervention

- Coiled Tubing
- Slickline
- N2 and Fluid pumping

Plug and Abandonment (P&A)

- Project planning, engineering and evaluation

Production Enhancement

- Matrix Stimulation
- Water Control
- Scale Treatment and Inhibition
- Artificial Lift with Coiled Tubing

Failures Analysis & Improvement Plans

- Equipment and equipment components
- Drill Pipe, Tubing and Coiled Tubing
- Downhole Tools

Offshore Operations

- Deepwater and Inland
- Fixed Platforms
- TLP's and MSV's

Land Operations

- Conventional and Unconventional

BUSINESS MANAGEMENT

Project Management and Cost Control

- Planning, budgeting and forecasting
- Vendor management and performance

Sales Management and Strategic Marketing

TRAINING & DEVELOPMENT

Contracts and Procurement

MODELING

PERFORMANCE ANALYTICS

OUR TEAM EXPERTISE

WELL INTERVENTION



Expert knowledge on engineering and operations in live wells and in different environments: land, fixed structures, TLP, support vessels and Deepwater (Subsea wells).

- Design, engineering and evaluation for operations on several land and offshore projects in the Gulf of Mexico, US Land, South America, Europe and the Far East
- Planning, design and project management for multi-well campaigns workovers and well interventions
- Well control equipment design and requirements to meet BSSE requirements and regulations
- Well End Report (WER); including operational highlights, lessons learned, improvement opportunities, project actual cost vs. planned cost and HSE summary
- Intervention Stack drawings and equipment lay out on offshore facilities
- Engineering for well intervention operations on ultra-deep subsea projects (>33,000ft)
- Strict compliance with API and BSSE standards and regulations
- Open water well interventions with Coiled Tubing

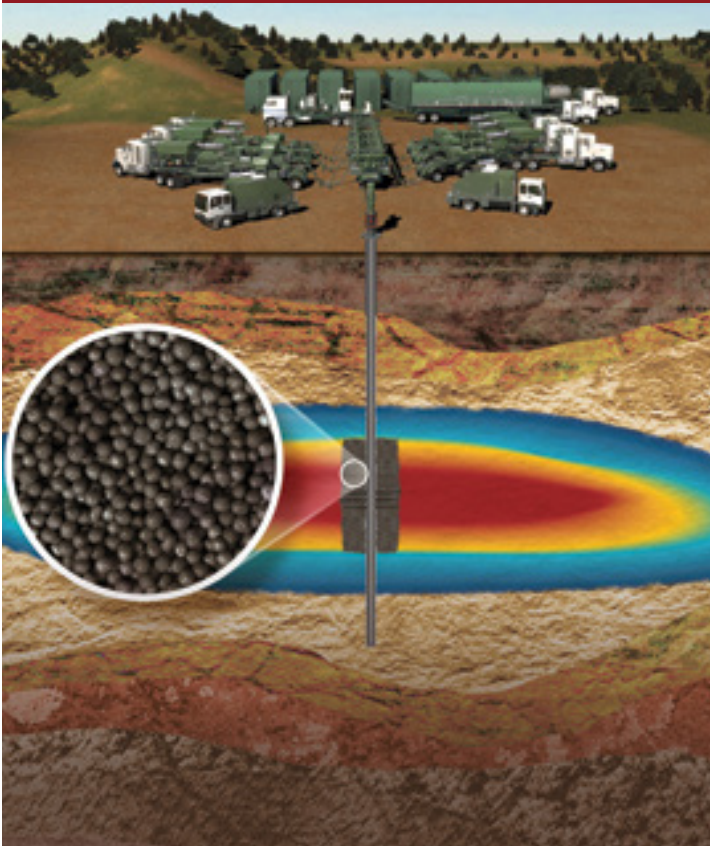
PLUG AND ABANDONMENT (P&A)



Design, engineering and project management on land, Shallow waters (fixed platforms), TLP's and Subsea wells. Strict adherence and compliance with BSSE regulations and API standards for well abandonment.

- Project Management for several multi-well P&A campaigns, plan sequence of operations, vendor management and technical challenges, while ensuring personnel safety and flawless service quality delivery
- Pre spud meetings with all parties involved, job program review. Equipment testing as per operating standards
- Coiled tubing and downhole tools job design, equipment considerations, pipe management and drawings
- Well control stack requirements, use of 7 1/16" and 11" BOP's for P&A with large CT
- Cement slurry design, lab testing and pumping sequence, operational considerations
- Well re-entry with large coiled tubing, using 2 3/8" and 2 7/8" OD pipe
- Post campaign evaluation report, technical, cost, summarizing the highlights, lowlights and lessons learned

PRODUCTION ENHANCEMENT



Expertise on Sandstone matrix stimulation by designing and executing operations, on both land and offshore. High success rate on designed treatments, accurate engineering, analysis.

In depth understanding of the wellbore/reservoir flow exchange, production impairment and optimization.

Nodal Analysis and fluid treatment design for HPHT wells, horizontal and vertical wells, low pressure, reservoir sensitive to clays (swelling, migrating)

Think sands and layered reservoirs

- Selective matrix stimulation techniques, fluid and mechanical diversion
- Water control and isolation
- Asphaltene and paraffin removal and prevention
- Scale treatment, removal and prevention
- Nitrified treatments, nitrogen lift and displacement
- Mechanical and chemical zonal isolation
- Lab testing knowledge and interpretation: compatibility test, fluids design, core testing, XRD, mineralogy

MODELING



We can provide job modeling and design for the following disciplines:

- Coiled Tubing
 - Tubing forces
 - Hydraulics
 - Fatigue management
- Wireline
 - Pump down
 - Cable tension
 - Tractor
- Matrix acidizing
 - Acid and non-acid systems
 - Diversion (chemical, mechanical)
 - Sandstone and carbonates
- Sand Control, gravel pack

Our goal is to provide support to our customers and adjust to their needs, based on this, you can request modeling to be performed on a per job basis, or by volume, or project.

PERFORMANCE ANALYTICS



Our in-house knowledge on Data Analytics is a key advantage for our customers. Upon performing an analysis of your business, operations, technical and sales processes, we can develop custom business analytics, so you can gain in-depth understanding of trends, KPI and statistics, which combined with novel software tools and advanced data management techniques, can be integrated into management workflows and decision-making processes of a Service Company, or for an Operator, evaluate vendors performance.

Our process includes development of a customized visualization tool, which automatically prepare and publish comprehensive cloud-based Business Intelligence (BI) dashboards and reports.

TRAINING



We can help your company address your personnel competency development needs with a customized training program, which encompasses most of the upstream technical disciplines and focuses in all the aspects of fluids pumping, nitrogen and coiled tubing services.

We have delivered training programs to several O&G operating and service companies both domestic and international, as well as to small and large well service companies around the globe. This is a modular training program which final content and duration that can be adjusted to your target population and current training requirements.

We can also provide a wide variety of technical and operational training on request.

- Well Intervention: Coiled Tubing (land, offshore)
- Pumping: fluids, nitrogen, nitrified fluids
- Wireline: Logging interpretation
- Production Enhancement: Hydraulic Fracturing, Matrix Stimulation, Acidizing
- Cementing techniques and job design
- Operations Management

ANALYSIS OF FAILURE AND TESTING



Our thorough approach to analysis failure and testing involves a detailed investigation to determine fault in the equipment's components.

We investigate to determine what component failed due to a manufacturer's defect or if the equipment is being operated outside of its specs.

WHO WE ARE

Our structure is based on a team of industry experts, who work on a project-basis or remotely, and are available on a call out basis. The team is composed of a mix of experienced professionals coming from both service companies and operators, the forefront of the Company are:

CARLOS TORRES
FOUNDER AND OWNER

Carlos A. Torres is the founder and owner of Royal Oaks Energy Services, a company focused on technical and business consulting in well intervention and production enhancement. He also serves as an advisor on business development to different companies in the industry.

Carlos began his career in 2000 with Schlumberger, holding management, technical and operations positions in Well Intervention on different regions around the world. These positions included field engineering in South East Asia, technical sales and front line management in Venezuela, and regional lead technical roles in the Gulf of Mexico. His tenure in the US, also included area level sales and marketing management positions (2013-2015). In 2016 he moved on to Gulfstream Services Inc., a private equity owned company, where until 2018 he served as Director of Sales and Business Development. While at Gulfstream, Carlos managed the sales team for 6 different product lines including: cementing systems, frack/gravel pack support equipment, rental tools, wireline pressure control, decommissioning services, and HP iron management. Carlos has authored and co-authored several technical publications for the industry.

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ERIC GAGEN
TECHNICAL EXPERT

Eric Gagen is an engineer with over 20 years of experience in well intervention operations, technical support and sales. He holds expertise in downhole tools, horizontal well operations, high pressure coiled tubing operations, scale removal, acidizing and cementing chemistry and applications, failure investigation and metallurgical investigations and computer simulations. Eric is also experienced with commercialization of new technology and equipment. He is also skilled in creating, publishing and presenting new technical information and materials.

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