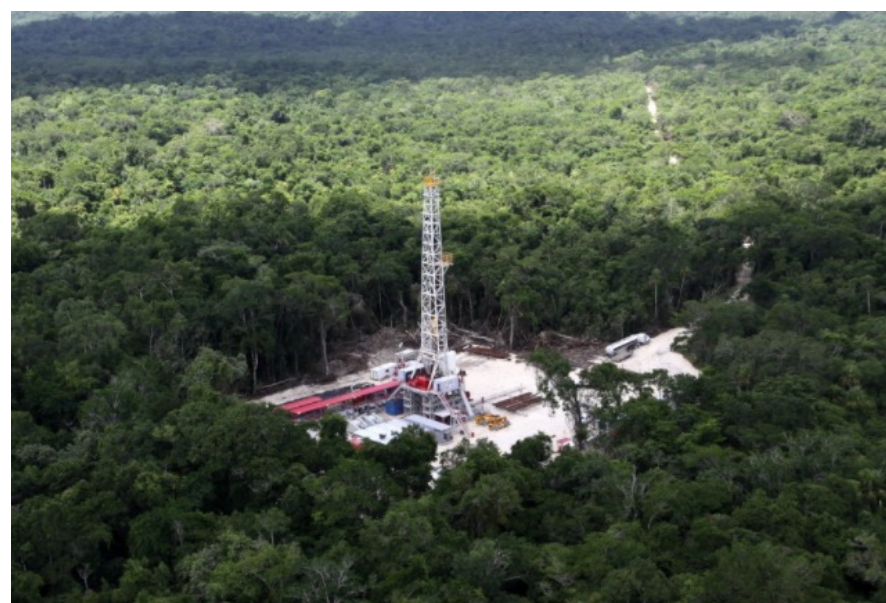




Providing Technical Consultants, Engineers, Onsite Supervision & Rig
Management Services to the International Oil & Gas Industry

Our Creed:
"FAILURE IS NOT AN OPTION"



OUR PEOPLE

Our highly-qualified team of Engineers and On-Site Consultants provide clients with a number of alternatives to efficiently develop potential reserves. We coordinate the design and execution of all phases of development assuring your project is completed safely, on a timely basis, and within budget. Whether the challenge is a deep high pressure fishing job, thru tubing plugback or a full-scale drilling & completion project, Spartan provides the client a fair assessment of the risks involved and range of the potential costs.

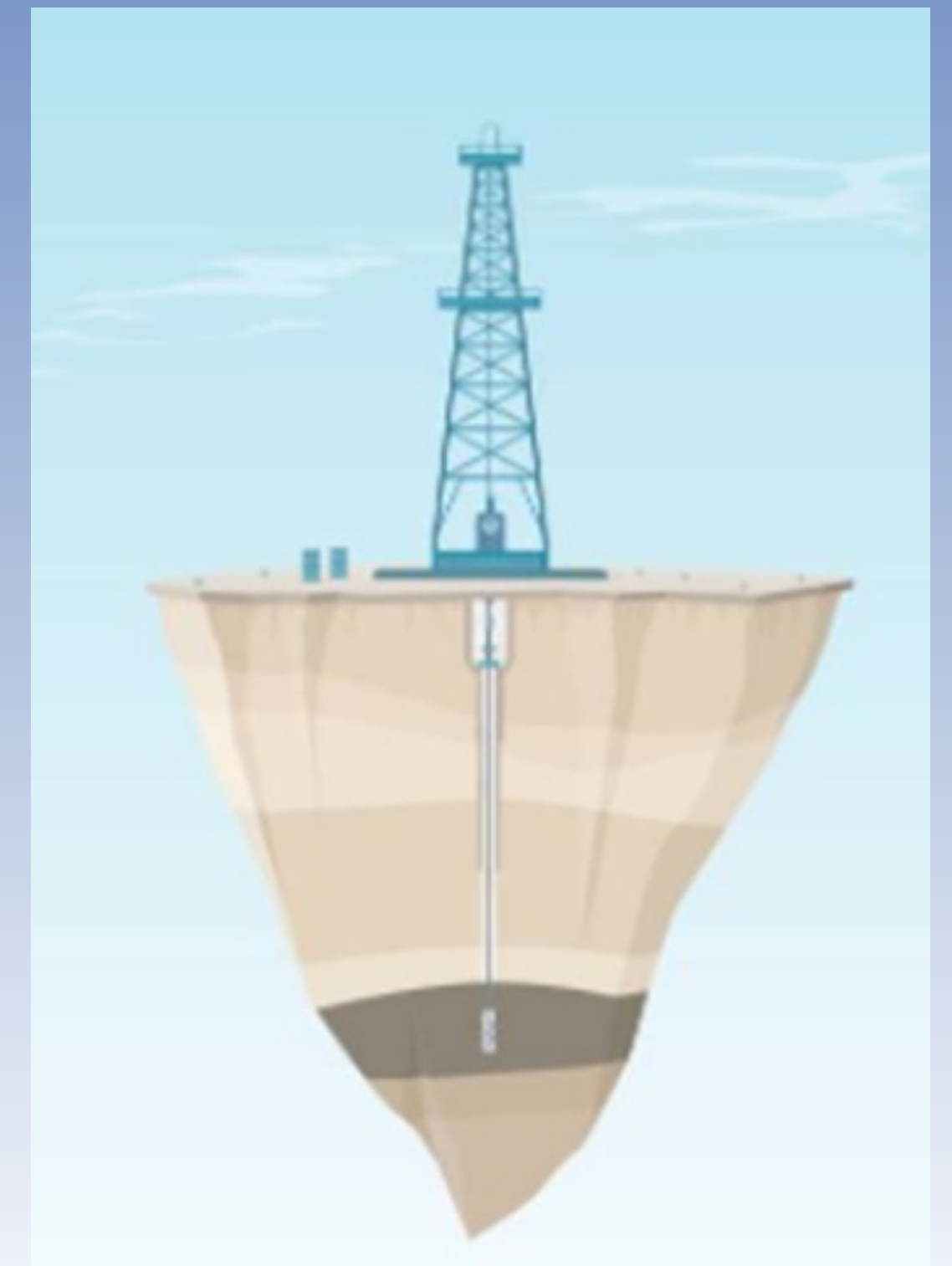
We specialize in operating in remote locations that are, challenging logistically, geographically and politically. Our personnel are also very experienced in operating in high H2S environments and other demanding geophysical strata.



SERVICES & EXPERTISE

- Drilling & Completion
 - Well Planning
 - Pore Pressure Analysis/Evaluation
 - Casing Design
 - Location Design
- Well Intervention/Cased Hole
 - Wireline/Slickline/E-Line
 - Coiled Tubing
 - Thru Tubing Fishing
 - Remedial
 - Slickline
 - Snubbing
- Rig Management and Operational Services
 - Management fee basis (pro rata or fixed fee)
 - Equity participation
 - Licensee arrangement
 - Third party consultants & advisors
- P&A Decommissioning
- Hurricane Restoration/Platform Removal
- Site Clearance
- Project Scope of Work & Design Basis documents
- Complete Project Document Control
- Comprehensive Project Management

We also offer the service of consulting and execution in improvement of rigs



ENGINEERING

Our Drilling Engineering services can review customers' drilling programs and practices as well as provide supplemental drilling teams for additional support.

Our teams provide interpretation of data about what occurs downhole. We present our findings of why events occurred (good or bad) and how to continuously improve practices and procedures.



ENGINEERING

Pre-well Review:

- Incorporate case studies for successful drilling and casing runs.
- Risk Management.
- From complete well planning to cursory recommendations, we can help wells to be engineered to succeed.

Post-well Review:

- Lessons learned, after action reviews.
- We will orchestrate and present a detailed summary of successes and needed adjustments for future development — a pivotal step for improvement.



WELL-SITE SUPERVISION

(Land, Inland, Offshore, International)

Spartan, through its personnel network, provides experienced well-site supervisors for all phases of drilling, completion, workover, remedial work, and operations. With 25 to 40 years applied industry experience, our consultants are highly-trained, self-motivated individuals with a commitment to teamwork, and the ability to meet the challenges and needs of our clients.

All Spartan well-site supervisors maintain current IADC WellCAP certification, SafeGulf/SafeLand and HUET + METS training certifications as required.

Each has the necessary travel documentation and experience to mobilize immediately, to any location.



WELL-SITE SUPERVISORS

(Land, Inland, Offshore, International)

Spartan personnel have successfully completed major, “high profile” assignments in numerous regions throughout the global Oil & Gas Industry:

- South America (Colombia, Argentina, Brazil, Ecuador)
- Eastern Europe
- Southeast Asia
- Uzbekistan
- USA
- Canada



Our Well-Site Supervisors include:

- Drilling & Completion Foremen
- Cased Hole Foremen
- Down Hole Tool Specialists



COST EFFECTIVE SOLUTIONS & EXECUTION

We know that time is money. Spartan's professionals are experts at saving time through optimizing processes and efficiency. These savings are realized by utilizing our experience, thorough planning and our ability to execute under any conditions.



TEAM EXPERIENCE



Did all tendering and evaluations to drill GEPs first exploration well in the Atrush block in Northern Iraq. Wrote the drilling program, built the location and brought the rig in to start drilling in just over 5 months. Finished drilling the first exploration well in the Atrush block \$6 million under budget. Total cost for drilling and testing the first well was \$32 million. Drilled the second exploration well ahead of schedule (10 days) and under budget by \$9 million dollars.



Deepwater Drilling Engineering for Chevron in Nigeria. Wrote and implemented programs for drilling and completing deepwater oil wells. Lower completions consist of single, double or triple frac packs and the upper completions are IWC. Monitor well operations and assist drilling superintendents in maintaining high standards for safety and operational excellence. Interface with service partners regarding equipment, personnel and performance.



TEAM EXPERIENCE



TUG UAE to complete their 2nd Horizontal well in the DIYAB Concession. Well was suspended due to the COVID-19 Pandemic & the travel restrictions surrounding that event. Wells were 4000m TVD HTHP Gas Wells with 13,000 psi BHP, 305° F BHT & 2000m of lateral section. Drilled 3 ERD horizontal wells utilizing rotary steerable technology with a full suite of LWD Tools from Sperry. Utilized ADNOC Drilling's AD-64 2000 hp rig with NOV amphion control system complete with the desert package for rig moves in the UAE desert. Used Weatherford's MPD package on the first well due to over pressured reservoir & well control problems, maintaining 200- 300 psi on the reservoir while drilling the lateral section, spotting kill mud in vertical section to control the well to run the liner & cement in place. Completed phase 1 of the project & demobilized the rig.



BP Oman for their Khazzan Field Development Project, to start up KCA Deutag's T-95, a brand new Bentec 2000 hp AC electric rig, where we fully commissioned & acceptance tested the rig prior to spudding the first well. Drilled a 4800m S shaped directional well, utilizing RSS directional technology in the build section. Casing strings run using Casing Running tool systems, with the bottom section of the well drilled with an impreg bit & a turbine. Completed the well with a cemented completion on a tapered liner & ran the full completion after the final cement job. Successfully drilled all wells, 4 deep horizontals & 2 deep exploratory well, under budget & ahead of the time curve by 16 to 35 days, while mentoring & training brand new rig crews & ensuring they adhered to BP's policies & procedures. Completed the 2nd well, a 6200m horizontal well with a 4800m TVD over 28 days ahead of BP's previous benchmark well in the field, setting multiple bit run records from 200m to 600m, as well as optimizing performance.



TEAM EXPERIENCE



*DRILLING SUPERVISOR- Encana Corporation
- NE British Columbia, Canada*

Drilled 4000m deep sour gas wells in the Canadian Foothills with oil-based mud & an environmentally protected wetland 300m off the edge of the well site. Utilized Peloton's Well View reporting program.



Arpetrol Argentina

Did all the planning for a 5000m extended reach horizontal well on the southern tip of mainland Argentina (Faro Virgenes). Project subsequently cancelled due to the global economic downturn.



Drilled the first wildcat well for KNOC on their Bazian block, using an MPD package to maintain control of a very fragile wellbore. Utilized dynamic well kill method to prevent a blowout keeping all personnel & equipment safe. Supervised a 400m open hole test to prove reserves with H₂S Levels as high as 8%.



We are always ready ... 24-7-365