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# PRESSURE CONTROL



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As an industry leader in pressure control and related services, combined with innovative technology, safety, and industry leading experience, QES has the ability to fully assess drilling, surface, and downhole conditions in order to provide expertise specific to each well, thus providing real results for operators.

From coiled tubing, fluid pumping and nitrogen to rig-assist snubbing, well control, and special services, QES is focused on safely delivering the highest quality services and products to the drilling and well servicing markets.

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# COILED TUBING

Reliability, integrity, and specialization make QES a leader in coiled tubing operations. With a fleet of coiled tubing units ranging from 1" to 2-3/8", QES Pressure Control can handle everything from everyday cleanouts to the most complex of operations.



## OUR CAPABILITIES INCLUDE:

- Live well intervention
- Fishing
- HPHT applications
- Plug/Port mill out
- Plug & abandonment
- Drilling cement & shale
- Cement squeezes
- Screen installations
- Plug & Perf. operations
- Engineering/Technical solutions

QES's coiled tubing units are capable of running 1.00" to 2-3/8" coiled tubing. Our larger reels are capable of holding 22,500' of 2-3/8" coiled tubing. Surface pressure control equipment is rated to 15,000 psi.



# SNUBBING

Rig assist snubbing units can provide a fast and economical means of running or pulling tubing under pressure, allowing operators to continue to produce the well during the intervention. Live well workover eliminates the risk of formation damage from kill fluid as well as saving time and expense of loading/unloading the kill fluids from the wellbore and costly disposal of the kill fluid.

QES has one of the largest fleets of rig assist space saver and “mini” snubbing units throughout the United States. Through operational efficiency, integrity, and industry expertise, QES has established itself as one of the industry leaders in snubbing operations.

QES’s light-weight, compact “mini” hydraulic, rig assist units are mounted on gooseneck trailers for easy transportation and maneuverability on location. They come complete with diesel fuel power units, jack assembly with or without integral work platform, a pipe handling winch, 5,000 psi Shafer type annular stripping BOP, and most units come with a Cameron Type-U safety backup BOP. The units can safely handle tubulars up to 3-1/2” at maximum pressures of 1,500 psi and 2-7/8” and smaller tubing at 2,500+ psi. Rig up is quick, usually within one hour or less.

QES’s larger space saver rig assist units are mounted on bobtail trucks or semi-trailer units. The space saver has an eight to ten foot stroke that can be utilized to run tools which have been engineered to be snubbed. They are equipped with the same 5,000 psi annular BOP as the “mini” rig assist units, but also utilize two Cameron type-U BOPs which allow for ram-to-ram stripping at pressures up to 4500 psi. Additionally, when equipped with 15,000 psi rated Cameron BOPs and the QES proprietary pipe guide system, pressures can be accommodated to 6,000+ psi. A large work basket with power tongs and operators console allows for safe, efficient operation.

## OPERATIONAL CAPABILITIES INCLUDE:

- Underbalanced drilling
- Running or pulling production tubing, casing & drill pipe
- Running or pulling packers, liners & hangers, bridge plugs & gas lift mandrels
- Fishing
- SIMOPS
- Snubbing casing in horizontal wells when string weight is not enough to get to bottom
- Pulling or landing isolation hangers
- Working in conjunction with well control operations, snubbing kill string





# NITROGEN

QES's fleet of nitrogen pumping units provides dependable performance when nitrogen is being used to displace liquids and reduce hydrostatic pressure within the well. Nitrogen is frequently used to initiate production of a well following a workover, or overbalanced completion.

Built on the latest nitrogen pump technology and industry leading service reliability, QES's nitrogen services are capable of improving almost every aspect of well operations. Available are heat recovery units capable of pumping and heating the nitrogen efficiently from 200 scfm to 6,000 scfm at pressures up to 10,000 psi without an open flame. Several direct-fired units are capable of 10,000 SCFM with pressures up to 15,000 psi and 17,000 SCFM with pressures up to 10,000 psi. A fleet of nitrogen transports with diesel powered transfer pumps ensure a large supply of liquid nitrogen for these pump units. Experienced personnel ensure reliable and safe operation of these nitrogen units.

## **NITROGEN SERVICES INCLUDE:**

- Jetting fluids & solids from wellbore
- Generating foam for well cleanouts
- Generating foam for fracturing wells
- Displacing fluids from tubular
- Nitrifying fluid for underbalanced operations
- Industrial plants/pipeline operations





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# WELL CONTROL

QES's team of well control specialist have tackled land based, off-shore, and international jobs ranging from fires and blowouts, hot tapping and gate valve drilling under pressure and H2S, to freeze jobs and surface pressure control situations.

More than just a well control company, we are involved in all aspects of designing and engineering critical operations such as pulling out of hole with spiral drill collars, jars, bumper subs, and fish with surface pressures as high as 6,000 psi.

QES Well Control personnel have completed numerous worldwide operations including holding drill pipe from ejecting from the well and performing a bullhead kill, to cutting and removing well heads and rig structures, re-heading well and installing a capping stack.

## **QES WELL CONTROL IS A FULLY INTEGRATED WELL CONTROL COMPANY, PROVIDING SERVICES IN:**

- Firefighting
- Well control
- Blowouts
- Well recovery
- Contingency planning
- Rig inspections
- Hot tapping
- Gate-valve drilling
- Freezing
- Engineering





Quintana Energy Services LP is a growth-oriented company formed to provide a wide range of completion, production and drilling services to land-based exploration and production customers operating in unconventional resource plays and conventional basins throughout the U.S.

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