



Production Solutions and Services



About **PSS:**

Seaharvest PSS division offers cutting edge solutions for the latest petroleum oil production sector necessities and challenges. Our experts collaborate with customers' technical team to evaluate, optimize and customize solutions for their oil production operations.

Seaharvest PSS division adds value to its customers through:

A global supply chain network of partners and vendors.

A field proven service crews and operators with more than 10 years of experience.

An expert technical engineering team available 24/7 for consultation, and armed with the latest simulation and sizing software.



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Seaharvest is the go to supplier for many companies, when it comes to the supply of equipment and services for Artificial Lift Systems.

Sucker Rod Systems and Services: Solutions aid our customers in minimizing their costs and maximizing their wells profitability.

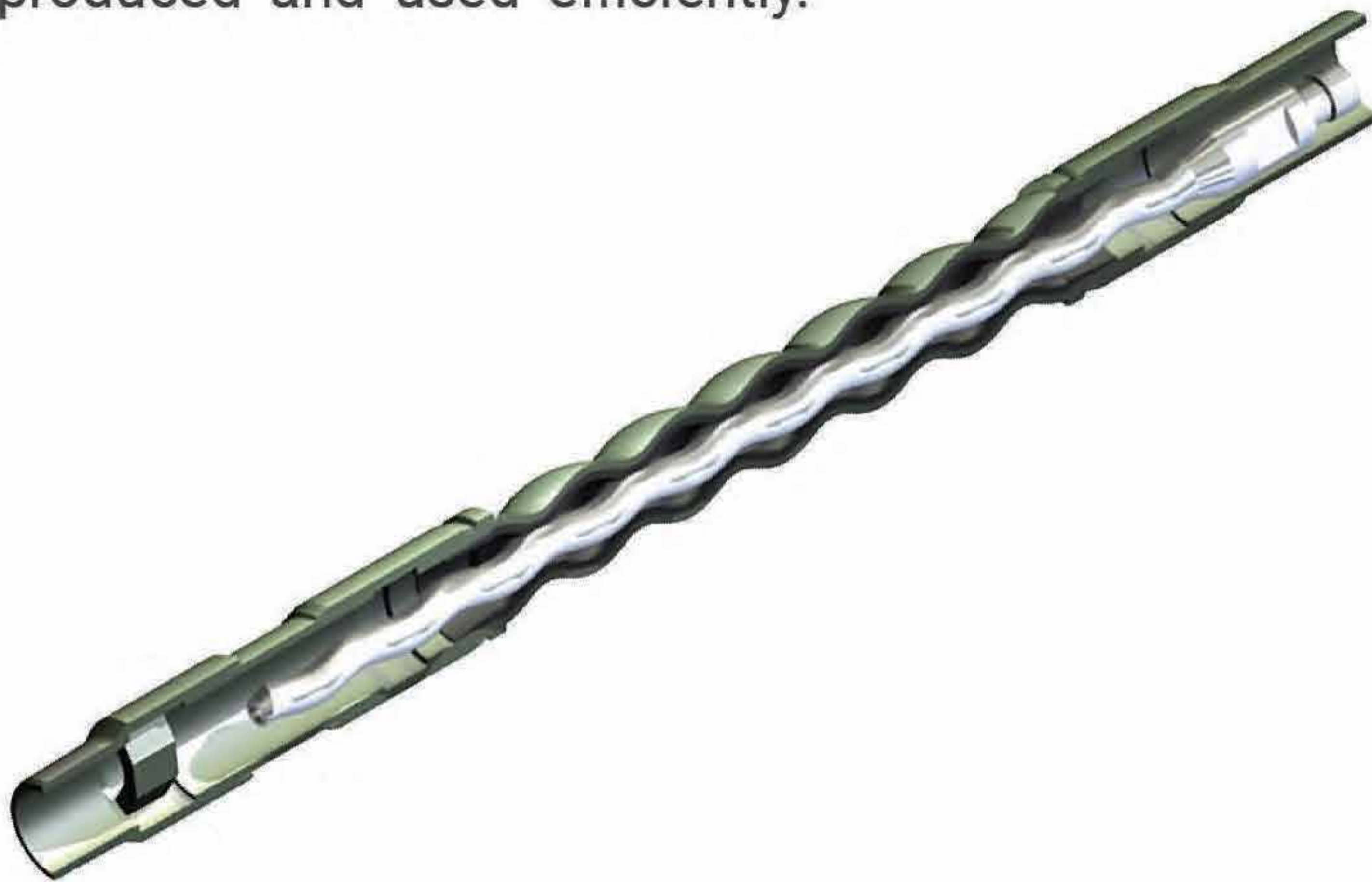
Progressive Cavity Pumping Systems and services: are tailored for high viscosity challenged wells, creating reliable and optimized well production operations.

Field Services: suit all customer well needs and requirements at a very high quality & safety standards and competitive pricing.

Progressive Cavity Pumping Systems:

Opportunities for efficient production in the oil and gas upstream sector:

Oil and gas are among the world's most important energy suppliers. Although new deposits are still being discovered, already preceded oil fields continue being serviced, the production of this viscous solids-containing raw material is becoming more complex. By using NETZSCH-Drive Heads and the progressing cavity pump-systems, many of these reserves can be produced and used efficiently.



Efficient conveying of diluted oil fields with high gas content:

Do you want to increase the efficiency when pumping an oil-water mixture? The specially designed, underground-driven progressing cavity pumps make it possible. At the same time, you reduce your costs as well as the consumption of resources. Even changing pumping conditions, including a high free gas content, pose no problems for the underground-driven progressing cavity pump. As a result, you can pump efficiently from even heavily diluted oil fields.

Crude oil production under the most difficult external conditions

The location of the oil fields is as varied as their quality. Even strongly changing temperatures, such as in deserts, do not pose a problem for the down-hole progressing cavity pumps. Despite the challenges, the innovative progressing cavity pumps with drive heads impress with long service life and long maintenance intervals. This keeps your life cycle costs low, which ensures profitability even with lower quality crude oil.



Conveying the most challenging media in oil and gas fields

Oil-sand mixtures pose problems for many pumps in crude oil production. With the unique progressing cavity oil pumps, you can efficiently convey even the most challenging media without damaging the product. By avoiding pulsation and shear forces, you prevent possible emulsion effects. This makes it much easier for you to separate the mixtures at the surface. At the same time, they increase your efficiency by up to 60 percent, thanks to the innovative design.



Sucker Rod Systems:

Down-hole Pumps:

White Star produces more than 800 pump types and versions, both standard (as per API Specification 11AX) and special versions including pumps for operation in extra-heavy well conditions.

Surface Units:

Seaharvest offers reliable and long lasting surface units, surface units spare parts and services with the aim of exceeding our customers' expectations and general direction of providing innovative solutions like hydraulically driven power units with low operating costs.



Rods:

Seaharvest focuses on supplying customers with field proven rods manufactured and designed to suit sucker rod producing wells challenges at a competitive pricing, to reduce capex cost and make marginal oil producing wells commercially viable.



Handling Tools:

Seaharvest global supply chain network focuses of fulfilling all customer production material and tools requirements and needs.

Services:

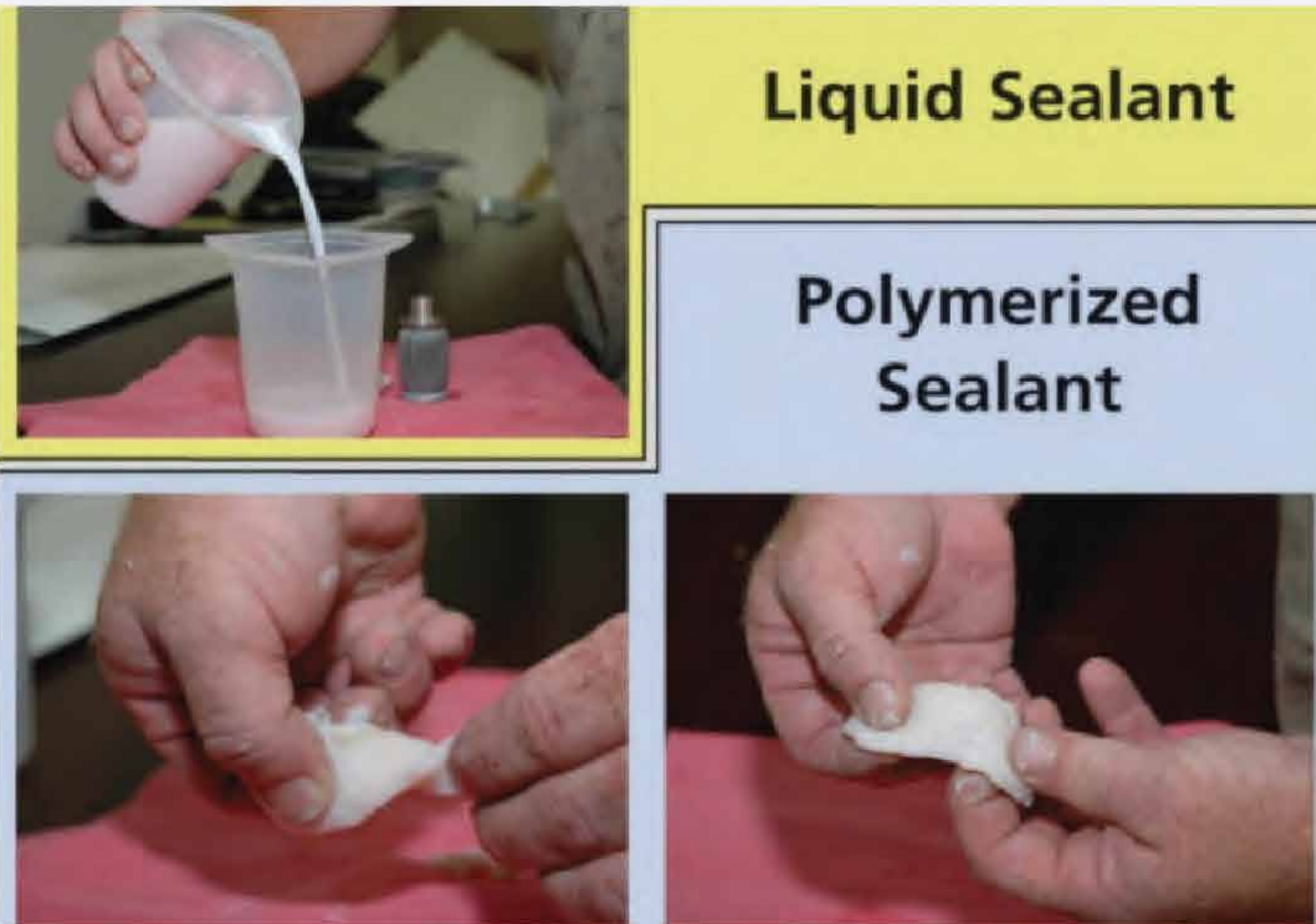
Our experienced field crew offers the highest quality field service for running in hole, pull out of hole, fishing, surface unit installation, surface unit dismantle and well troubleshooting services, with hundreds of successful jobs.

Seal Tite Sealing Solutions:

Seal Tite can cause a lot of savings for customers as it can cure leaks in well heads and SSSV without the need for a work-over rig and without causing blockage or obstructions.

Sealants compatible with oil or water/glycol-based hydraulic fluids are designed to solidify only at the high point of differential pressure, so only the leak is sealed. Any excess sealant remains inert, in a liquid form, and will not clog the hydraulic system or other equipment. The environmentally approved sealant can be left in the system indefinitely or flushed out.

The pressure-activated sealant technology was originally developed in 1995 to seal leaks in the hydraulic systems of control lines and SCSSVs.



Scalia-Tite sealants can be used in the harshest operational environments and will maintain their sealing integrity up to 500° F and to 22,000 psi. You can depend on it for high pressure leak repair jobs.