

Produced Water Transfer Lines

Hundreds of miles of fiberglass pipe used for ongoing produced water transfer project.

In 2018, a major operator in the Permian basin selected Super Seal™ Key-Lock (SSKL) as their product of choice for their ongoing produced water transfer network project in New Mexico, USA. Until then, HDPE and coated/lined steel were the materials of choice for this type of application. After a wide-ranging assessment of materials and cost of installation and deployment, they decided to switch to SSKL due to the comprehensive benefits of composite technology, speed of installation and the total installed economic benefits inherent to this technology. For example, they quickly learned the average time to connect 2 joints of SSKL was only 4-5 minutes, down from 2-3 hours it took to fuse together 2 joints of HDPE. In addition, the higher pressure capability, temperature and thinner wall of SSKL allowed them to design their system using smaller diameter pipe.

As of Q2 2020, the major operator had procured over 220 miles of 16" and 20" 750 psi SSKL, for their ongoing buried produced water transfer project lines. Currently, over 165 miles of this pipe been successfully installed and commissioned. As part of these projects, wide variety of fiberglass fittings have been installed during the ongoing project, including elbows ranging from 11.25 degrees to 90 degrees, flanges, tees, couplings, adapters and nipples ranging of various sizes. Due to these advantages and their successful experiences with the product, they have recently decided to use SSKL not only for the produced water transportation pipelines but also for the lower pressure source water applications. Over the next 12 months, an additional 124 miles of SSKL will be procured in order to complete current projects, bringing the estimate total to installed to over 341 miles.

