

Recommended Start-Up Procedures Following MeshRite™ Installation

The intent of providing these start-up procedures is to maximize the effectiveness of your sand retainment mechanism. By following these procedures, you are attempting to:

Prevent a) plugging of perforation channels
b) erosion of screen
c) solids migration through the mesh

Achieve a) a consistent pack distribution from the perforations to the mesh
b) an effective sand pack set up within the screen
c) a reduction or elimination of silts and clays in the near wellbore (they cause plugging)

Oil:

Insert Pump: Limit to 50% of full production for 2-4 days, then 100%

Tubing Pump/Screw Pump: Limit to 25% of full production for 4-5 days

Increase to 50% of full production for 4-5 days

Increase to 75% of full production for 4-5 days, then 100%

ESPs: If variable speed control, same procedure as tubing/screw pump

Pump intake filters: Produce at 100% at start-up; there is no sand bridge, only filtering

Gas:

Limit to 25% of full production 2-4 days

Increase to 50% of full production for 2-4 days

Increase to 75% of full production for 2-4 days, then 100%

Frac Sand:

Limit to 75% of full production for 2-4 days, then 100%

Water Wells:

Limit to 25% of full production for 5-7 days

Increase to 50% of full production for 5-7 days

Increase to 75% of full production for 5-7 days, then 100%

Expect to see a small amount of fine sand produced during the production acceleration phase. These solids may be produced until the well has been producing at 100% for a few days.

Note: In any case, observe fluid levels, and extend limited drawdown duration accordingly. If you are concerned about fluid production rates, fluid levels, or sand production, contact a Secure representative.