

Left Helix

Reverse-geometry PCP

APPLICATIONS

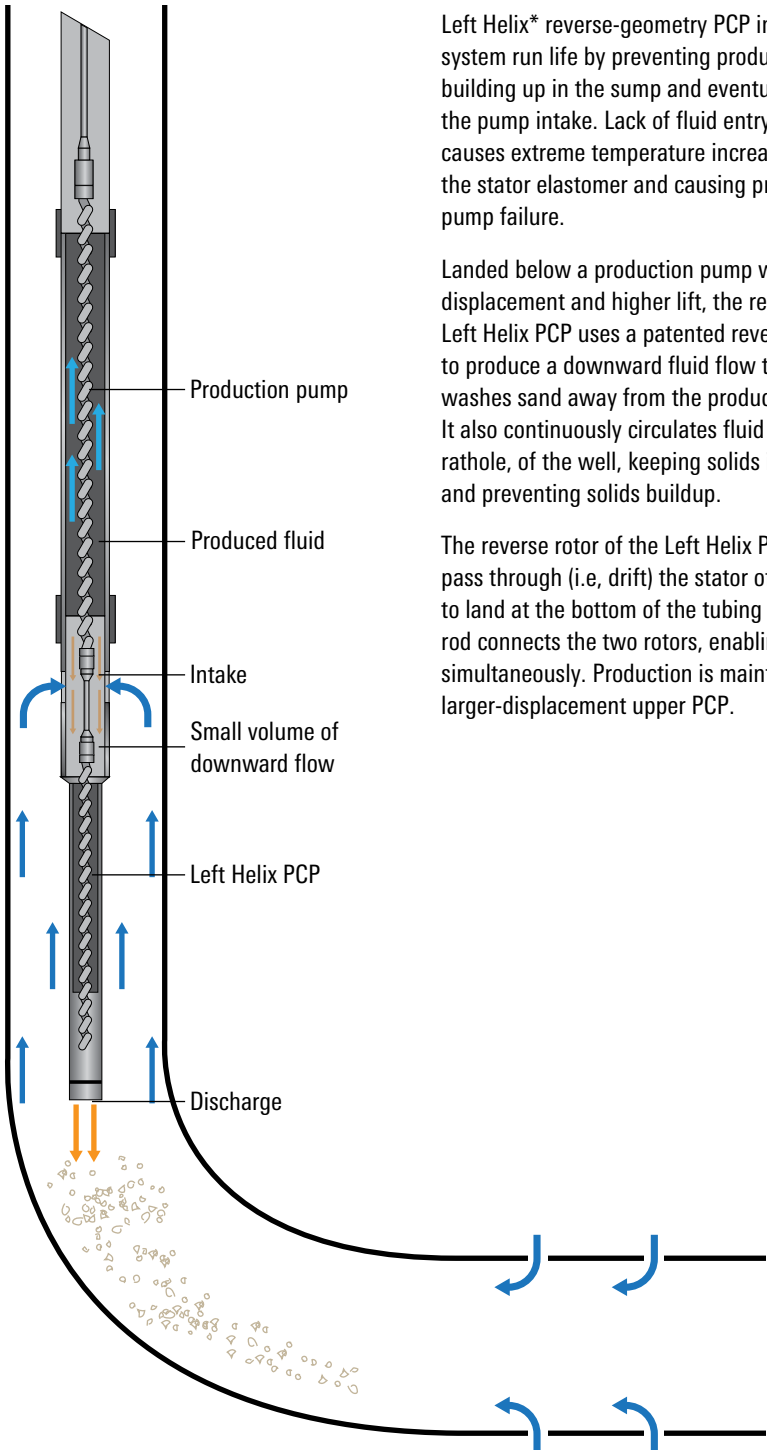
- Wells producing large amounts of solids

BENEFITS

- Improves PCP system run life by preventing solids buildup that blocks pump intake
- Prevents sand bridging that may reduce well productivity

FEATURES

- Compatibility with multiple PCP models
- Patented reverse-geometry technology



Left Helix* reverse-geometry PCP improves lift system run life by preventing produced solids from building up in the sump and eventually blocking the pump intake. Lack of fluid entry into the pump causes extreme temperature increases, damaging the stator elastomer and causing premature pump failure.

Landed below a production pump with a larger displacement and higher lift, the relatively small Left Helix PCP uses a patented reverse geometry to produce a downward fluid flow that continually washes sand away from the production pump inlet. It also continuously circulates fluid in the cellar, or rathole, of the well, keeping solids in suspension and preventing solids buildup.

The reverse rotor of the Left Helix PCP can easily pass through (i.e. drift) the stator of the upper PCP to land at the bottom of the tubing string. A polished rod connects the two rotors, enabling them to turn simultaneously. Production is maintained by the larger-displacement upper PCP.

The Left Helix PCP helps prevent sand accumulation at the pump intake to improve pump run life.

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