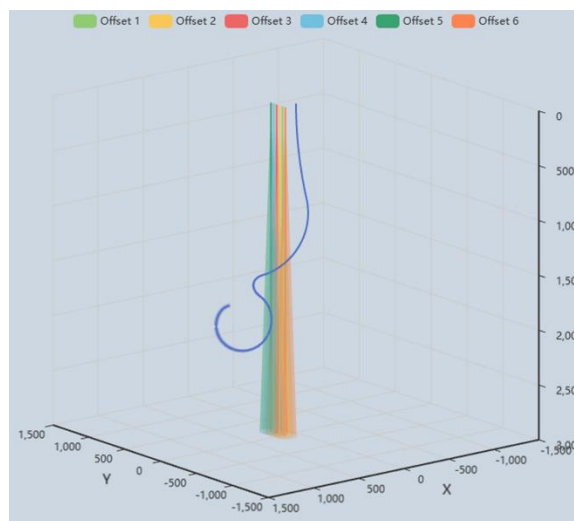# AI Trajectory Design Troubleshooting

Possible reasons why AI Well Planner cannot find a solution:

- Incorrect drilling target or production target(s)

- Collision tolerance is too tight

- Low Max DLS constraint(s)

- Section inclination constraints are too tight

- Torque-and-drag section constraint(s) are too tight

- TVD clearance is too narrow in the production section

- Conflicting constraints. For example, the angle restriction for a certain TVD section conflicts with angle restrictions for the ESP or target within this TVD range.

If you cannot identify the issue, follow this troubleshooting workflow:

1. Disable all constraints: ESP, sections, T&D; remove all offset wells.

2. Run AI Well Planner and check the solution.

3. If the solution is correct, add one constraint back, such as an offset well, and repeat step 2.

4. If the solution is incorrect, the last constraint added conflicts with the others—review and adjust this constraint, then try redesigning the trajectory.