Boundary Conditions

[redacted]

[redacted] See images below.

These boundary modifiers effectively act as a proxy for a variable-head boundary condition, where changes in pressure during and after injection represent a change in flow across the boundaries.

BP mapped the reservoir containing the injection zone as laterally very extensive, so the primary goal of the horizonal boundary conditions was to mimic the pressure response numerically rather than building an overlarge grid. Several iterations of these horizonal boundary conditions were tested, [redacted]

[redacted]

[redacted]

[redacted]