a) left panel showing the head at the well and right panel showing the head at the midopint of the domain, both as functions of time over the entire simulation.Chart, bar chart, histogram

Description automatically generated

Figure : Head Change over time at the well and at the midpoint of the midpoint of the domain across the whole 10 year time period.

Shape, square

Description automatically generated

Figure : Head Change at well and center of domain for 100 year period

b) The head along a transect between the constant head boundaries through the well at three times: the initial steady state; the final pump-on period; and the final pump-off period.

Chart, line chart

Description automatically generated

Figure : Head at three points along the domain. Red: Steady state (first simulation), Blue: last time the well was off, Green: At the end of the simulationChart, line chart

Description automatically generated

Figure : Heads at segments denoted in figure 3 for the 100 year transient simulation

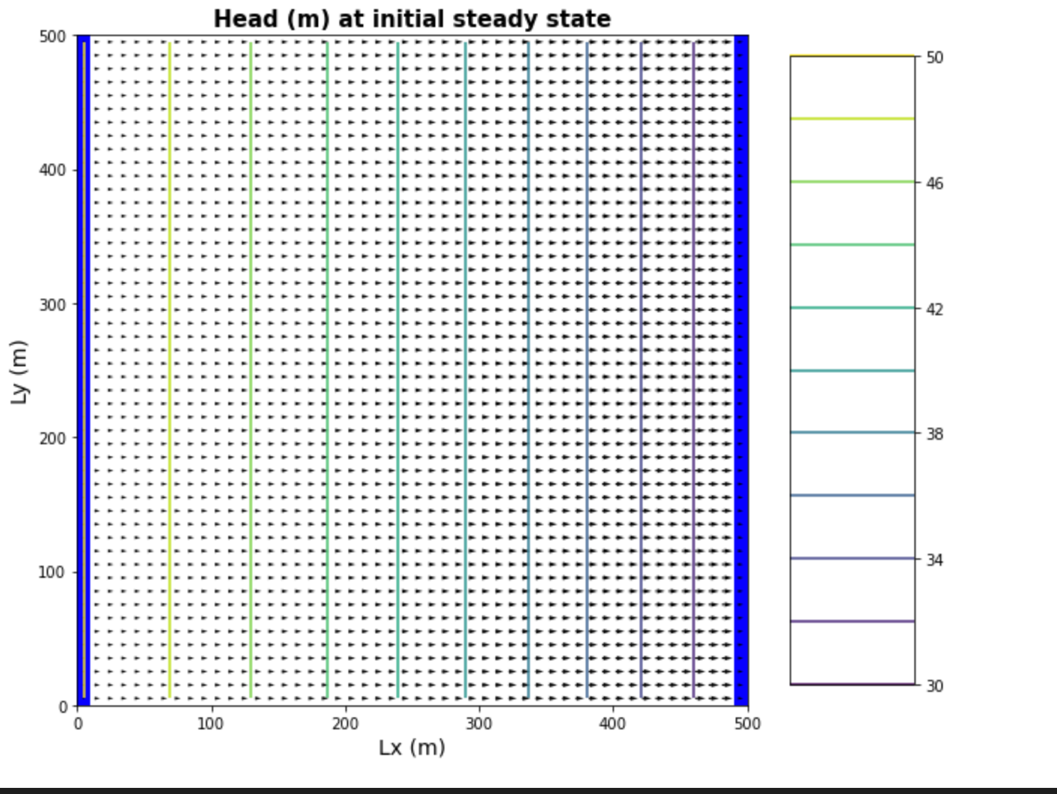
c) A contour map with flow vectors at three times: the initial steady state; the final pump-on period; and the final pump-off period.

Figure : Contour Head Plot of the Initial Steady State Conditions for ten year period

Chart

Description automatically generated with medium confidence

Figure : Contour Head Plot for the final well off time step for ten year periodDiagram

Description automatically generated with medium confidence

Figure : Contour plot of last time pumping was on for 10 year period

A picture containing chart

Description automatically generated

Figure : Initial steady state head contours for 100 year simulationDiagram

Description automatically generated with low confidence

Figure : Head contours for last time well was on for 100 year simulationChart

Description automatically generated

Figure : Head contour for the last time step over the 100 year period

d) A contour map of the drawdown calculated for two periods: between the initial steady state and the final simulation time and between the final pump-on period and the final pump-off period.

A picture containing chart

Description automatically generated

Figure : Contour Plot of drawdown for the pumping across the whole period over the ten year time stepChart

Description automatically generated with medium confidence

Figure : Drawdown across the full 100 year period of transient simulations