# 6.6. Working with User Polygons (Contours)

- User polygons can be drawn in the GUI using a Profile or a Cross-Section;

- User polygons can be imported from a file;

- The area inside a polygon can be visualized with the help of User Maps and User Cuts;

- Parameters can be visualized and/or calculated inside a polygon's area.

## 6.6.1. Import User Polygons

You can import any created polygon for a 2D visualization. To do that, follow the steps:

1. Go to the 2D view, select **Sum**, for example.

2. Right-click and select **Loaded Contours** in the pop-up menu.

3. In the pop-up **User Contours** dialog select **Load New Contour from File**.

4. Select a file in the format shown in figure 67. The file contains the XYZ coordinates of blocks (no headers are required). Each blocks will be connected with a line.

5. Select the contour line color, thickness, and type in the dialog.

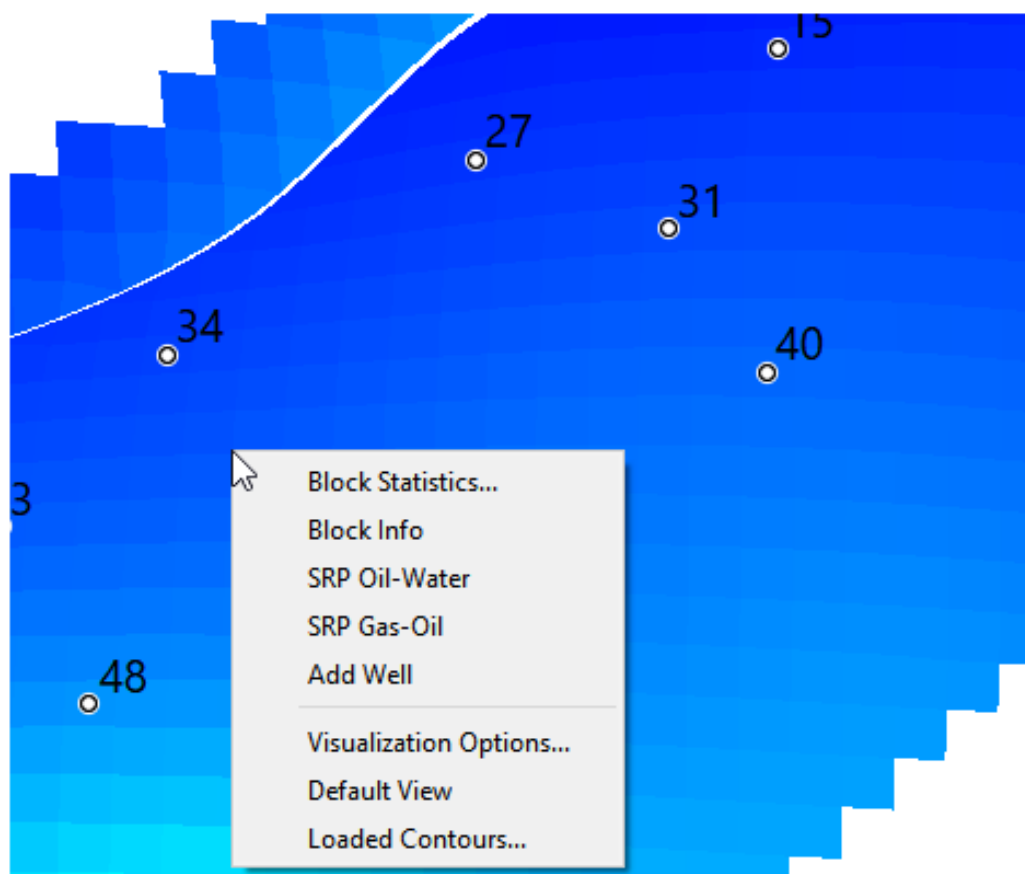A user polygon file may contain only X,Y columns data; data in the Z column can be set to 0.

***Figure 66.*** *Loading polygons into a model.*



***Figure 67.*** *A user polygon file.*

Two loaded contours are shown in figure 68. A profile can be created using a loaded contour. To create a profile, click **Create Profile from Contour** in the **User Contours** dialog, then enter the profile's name. Go to **Maps. Profile** to see the created profile.
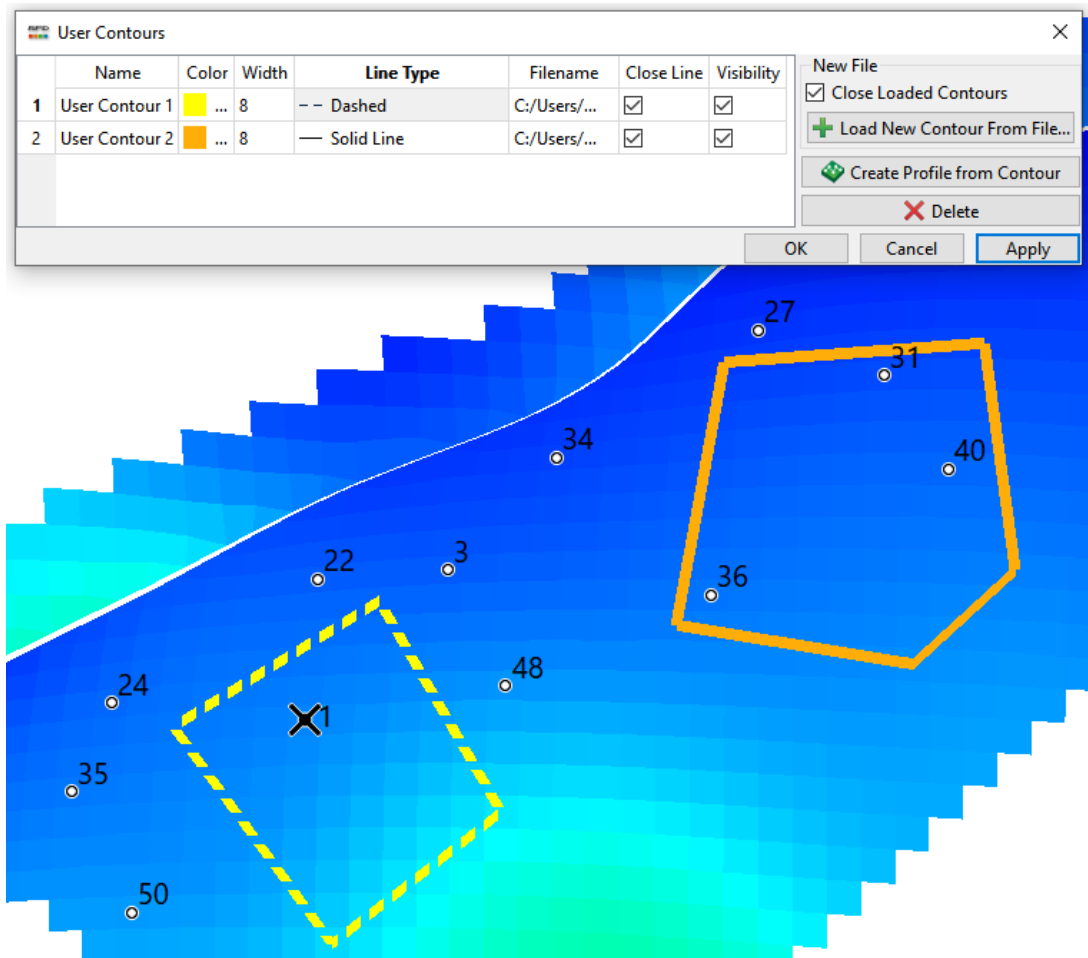


***Figure 68.*** *Loaded polygons.*