Importing Non-Standard LAS Data into RockWorks

12/7/22/JPR

Introduction

If the RockWorks Log ASCII Standard (LAS) data import program isn't working properly it may mean that the LAS file was created by a program that does not conform to the strict LAS format. Rather that wasting time trying to fix the LAS file, this document provides a "work-around" for importing the relevant data for LAS files as well as other ASCII files that contain row-and-column data.

Step 1: Edit the File Using Notepad

- Load the file into the Windows Notepad program.
- Delete all of the header and footer information except for the row-and-column data (Figure 1).

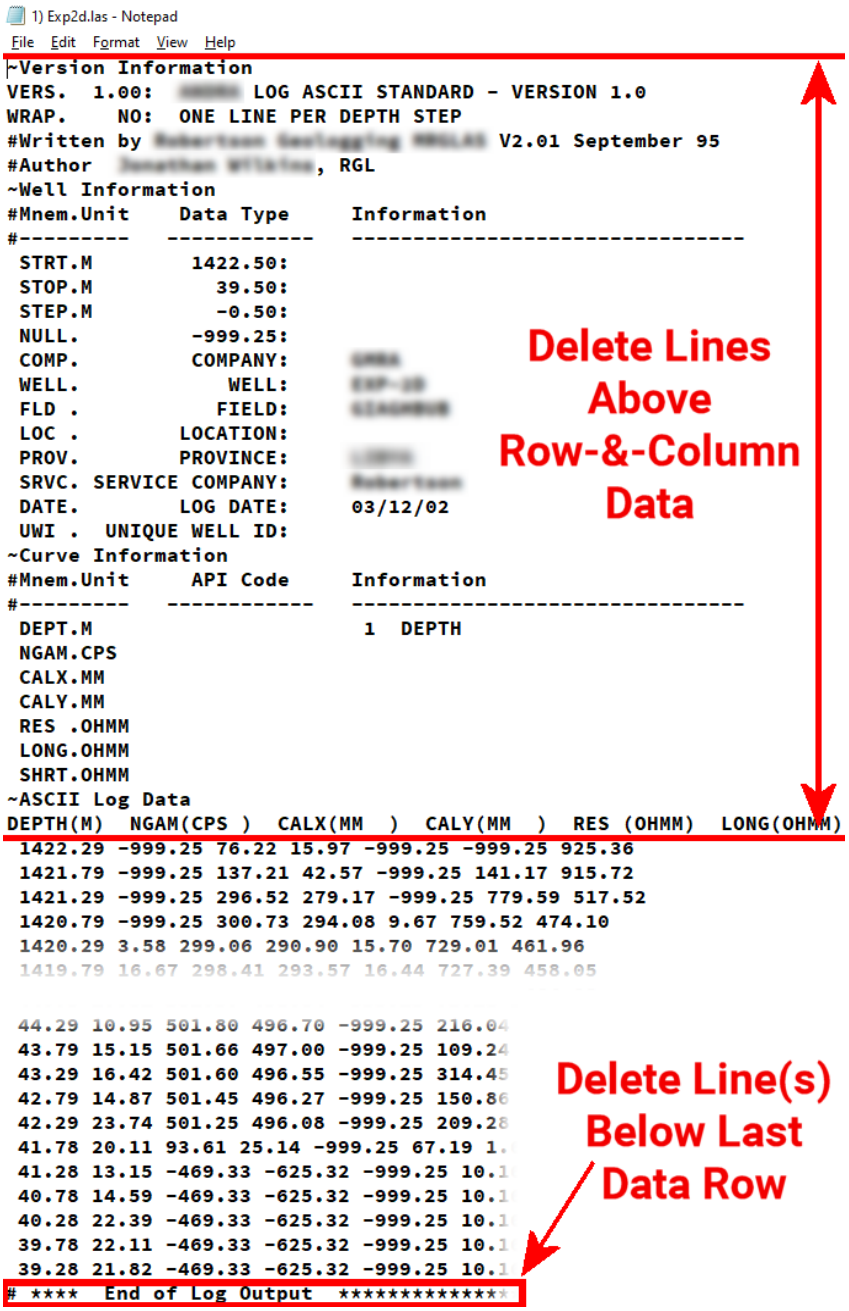

Figure 1

- Save the file with a new name (e.g., Temp.txt).

Step 2: Import the Edited File into Excel

- Open Excel, select the first cell in the first column, and select the *Data / Get External Data / From Text* tool to load the Temp.txt file (Figure 2).

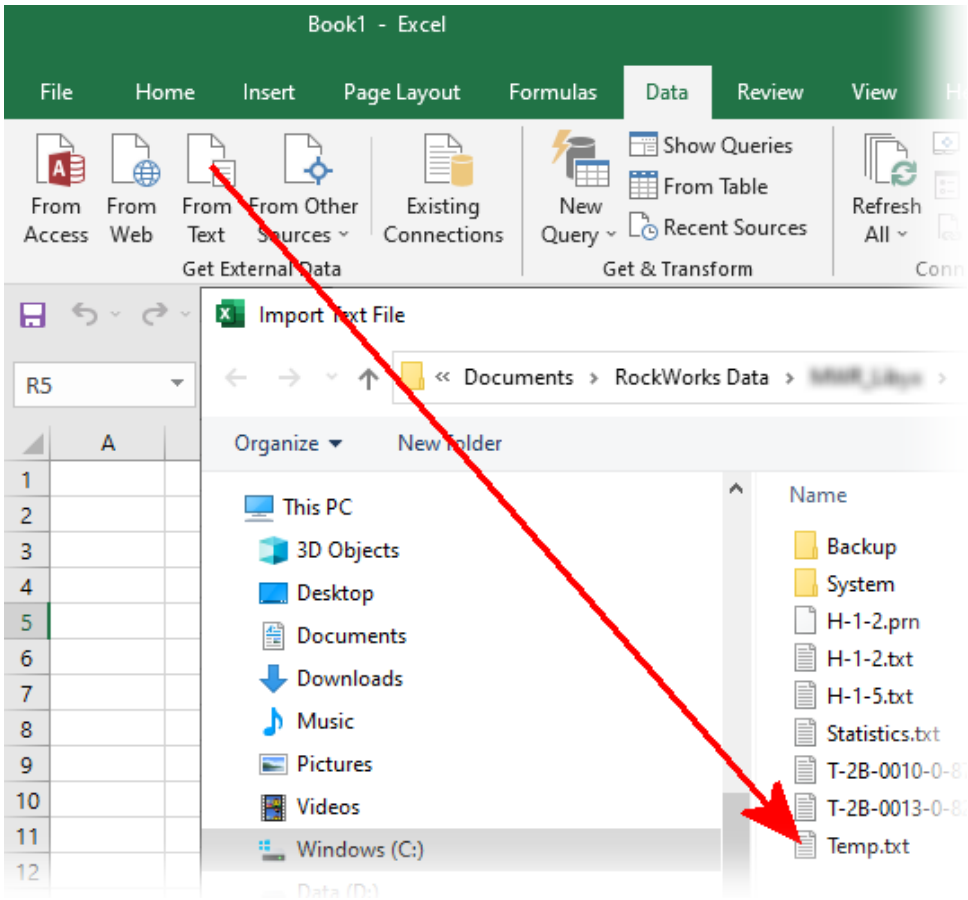

Figure 2

- Make sure that the *Delimited* option is checked within the next menu and select the *Next* option (Figure 3).

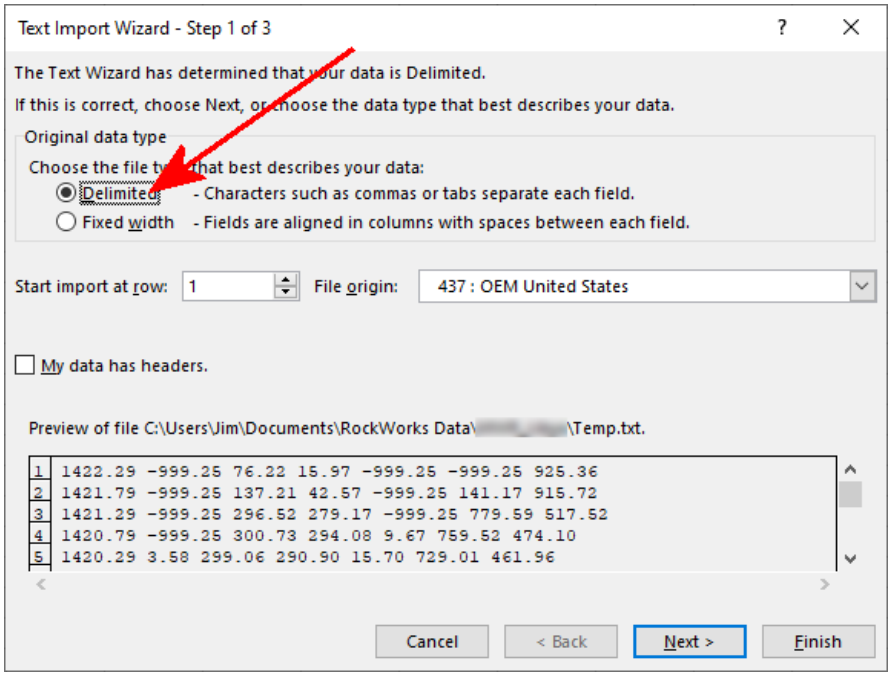

Figure 3

- Check the *Tab* and *Space* options within the next menu. (Figure 4). Notice how the data is now grouped into columns within the *Data preview* window. If the data in not properly grouped into columns, you may need to determine what the proper column delimiter is by pressing the *Back* button and examining the text within the *Preview of …* window and specifying the correct *Delimiter.* Once everything looks correct, select the *Next* option.

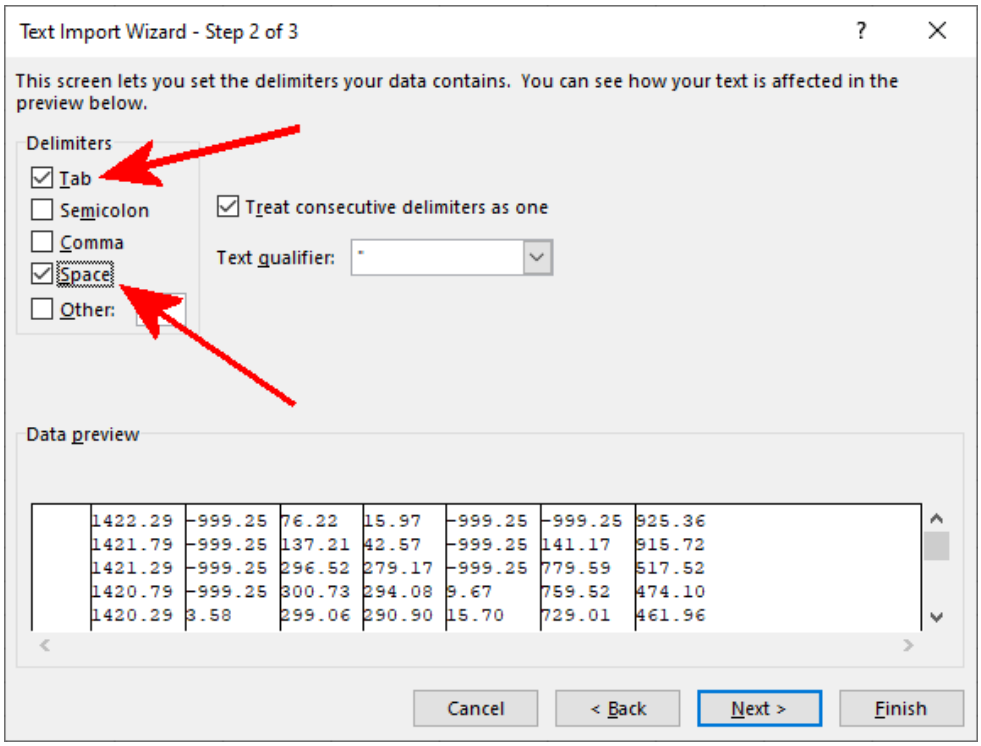

Figure 4

- Select the *General* option within the next menu and click on the Finish option (Figure 5) and click on the *OK* button within the next menu.

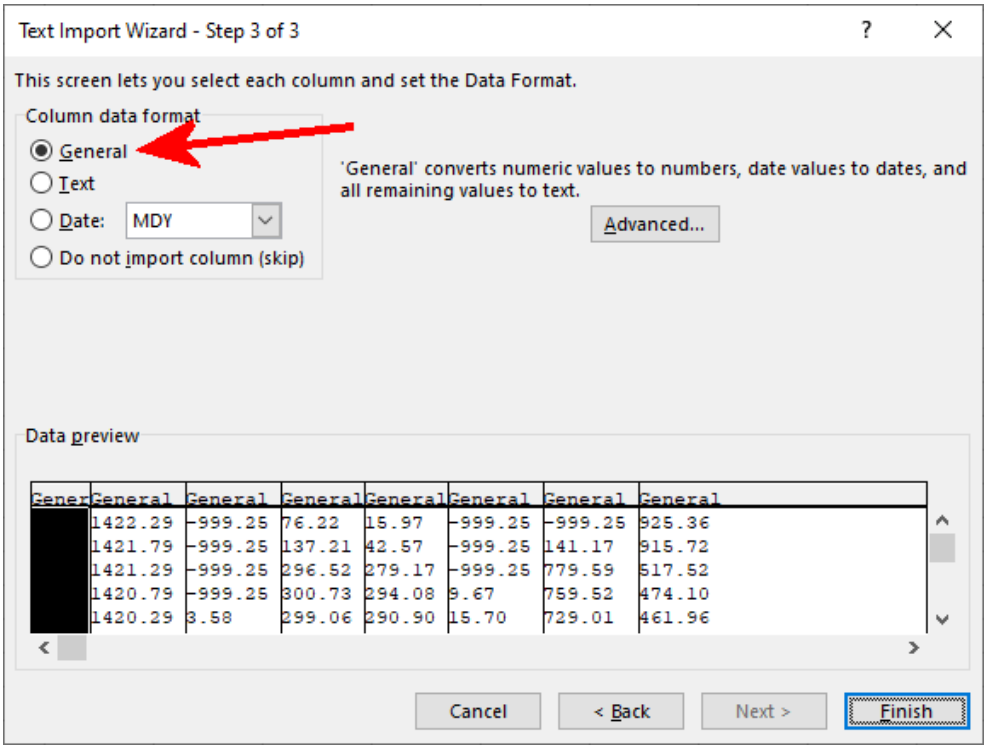

Figure 5

Step 3: Create Desired P-Data Tracks Within RockWorks

- Select the *RockWorks / Borehole Operations P-Data / P-Data Types Table* option (Figure 6), and enter the titles for any tracks that you want to import that are not already listed within the table.

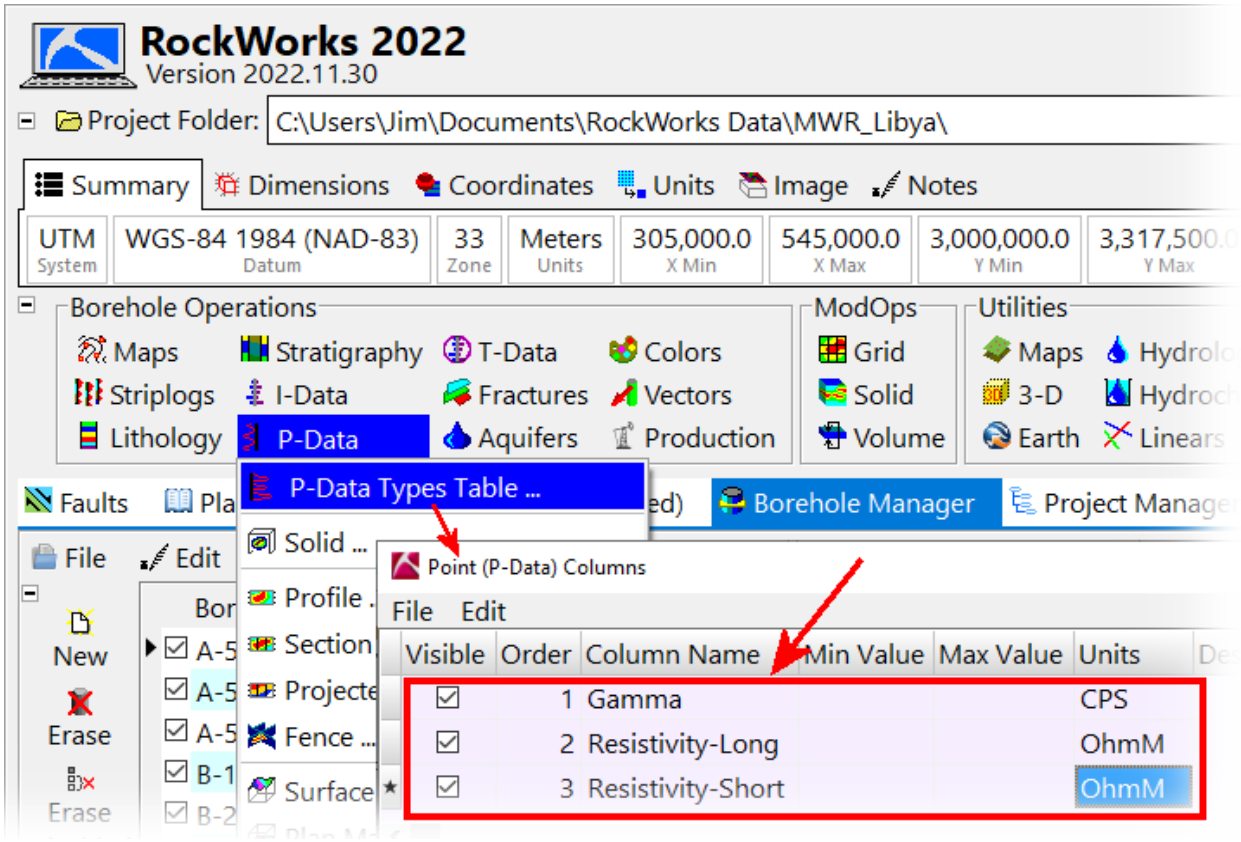

Figure 6

Step 4: Copy Data from Excel to RockWorks

- Within the RockWorks Borehole Manager, open the P-Data tab for the well that the data will be copied into and select the Datasheet option (Figure 7).

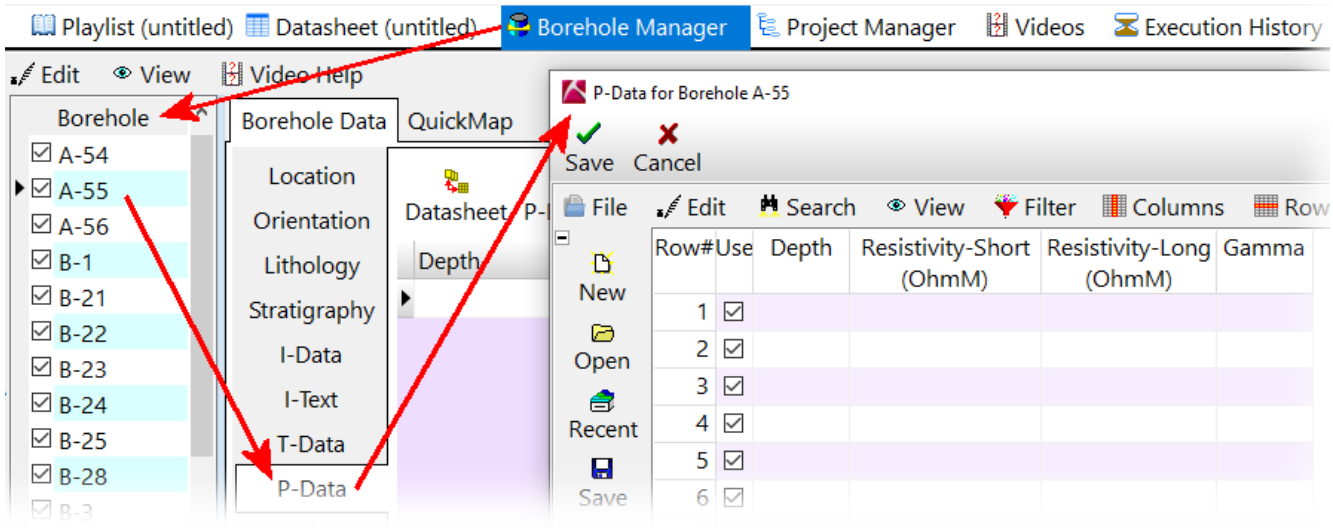

Figure 7

- Starting with the Depth column, copy and paste the appropriate columns of data from the Excel spreadsheet to the appropriate columns within the P-Data Datasheet (Figure 8).

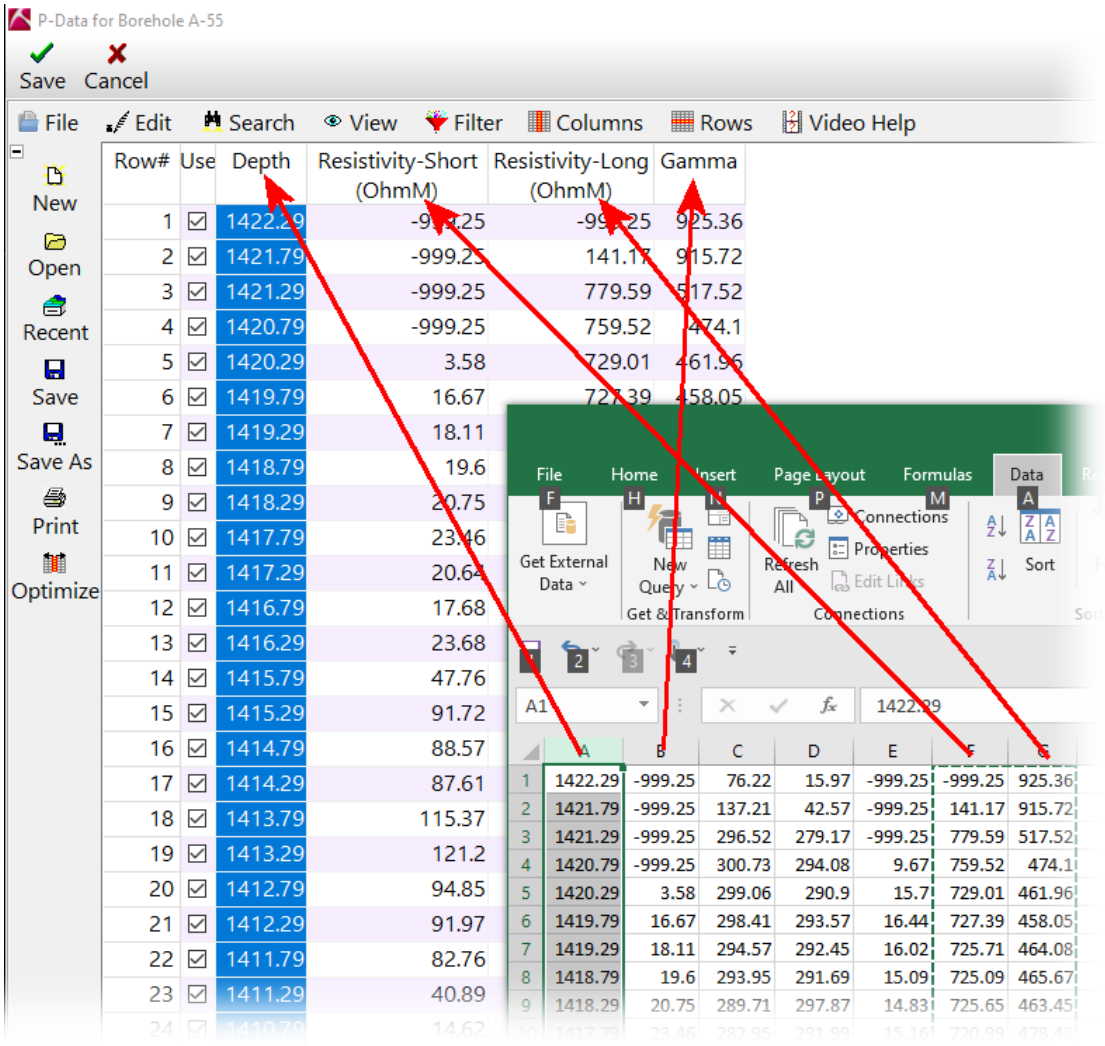

Figure 8

- If the import includes values that represent "no data" (Figure 9), they can either be (1) manually deleted within the datasheet, automatically replaced with the *Datasheet / Search / Find & Replace* tool (Figure 10), or filtered when creating diagrams and interpolating diagrams.

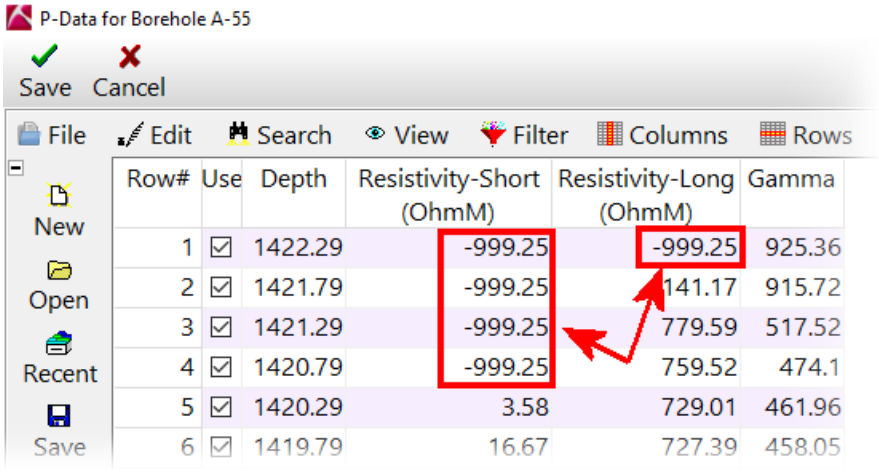

Figure 9

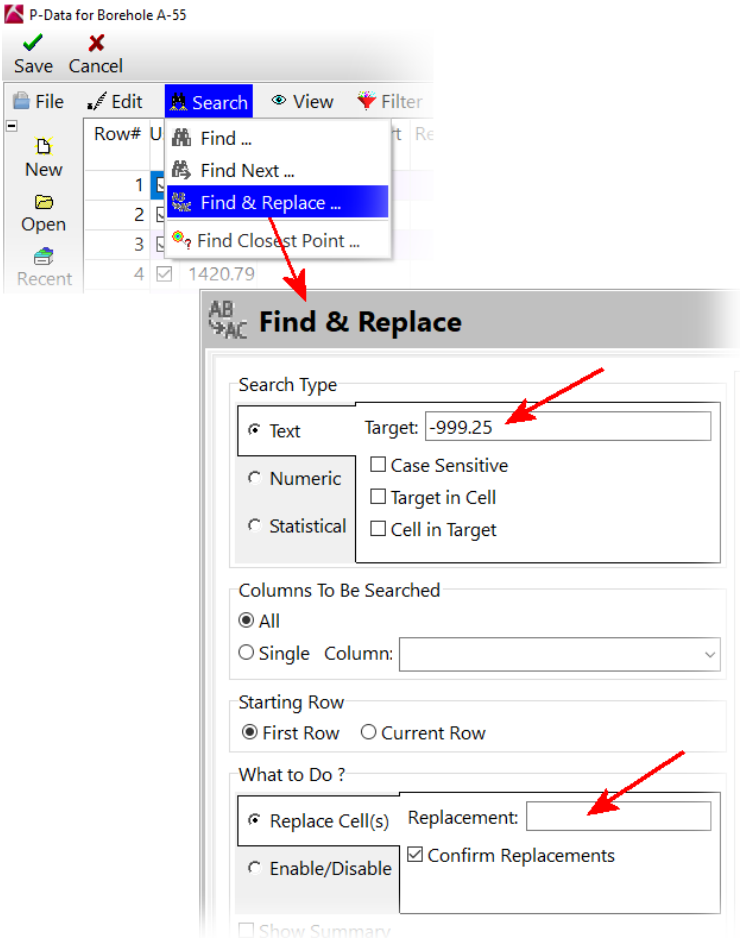

Figure 10

- Once the Datasheet has been saved, all of the data will be sorted by depth into the P-Data table within the Borehole Manager Database.

Step 5. Adjusting the Borehole Depths

- As new borehole P-Data is added to the database, the TDs for the boreholes can be automatically adjusted by selecting the *Borehole Manager / Edit / Adjust TDs* (Figure 11).

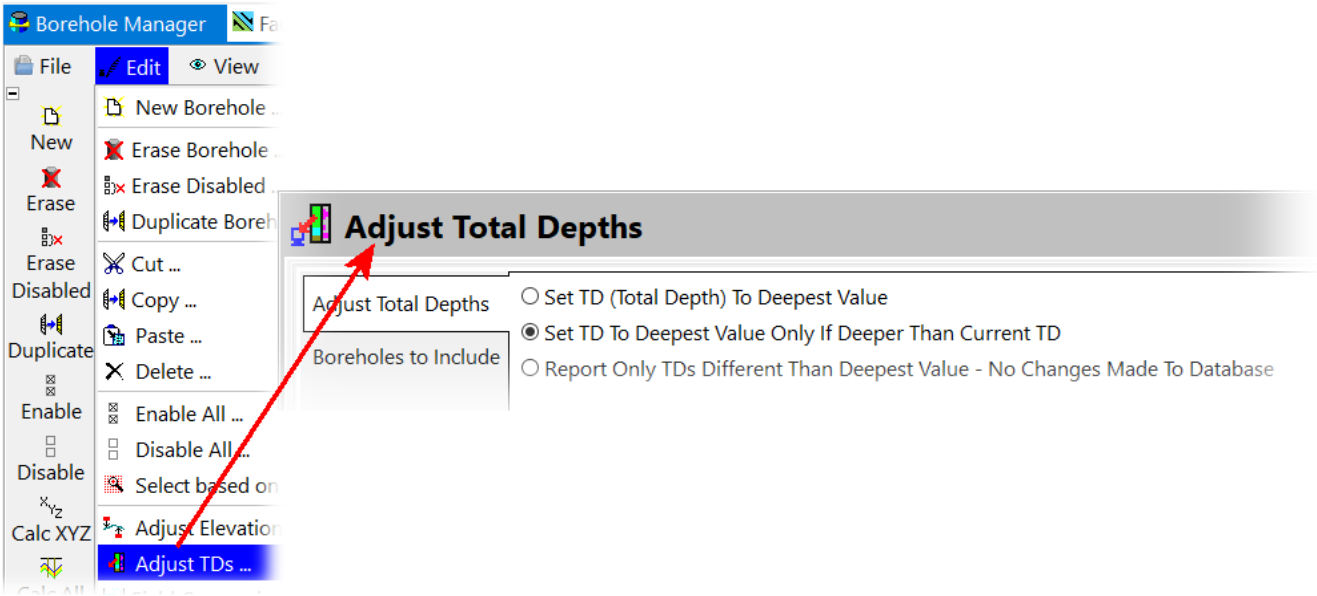

Figure 11