

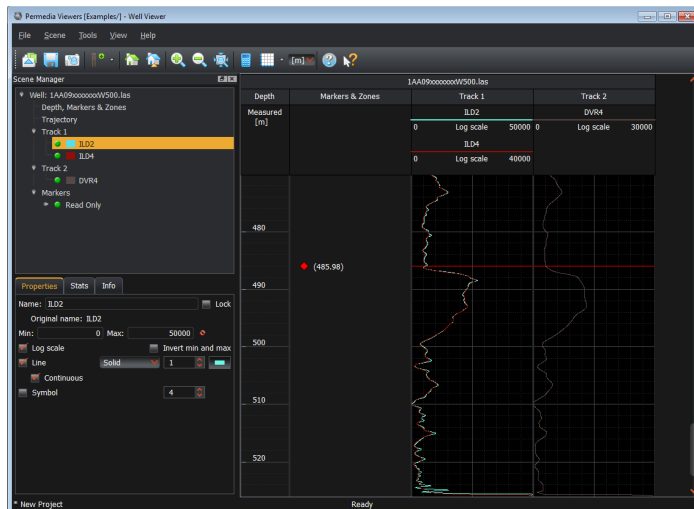


Spotlight – Well Viewer

Visualizing well data

The Permedia Viewers Well Viewer is an easy-to-use tool for viewing data against depth. Using Well Viewer, you can open any Log ASCII Standard (.las) file and view curve data against any other well data.

1. Open the LAS file in Well Viewer. (In the main window under Wells, double-click the LAS file.)
2. Select the traces to display in tracks and click Continue.
3. To add traces to tracks, right-click the track and choose Add Traces, then select the traces and click OK. The image below shows ILD (deep induction resistivity).
4. To co-render data from other wells, from the File menu, choose Load, select a well, and click OK. The traces from the second well are now available to add to tracks.



Wireline log data

You can also drag and drop a variety of other data into Well Viewer, including maps, meshes, and volumes:

- Drop in any map to display markers at the intersection point with the well.
- Drop in a seismic volume to extract values along the well path.
- Drop in any basin modeling mesh to extract mesh zones and properties. Well Viewer extracts the selected mesh data where it intersects the well and displays mesh properties as traces, and creates markers at the boundary between each mesh layer, and zones for each layer.
- Drop in curves or tables to see calibration or geochemistry data plotted as traces alongside your well data.

Use the Scene Manager to set trace and track properties such as line style, thickness and color.

Save your session as a well project to preserve open traces and calculations.

Other things to try

With Table Editor, use Well Viewer to examine data in any ASCII file. In this way, you can display wireline log data from a well against, for example, measured core and sidewall core porosity from a text file.

1. Open an ASCII file with columnar data in Table Editor. (In the main window under Table and Text Files, right-click the file and choose Open in Table Editor.)

	1	2	3	4	5	6	7
1	Depth	Kh	Kv	Poro	So	Sw	Description
2	2105.5	128	110	21.9	1.1	55.8	core
3	2096.5	2.26	2	18.2	-999	48.8	core
4	1616	303	-999	21.6	-999	-999	sidewall
5	1617	488	-999	22	-999	-999	sidewall
6	1618	500	-999	21.3	-999	-999	sidewall
7	1619	58	-999	18.6	-999	-999	sidewall
8	1620	64	-999	24.6	-999	-999	sidewall
9	1660	13	-999	19	-999	-999	sidewall
10	1661	265	-999	20.3	-999	-999	sidewall
11	1662	311	-999	22.1	-999	-999	sidewall
12	1663	244	-999	26.2	-999	-999	sidewall
13	2044	0.92	-999	16.3	-999	-999	sidewall
14	2046	0.34	-999	14.6	-999	-999	sidewall
15	2049	6.88	-999	18.1	-999	-999	sidewall
16	2052	14	-999	19.2	-999	-999	sidewall
17	2056	2.98	-999	16.7	-999	-999	sidewall
18	2063	10	-999	19.1	-999	-999	sidewall
19	2064	7.62	-999	18.4	-999	-999	sidewall
20	2066	3.34	-999	17	-999	-999	sidewall

Petrophysical data in an ASCII file

2. From the View menu, choose Well Viewer.
3. Choose the column of data specifying depth values from the Measured depth drop-down menu.
4. Click OK. The data is displayed in Well Viewer.