

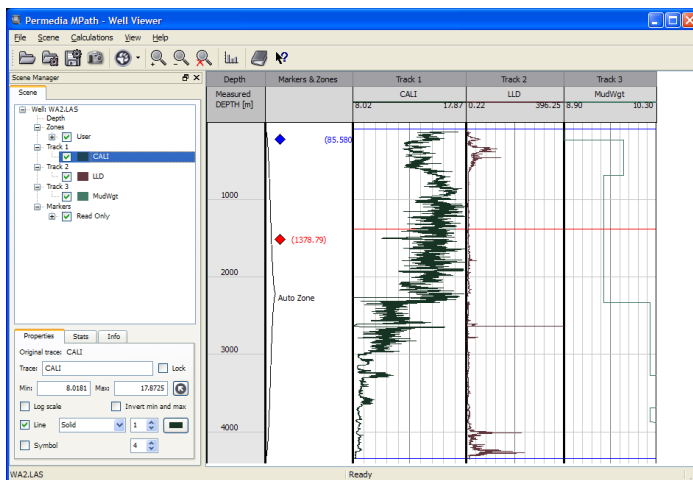


# MPath Spotlights – Well Viewer

## Visualizing well data

MPath's 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.  
(To do this, in the main window under Wells, right-click the LAS file and choose Open in Well Viewer.)
2. Select the traces to open in new tracks and click Continue.



Wireline log data

Select tracks and traces in the Scene Manager to change display properties such as gridlines and ranges.

Use the File>Load option to co-render data from other wells or curves, to extract data from volumes along the well trajectory, and display map and mesh intersection points.

## Other things to try

In conjunction with Table Editor, Well Viewer can be used as a stand-alone tool with which 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.  
(To do this, in the main window under Text Files, right-click the file and choose Open in Table Editor.)

	1	2	3	4	5	6	7
	Depth	Kh	Kv	Porosity	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 measured depth values from the ZM values drop-down menu, or choose Generate measured depth and specify the columns with X, Y and Z coordinate data, and click OK.
4. Select the columns to open as traces in Well Viewer and click Continue. The data is displayed in Well Viewer.

Launch Data Explorer from Well Viewer (View>Data Explorer) to create cross plots and summary statistics for the extracted well data. Select points in the cross plot to highlight the data as a marker in Well Viewer.

## Performing calculations

Using Well Viewer's equation and scripting support, create any number of traces on the fly based on existing traces, or other data added to the scene. For more complicated equations or to use external data, lookup tables or other types of data, Well Viewer's scripting support lets you easily add custom calculators, without the need for any additional tools. The scripting engine is based on Qt Script, a derived form of the Javascript programming language. (Scripting requires separate Well Toolkit license.)