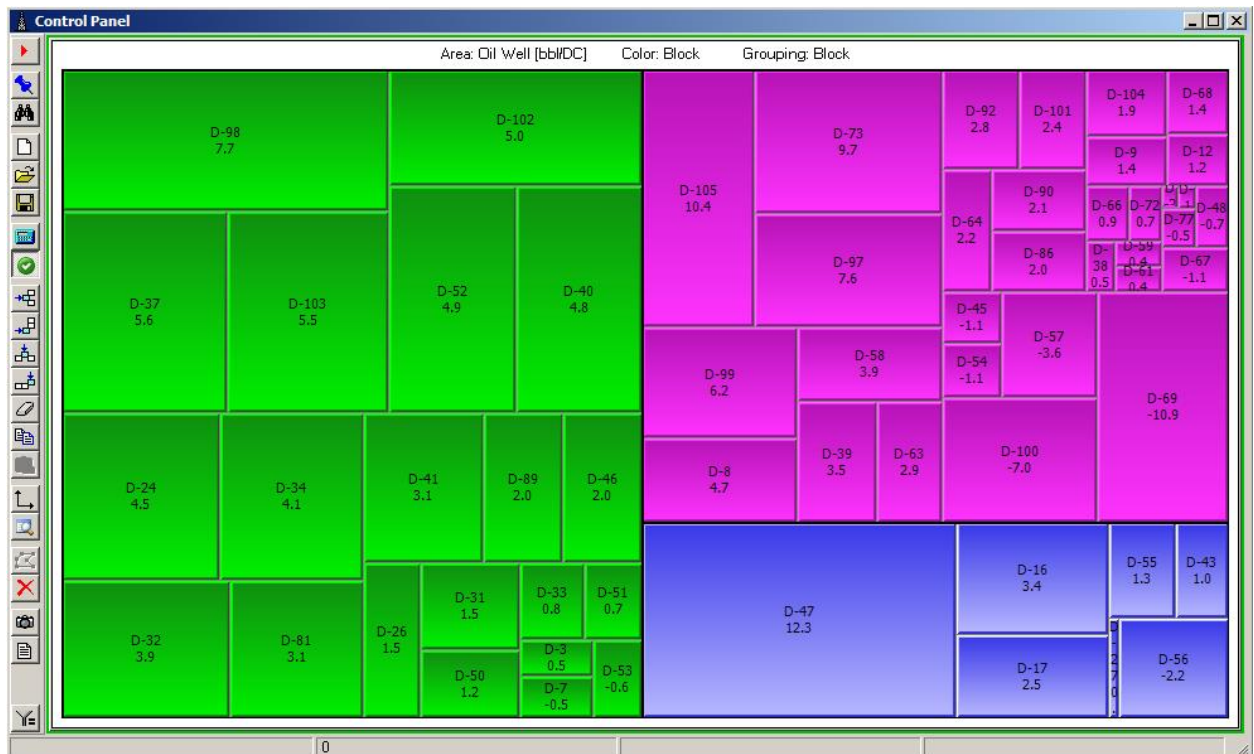


▲ Control Panel: Tree Map Chart

A new type of graph has joined the Control Panel: the Tree Map.

A tree map is a visualization of hierarchical structures. It is very effective in showing attributes using different sizes and colors.



The color can represent a different attribute than the one that represents the rectangle, and the rectangles can be grouped using another property.

Tree maps enable users to compare attributes and help them spot patterns and exceptions. This kind of charts are excellent analysis tools for a project diagnosis.

In addition, as Tree Maps are in the control Panel, they are linked with the other charts and windows, helping to integrate the information for a better analysis.

Toolbar

The toolbar allows to obtain screenshots and reports from the Tree Maps or any other chart configured in the Control Panel window.

Configuration Panel

When selecting the Tree Map in the Control Panel, many options will be available for configuration. Some of them will be the same that in other charts and some unique of Tree Map.

[-] General	
[-] Chart	
Data Type	General ▾
Chart type	TreeMap ▾
Title	
Table	<input type="checkbox"/>
[-] Main variable	
Variable	Oil Well Mon... <input type="checkbox"/>
Function	No ▾
Type	Automatic ▾
Gamma	<input type="checkbox"/>
[-] Secondary variable	
Variable	Oil Well <input type="checkbox"/>
Function	No ▾
Type	Automatic ▾
Gamma	<input type="checkbox"/>
[-] Options	
Color	Secondary v... ▾
Date	12-2007
Borders	<input checked="" type="checkbox"/>
Plane	<input type="checkbox"/>
Text	Name and Va... ▾
Grouped by	Static Attribute ▾
Attribute	Block ▾
Open by well	<input checked="" type="checkbox"/>

General

The style and size font can be configured

Chart

The Tree Map is only available in Data Type **General**. The user can set a Title and choose if viewing the data in a graph or a table.

Main variable

This variable will give to the rectangles the area. Any production variable can be chosen, and the Function option allows to show the variation to another month.

The user can choose a color gamma to represent this variable.

Secondary variable

This variable will give to the rectangles the color.

Options

The user can choose:

- The rectangle color (Main variable, secondary variable or grouping)
- The graph data (it will have priority over the General date)
- Highlighting the groups selecting Borders.
- Remove the shadowing, so the rectangles seem planes.
- Which data show in the rectangles: Name, Values, both or none.
- The grouping criteria: static attribute, dynamic attribute, main variable sign.
- Checking on **Open by well** will show the wells included in each group.

Category	Well	Oil Well Monthly[bbbl]	Water Well Cum[Mbbbl]
NORTHWEST	D-3	121.4	398
NORTHWEST	D-7	251.6	6005
CENTRE	D-8	491.2	4008
CENTRE	D-9	481.2	9217
CENTRE	D-12	504.4	4406
CENTRE	D-14	217.0	2534
SOUTHEAST	D-16	478.0	1018
SOUTHEAST	D-17	797.5	5994
CENTRE	D-20	309.5	7315
NORTHWEST	D-24	995.7	12521
NORTHWEST	D-26	318.3	3036
SOUTHEAST	D-27	7.5	1026
NORTHWEST	D-31	331.5	4296
NORTHWEST	D-32	146.6	1430
NORTHWEST	D-33	99.4	3430
NORTHWEST	D-34	688.7	7053
NORTHWEST	D-37	696.9	8263
CENTRE	D-38	217.6	615
CENTRE	D-39	898.2	4138
NORTHWEST	D-40	605.7	6043
NORTHWEST	D-41	295.6	2177
SOUTHEAST	D-43	118.9	2753
CENTRE	D-45	219.5	5190
NORTHWEST	D-46	491.9	948
NORTHWEST	D-47	690.6	4203
CENTRE	D-48	233.4	5862
NORTHWEST	D-50	98.1	3757
NORTHWEST	D-51	364.2	2412
NORTHWEST	D-52	422.7	1748

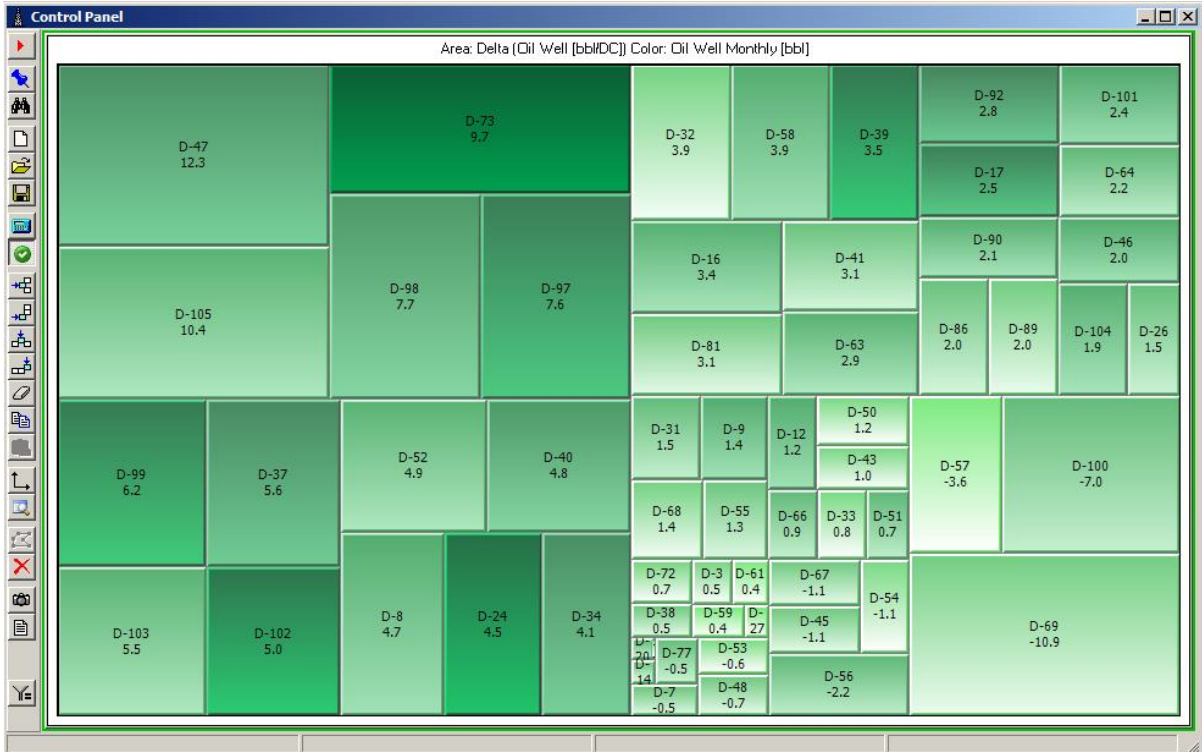
Table view example.

Example

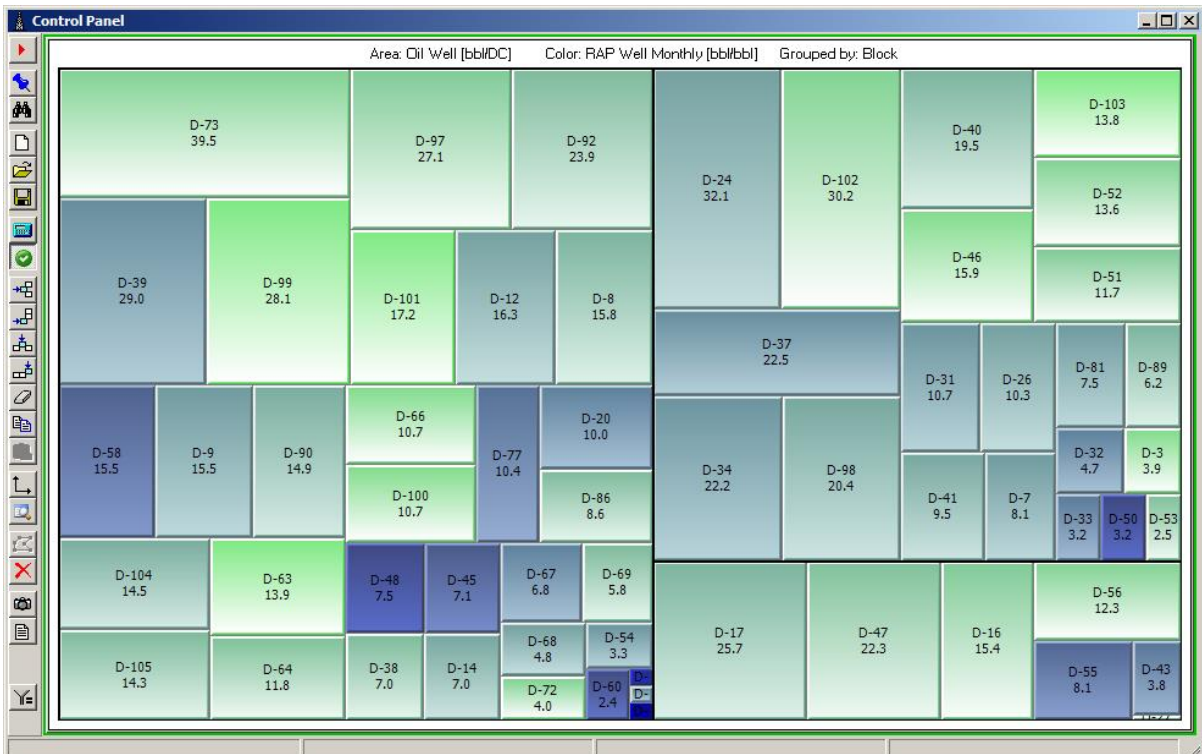
The next Tree Map is showing the oil variation from previous month as main variable, and the color of the rectangles according to the cumulative oil production.

This chart can help to rapidly see which are the wells with more production variation, and also which of them has the greater rates, doing the difference more relevant.

In addition, the data can be grouped using another characteristic (e.g.: static attributes, dynamic attributes or variables sign).



Oil production lost, colored by monthly oil production.



Oil production, colored by RAP and grouped by Block

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