IHS Petra Log Correlation Module

Pick tops across new areas with unprecedented speed.

The IHS Petra® integrated Log Correlation Module is designed to increase the speed and ease with which you pick tops across a basin or play.

Simplify Your Tops Picking Workflow

Petra's Log Correlation module features a simple step-by-step process to help you pick tops, pay, and unassigned tops. This process guides you through well selection, track and log assignment (both digital and raster logs are supported), depth intervals, and tops picking style.
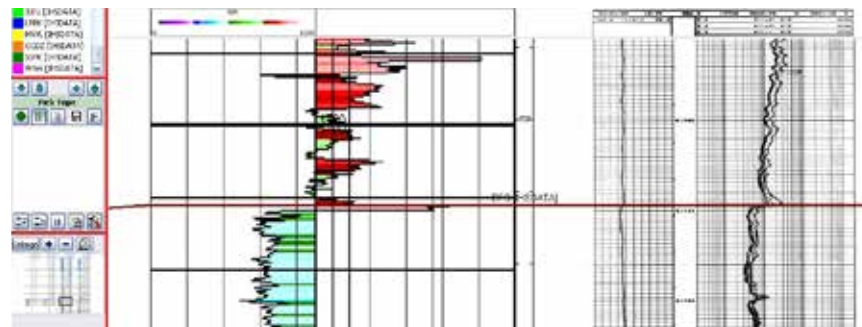
Flexible Well Selection

Select wells using a query result, pick them from the Map Module, or use the wells previously selected in your Cross Section Module. Petra gives you the options you need to find the wells that will maximize your return.

Identify Track & Log Assignments

The Log Correlation Module uses an innovative "Log Type" assignment to help you quickly identify the raster and digital log types you would like to display in each track. Log Type lets you subset and filter the raster group names from your main Petra database to locate only the logs you would like to use.

Set Depth Ranges

Petra's Log Correlation Module can be set to a user-specified depth range (top and bottom), or can be automatically set to the top and base of the selected logs or tops.

Quickly pick tops on digital and raster logs using the Log Correlation Module, and interpolate between wells based on log data using the interpretive color fill functionality.

Post Log Curves

Petra has a variety of options to help you better understand your digital curve data:

- Color Fill: In addition to being able to select the curve color, you can also select a color fill to highlight zones of interest. The color fill can be solid or shaded, based on the values of the logs.

- Curve Cut-Offs: A cut-off value can be applied to the color fill to highlight only the high or low values.

- Cross-Over Fills: Highlight hydrocarbon zones with Petra's cross-over color fills.

Pick Formation Tops

Select formation tops to display from Petra's database. Multiple sources of tops can be arranged in a hierarchy to ensure that data is always available on your cross section. For example, you can show tops that you or a co-worker have picked, and if those tops are missing, Petra can fill in the gaps with high-quality tops from the IHS Information HUB database.

Choose Your Pick Style

The innovative new Pick Style options in the Log Correlation window allows you to pick the way you prefer to work—either pick one top across the entire cross section in a traditional workflow, or set a list of tops and work successively down each wellbore, in order.

Choose Your Pick Type

The Log Correlation Module has several flexible pick types—Tops, Unassigned Tops, Pay Zones and Faults—to suit your workflow and depositional environment.
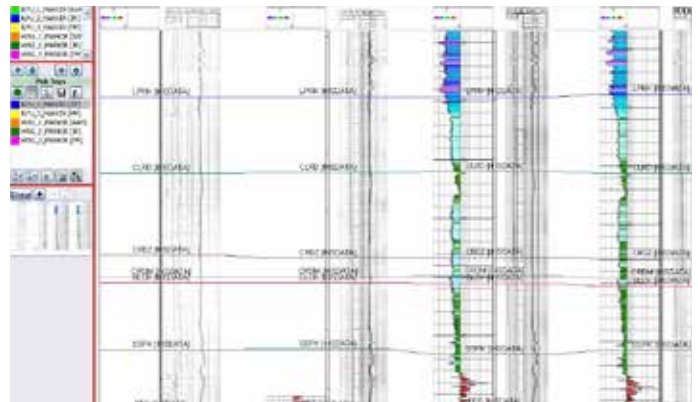
Pick & Display Fault Gaps

Fault gaps can be picked and graphically displayed in the Cross Section to aid in your geological interpretations. Faults are stored to the Petra database for query and archiving.

Shift Depth Datums Easily

The depth datum can easily be shifted from elevation (structural) to a particular top (stratigraphic) to let you fully analyze and understand both the depositional environment and the current structural setting.

Pan and Zoom

Easily pan and zoom with the mouse cursor to increase the speed of your workflow.

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ABOUT IHS

IHS (NYSE: IHS) is the leading source of information, insight and analytics in critical areas that shape today's business landscape. Businesses and governments in more than 150 countries around the globe rely on the comprehensive content, expert independent analysis and flexible delivery methods of IHS to make high-impact decisions and develop strategies with speed and confidence. IHS has been in business since 1959 and became a publicly traded company on the New York Stock Exchange in 2005. Headquartered in Englewood, Colorado, USA, IHS is committed to sustainable, profitable growth and employs about 8,800 people in 32 countries around the world.