

WellInfo

— Static Well Data Visualization



WellInfo is a comprehensive tool to create a variety of geological and reservoir graphs including: cross sections, 2D & 3D well trajectories, 2D& 3D fence diagrams and composite stratigraphic column. WellInfo can also store well logs in .LAS format and view them. WellInfo can also view wellbore schematics created in the PEOffice module WellString.

Main Functions

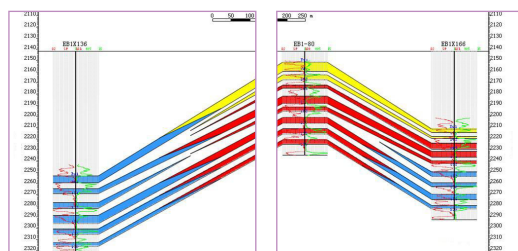
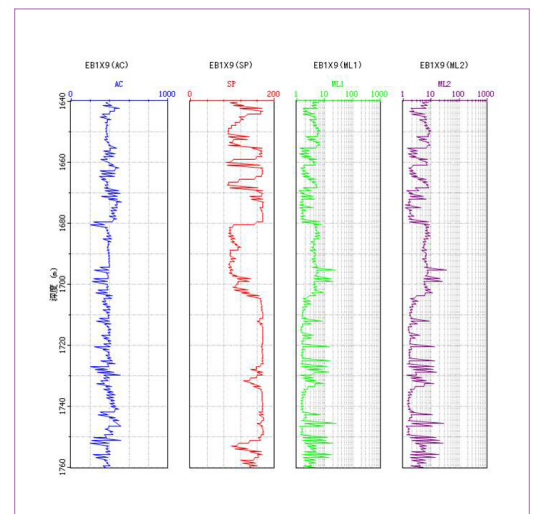
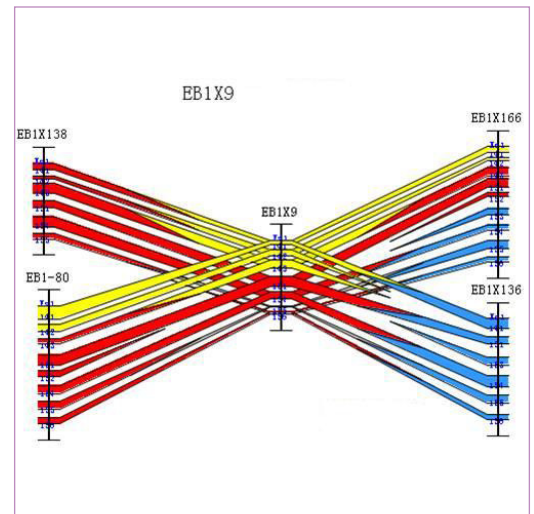
Single Well Information

Comprehensive tool for viewing and query of static well data based on well location map

- Wellbore trajectory data
- Production casing data
- Tubing data
- Lift equipment data
- Combined casing/tubing data
- Well logging curves
- Formation data
- Fault and breakpoint data

Fast query

- 3-D well trajectory diagrams can display wellbore component information at appropriate places according to their real downhole positions, thus assisting field engineers to analyze downhole situations comprehensively.
- Well logging curve
- Downhole string diagram
- Single well composite stratigraphic column



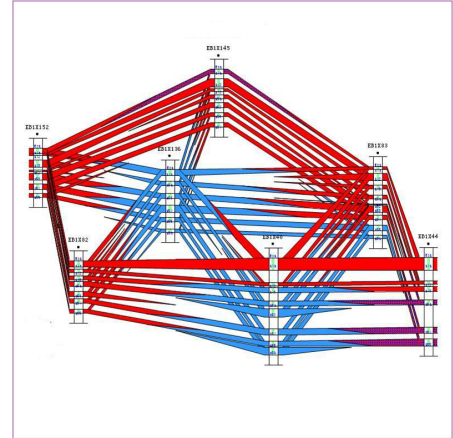
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2-D Cross-Section Diagram

- Fence diagrams can be created through well location map
- User defined faults and oil-water contact.
- Automatically display fault and breakpoint.
- User defined adjustments of between-well distance and pinch out position
- Provide display of directional well track projection
- Allow to select formation filling pattern and display of well logging curve
- Multiple graphs can be mapped for comparison analysis

2-D Fence Diagram

- Fence diagram by well location map, well names, well groups and layers
- Users can edit Faults and well logging curves
- Multiple graphs can be mapped for comparison analysis



3-D Fence Diagram

- Auto-create 3-D fence diagram. Graphs by rotated to analyze between-well connectivity

Main Features

- Query data and auto-create maps based on well location map
- View Well logs and maintain database in .LAS format
- Create and display wellbore diagram
- Display component information on 3-D well trajectory diagram
- Manually add fault and oil-water contact and adjust pinch out in fence diagram
- Display track projection of directional well in fence diagram

PEOffice® is a PC/network-based software platform for integrating oil and gas reservoir management, production analysis and design. PEOffice® provides systematic computations and comprehensive analysis for reservoir model management, reservoir performance analysis, production problem diagnosis, optimized design of production parameters and analysis of oil/gas gathering and transportation system. PEOffice is widely utilized by petroleum engineers onsite and in the back office to resolve production problems and to manage oil and gas field development.



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