

WellMap — Well Location Map Editor



WellMap is the core module required to visualize reservoir and production performance map based operations throughout the PEOffice software system. It enables users to quickly create well location maps or to edit digital maps saved with popular image file formats (from Texas RRC, SONRIS, etc). WellMap offers a simple way to query both reservoir and production data and illustrate their distribution on a map.

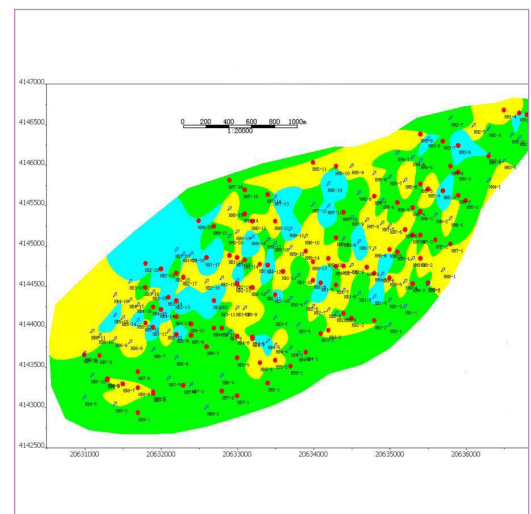
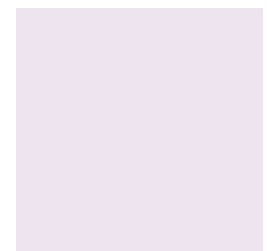
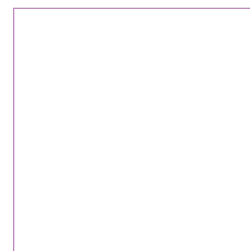
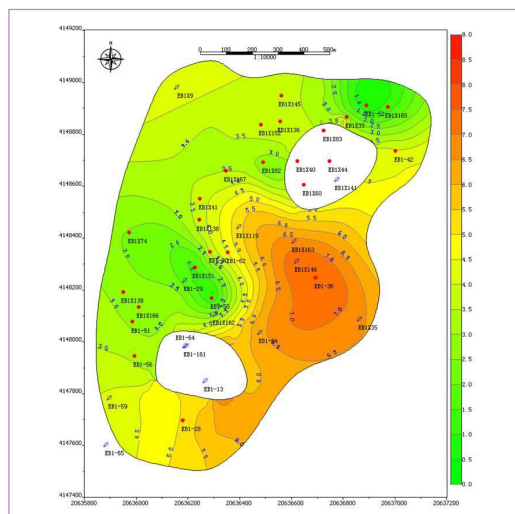
Main Functions

Well Location Map

- Quickly create bitmap and digital well location maps; display of vertical wells, deviated wells (trajectories) and multi-target wells
- Well type symbols available
- Flexible template settings associate display names with alias and symbol
- Flexible batch processing of well type
- Capability of digitizing well location bitmap

Contour Map

- Perform multiple grid interpolation methods like Kriging
- Steady and convergent fault interpolation calculation
- Auto-create or manually edit contour map
- Display contour map in grid map view
- Support superposition of well location map and contour map
- Flexible iso-line attributes settings
- Support output iso-line, fault and boundary as data file



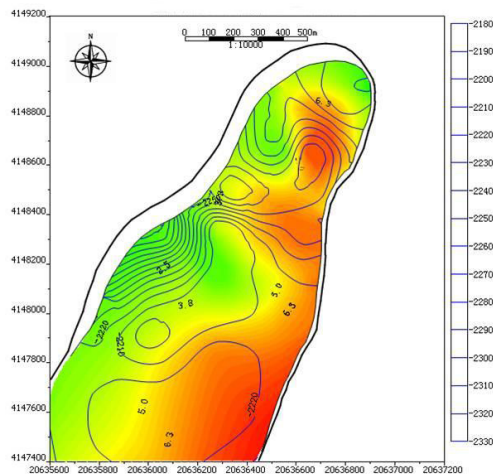
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Sedimentary facies map

- Auto-create sedimentary facies map using well location and well logging interpretation data
- Allow users to flexibly configure facies display name, type alias and display mode
- Support stack display of well location and sedimentary facies
- Supports manual edit

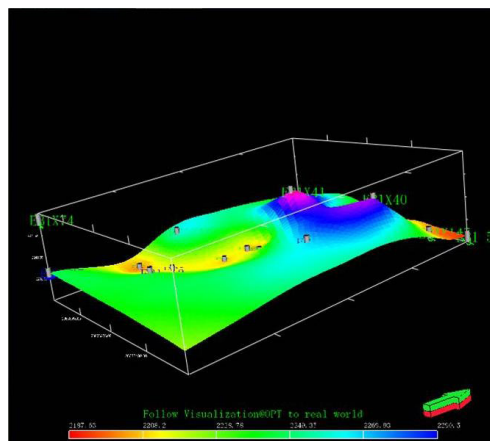
Surface pipeline network map

- Easy to create surface pipeline network map based on well location map



Main Features

- Capability of creating complex well location map
- Rich graphical display
- Flexible and useful template settings
- Provide multiple interpolation algorithms to enhance contour mapping effects
- Provide digitization of paper map
- Measure Distances (to lease lines, pipelines, etc) Measure area (acreage)
- X,Y and Lat/Long coordinate conversion (with datums preloaded)



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.



Houston

11111 Richmond Avenue, Suite 142 Houston, TX 77082 USA
Phone 1-713-787-6622 Fax 1-713-787-6623
Email optus@optpt.com

Beijing

C2001, SP Tower, Tsinghua Science Park, Beijing 100084, China
Phone 86-10-8215 0090 Fax 86-10- 82150277
Email optcn@optpt.com