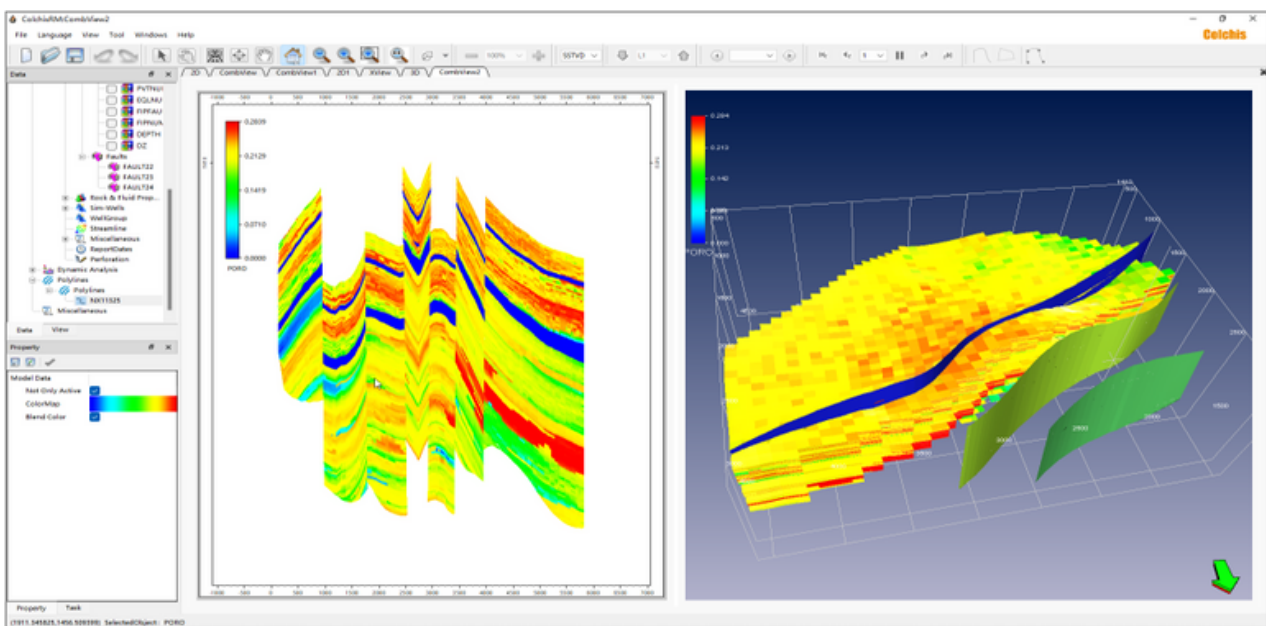


ColchisRM

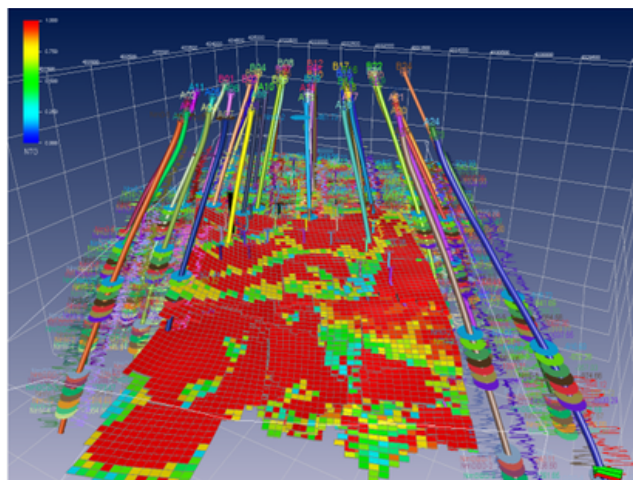
Reservoir Data Analysis and Management System

An integrated platform tailored for dynamic analysis personnel in oil and gas reservoirs, designed to be professional, user-friendly, and customized to their needs.

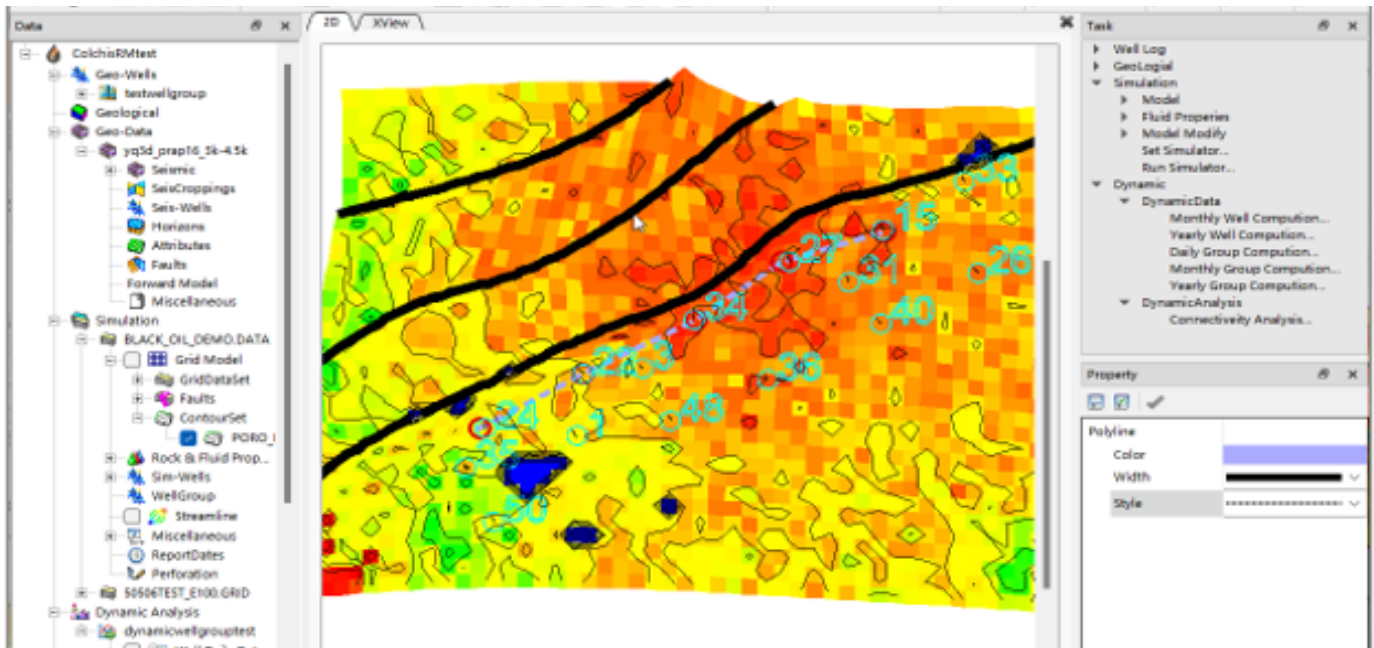


ColchisRM is a comprehensive research and management platform developed by Colchis PetroConsulting for oilfield development, integrating geology, reservoir, and engineering. ColchisRM can complete the integrated research process of geology, logging, seismic, rock physics, production, modeling, and numerical simulation, facilitating cross-disciplinary data comparison and dynamic/static data verification.

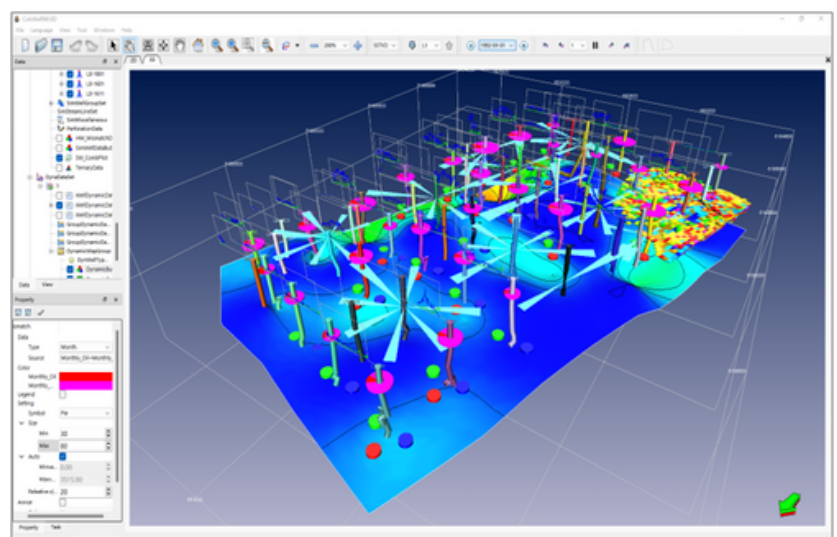
This software can share data with multiple commercial reservoir numerical simulation software such as tNavigator, Eclipse, and CMG, quickly calling numerical simulation calculation functions, and combining with the platform's rich geological and reservoir analysis functions to perform comprehensive analysis of oil and gas reservoirs. ColchisRM also supports flexible secondary development functions, enabling quick customization of analysis and plotting functions suitable for production sites according to user needs.



TECHNICAL HIGHLIGHTS

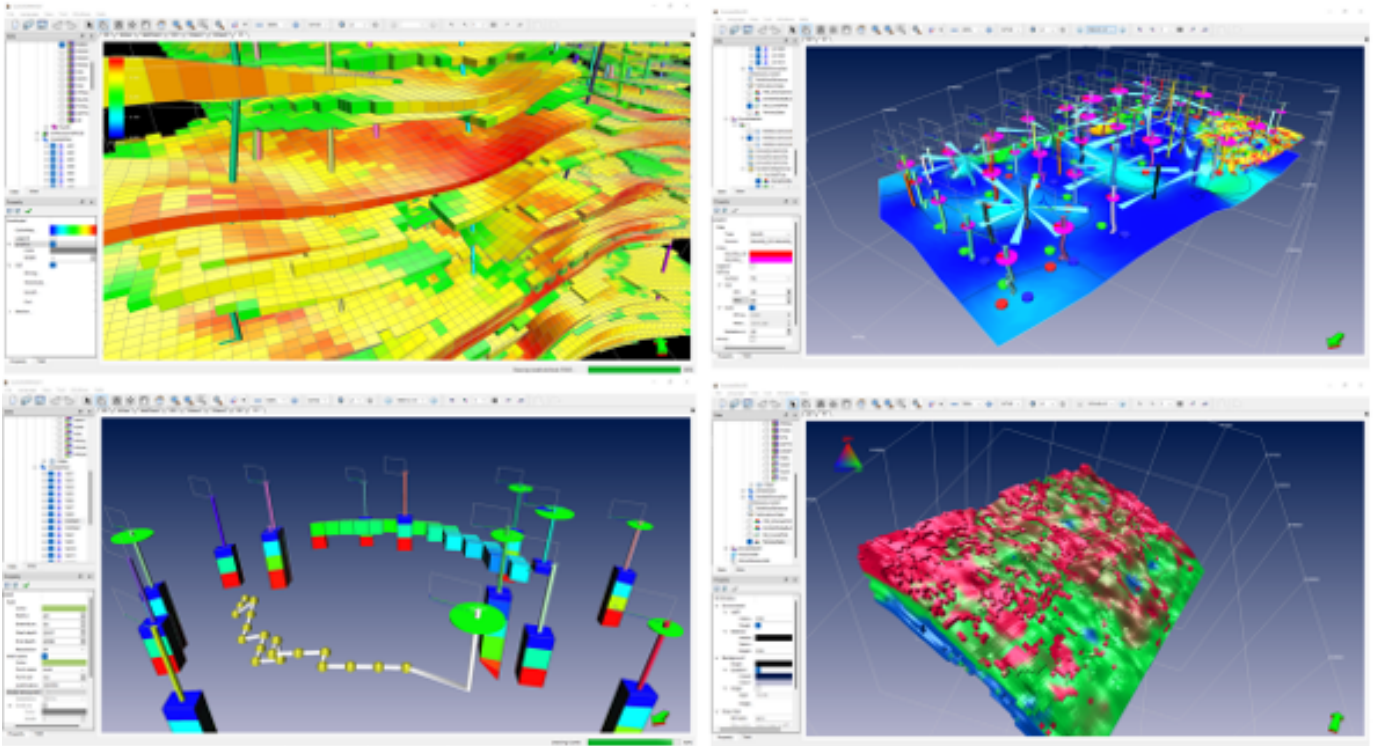


- Easy to use, lowered the barrier of entry for using large-scale numerical modeling systems such as tNavigator, Eclipse, CMG, etc., making them accessible to both experts and beginners in numerical modeling.
- Enabled interactive visualization and modification of models, allowing adjustments to property fields in a visual manner instead of relying solely on text-based modification methods.
- Assisted history matching through interactive display of well-fit error bubble charts on 2D or 3D plots, enabling rapid generation of history matching curves and well perforation layer production charts.
- Supported multiple commercial numerical modeling software such as tNavigator, Eclipse, CMG, etc., with efficient pre- and post-processing.
- Provided visualization and analysis through template-based 2D and 3D plots, cross-sectional plots, and curve plots. Various 3D slice analyses, multiple graphic overlays, attribute filtering, histogram statistics, and dynamic property interpretation were available.
- Enabled integration of seismic attributes with reservoir models, facilitating model modifications guided by seismic information.
- Offered the latest technical processes for connectivity analysis and water injection optimization, combining static and dynamic data.
- Combined numerical simulation and dynamic analysis with seismic attributes, geological maps, and other data for comprehensive research, improving research efficiency and accuracy.

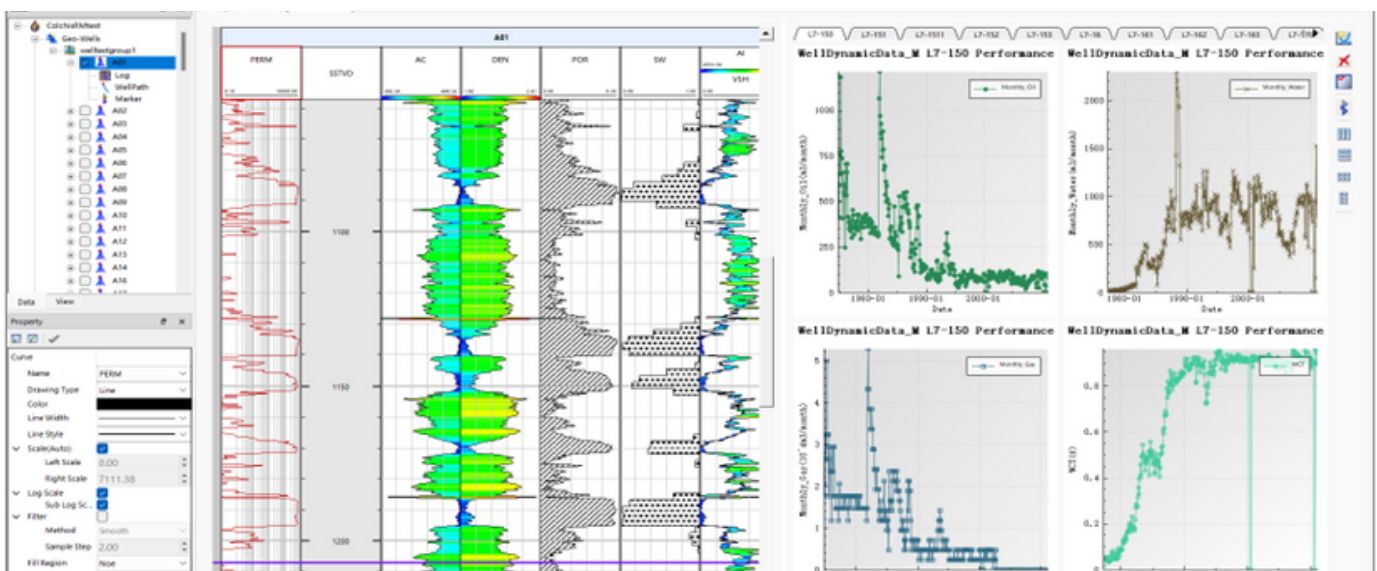


FEATURE1

NUMERICAL SIMULATION

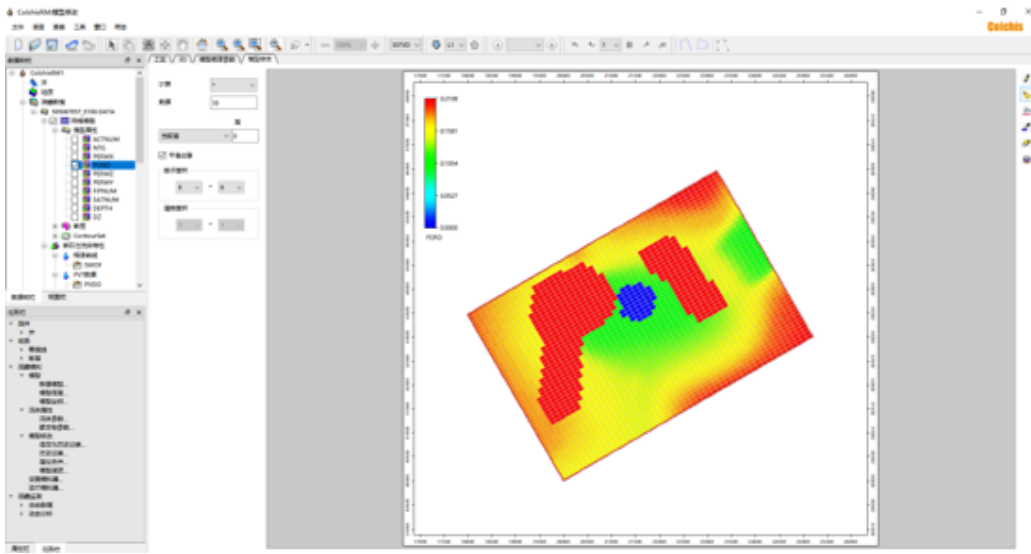


- Support for multiple commercial numerical modeling software, such as tNavigator, Eclipse, and CMG
- Importing grids and properties of reservoir models
- Exporting reservoir models
- Exporting reservoir data
- Visual analytics
- Filtering and aggregating simulation results by criteria

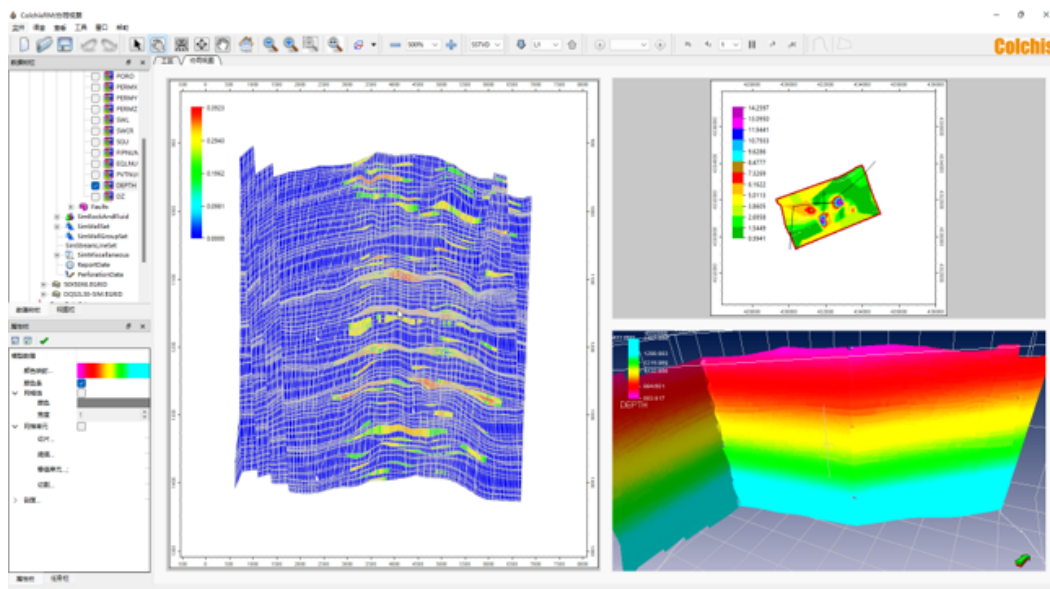


FEATURE2

DATA VISUALIZATION AND INTERACTIVE MODIFICATION



- Support for multiple commercial numerical modeling software, such as tNavigator, Eclipse, and CMG
- Import of reservoir model grids and properties
- Export of reservoir models
- Export of reservoir data
- Visualization and analysis
- Filter and statistics of simulation results



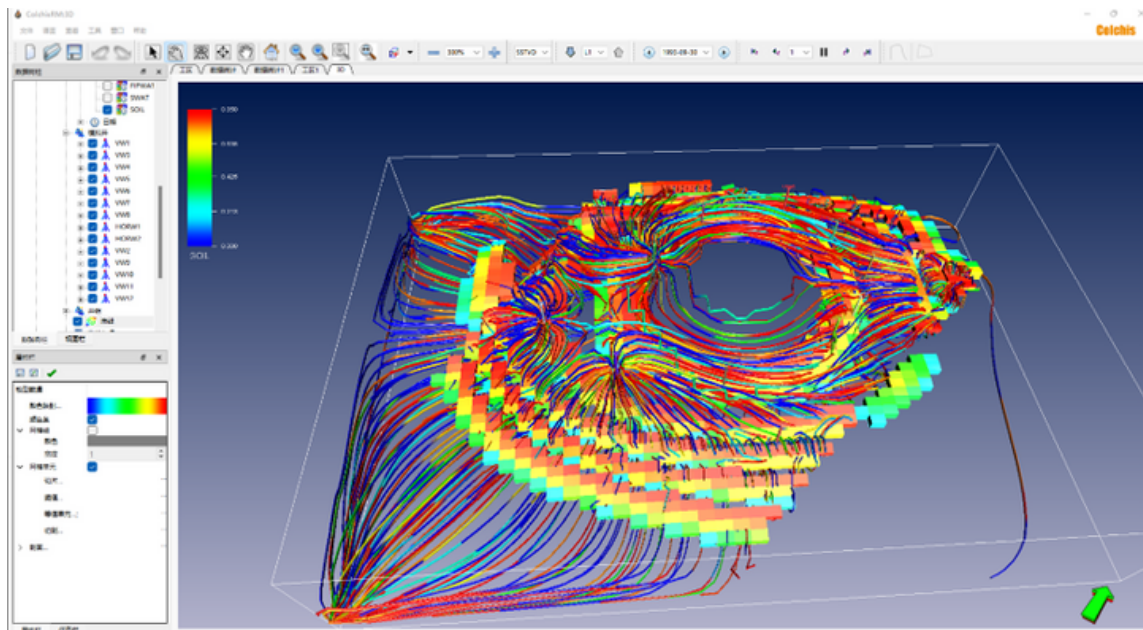
FEATURE3

DATA REGRESSION, STATISTICS, AND COMPREHENSIVE VISUAL ANALYSIS

- Production data regression with decline analysis capability
- Support for well and attribute field data statistics
- Comprehensive display of simulation dynamics, fitting errors, production curves, etc.

FEATURE4

DYNAMIC ANALYSIS



- Batch import and calculation of production data
- Custom calculation of well groups and production data
- 2D contour interpolation of production indicators
- Dynamic bubble chart of production
- Connectivity analysis and injection scheme optimization
- Load seismic attributes and display them together with other dynamics
- Import of structural drawings