Drilling Software | Sophisticated Yet Simple

PathView®

Well Path Visualization Model

Overview

Three-dimensional visualization of a wellbore trajectory has been challenging. However, calculations such as true vertical depth and dogleg severities and the ability to see well paths in a 3D workspace are important because they can help engineers visualize a development plan, avoid well collisions, and effectively present the plan to others.

By combining survey calculations with visualization technology, PathView provides an interactive, true 3D-rendered view of a single well, multiple wells, multilateral and multi-level sidetracks. The anti-collision feature accurately calculates the minimum distances across wells and graphically shows the distances in a 3D space. PathView brings well path visualization to a new level with options like 3-way projections, curved walls, various transparency, etc.

Benefits

Improved Well Planning and Optimization

- Helps prevent costly wellbore interference by accurately calculating and visualizing minimum distances between wells.
- Offer versatile visualization options to suit different analysis needs.

Enhanced Communication and Collaboration

- Enables multiple users to work together on wellbore designs and analysis.
- Creates visually compelling representations of wellbore plans, facilitating communication with stakeholders.

Data Integration

- By combining survey calculations with visualization technology, PathView integrates various data sources, making it easier to analyze complex drilling environments.

6100 Corporate Dr., Ste 448, Houston, TX 77036, USA | Tel: (713)981-5558 | Fax: (713)981-5556 | info@pvisoftware.com | www.pvisoftware.com

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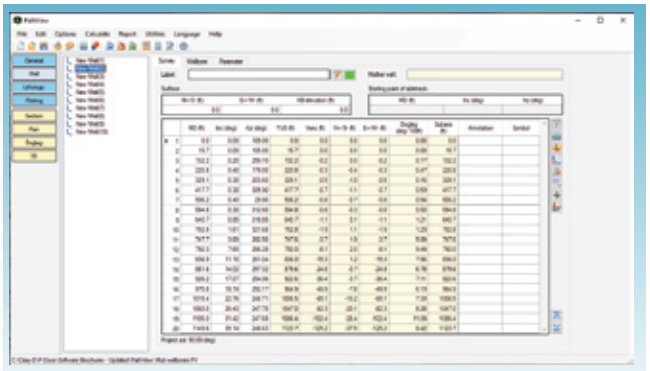
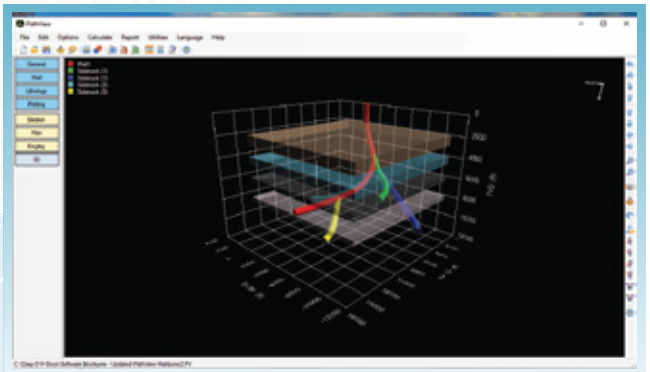
PathView®–Well Path Visualization Model

Features

- True 3D-rendered wellpath visualization
- Anti-collision calculations
- Surface lease lines
- Formation lithology
- Survey import from Excel®, text or PDF® files
- Up to 5,000 rows of survey data
- Plots specified wellbore range
- Up to 10 sidetrack levels
- Plots and prints detailed well profiles
- Plan view, section view, 3D view, and dogleg
- Up to 5 kinds of parameters along the wellbore
- Up to 20 different wellbore sizes
- US oil field, SI, and customized units
- Microsoft Word®, Excel® and PowerPoint® reports



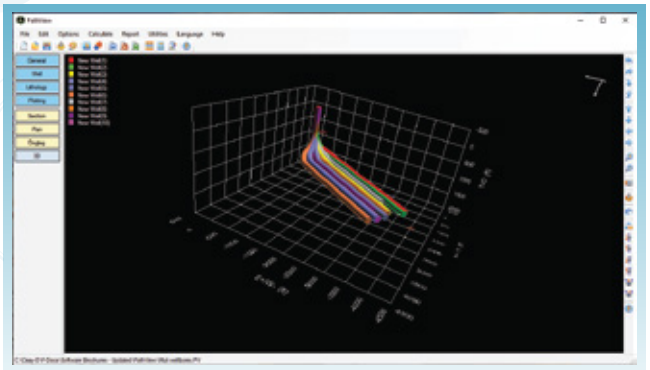
Well Survey Data



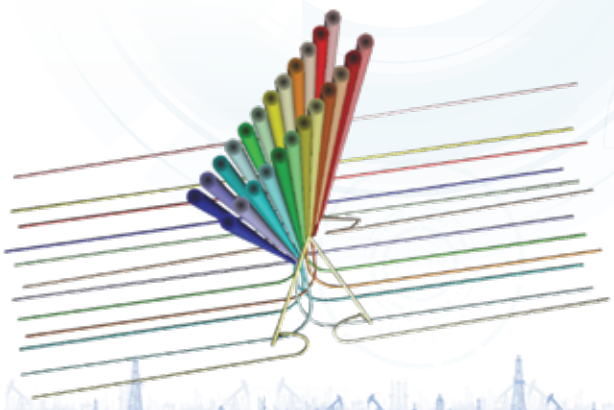
Drilling Formation Lithology

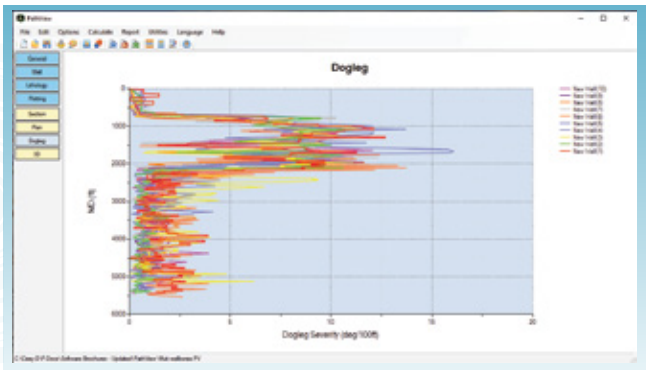
System Requirements

- Microsoft Windows® 10 or above
- Microsoft Office® 2016 or above
- Dual-core Intel or AMD processor, 1.4 GHz or higher. Quad-core CPU recommended. Not compatible with ARM processor
- 4 GB RAM (8 GB Recommended)
- 200 MB of free disk space for installation
- 1,280 x 768 display resolution



Well Path 3D Visualization





Multi-Well Dogleg View

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