RESERVOIR SIMULATION SUITE

S3schedule

KEY FEATURES

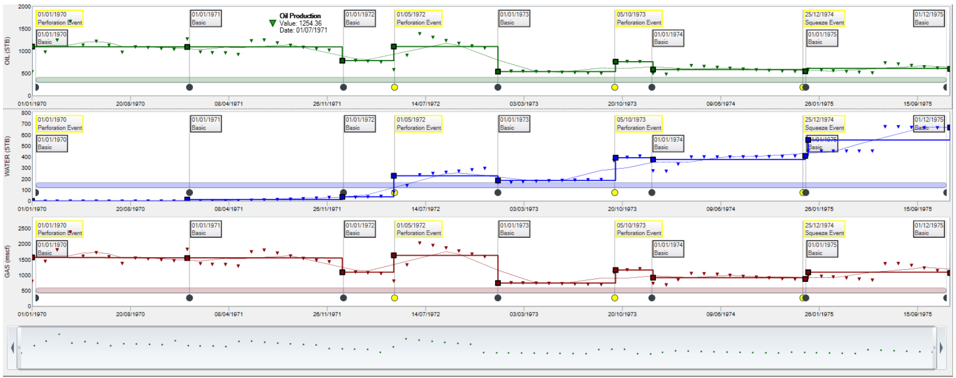
- Quick and easy creation of schedule data
- Wide range of input data formats supported
- Interactive control of time framework for production history and prediction
- Simple and responsive handling of complex schedule data for large numbers of wells

BENEFITS

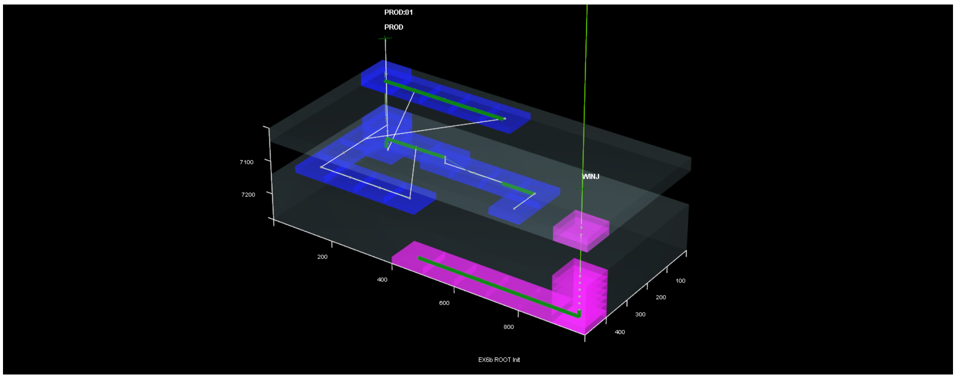
- Load and view observed data from input deck
- Clear and easy-to-use visualisation tools
- Intuitive handling of well events, well control and group control keywords
- Add simple and complex wells
- Export well path and trajectory data
- Multi-lateral well segment support
- Advanced control of keyword exporting with macros and templates

Complete Well Management

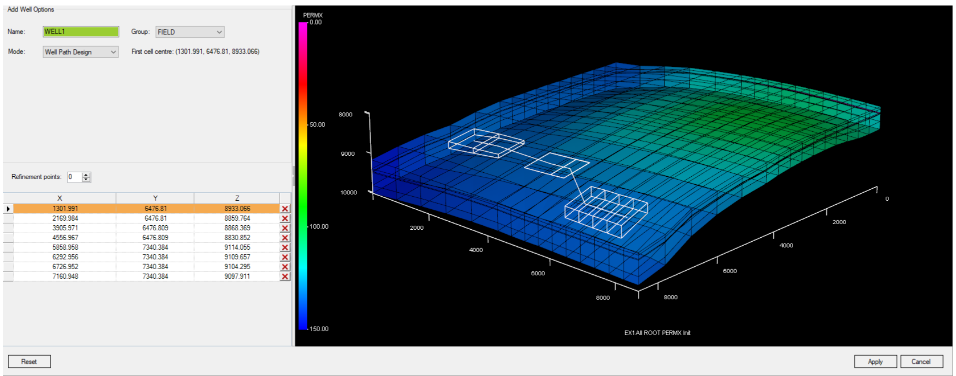
S3schedule is a state-of-the-art tool which enables engineers to automate and speed up key parts of their own workflows. It creates schedule sections for simulation models automatically from various data sources, such as simulator input, well path and event files. S3schedule also works with production history data, giving engineers the ability to use intuitive and interactive methods to match simulation profiles to real production data.



Interactive production history tool



Wellbore and event visualisation



Creating a new well path

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Wellbore & Grid Visualisation

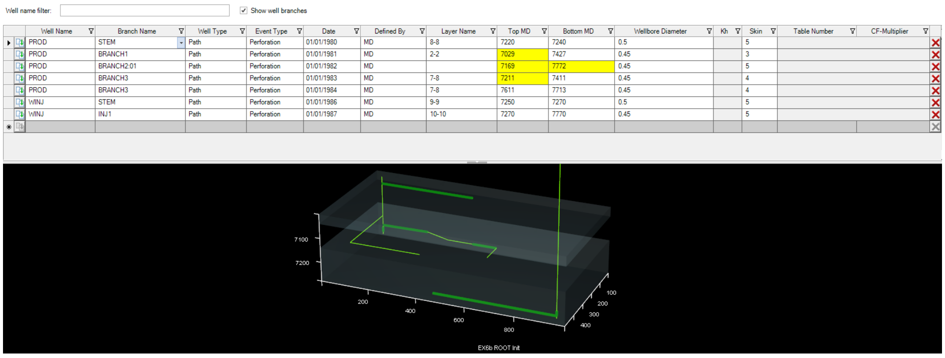
- Well deviation
- Trajectory cells
- Well events (along the well path, through time)
- Log data

Well Building

- Calculate well trajectories based on well deviation and grid geometry data
- Automatic calculation of connection factors
- Well event editor
- Addition of linear and deviated wells
- Export well definitions including completion connection factors
- Support for multi-lateral, multi-segment wells
    - ♦ Multi-segment wells shown on a 3D grid display
    - ♦ Automated

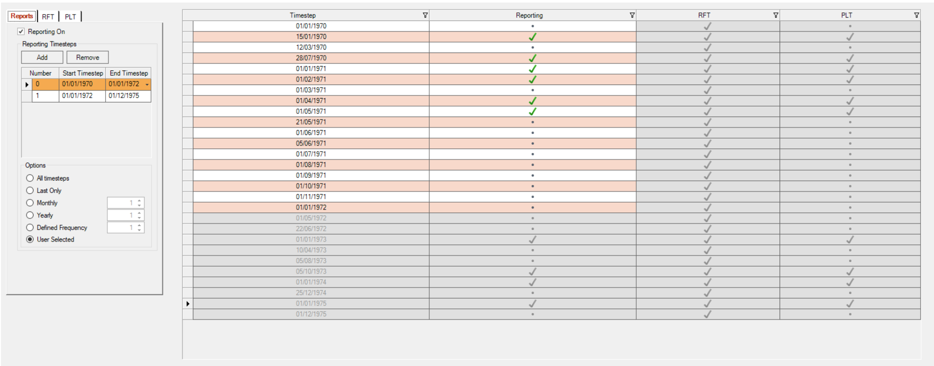
Schedule Generation

- Simple time framework creation from production history data
- Interactive production history analysis tool
- Easy-to-use time framework refinement
- Handle missing data (null values)
- Support for multiple observed data formats
- Add reporting steps
- Control exported keywords using templates and macros
- Group hierarchy visual designer



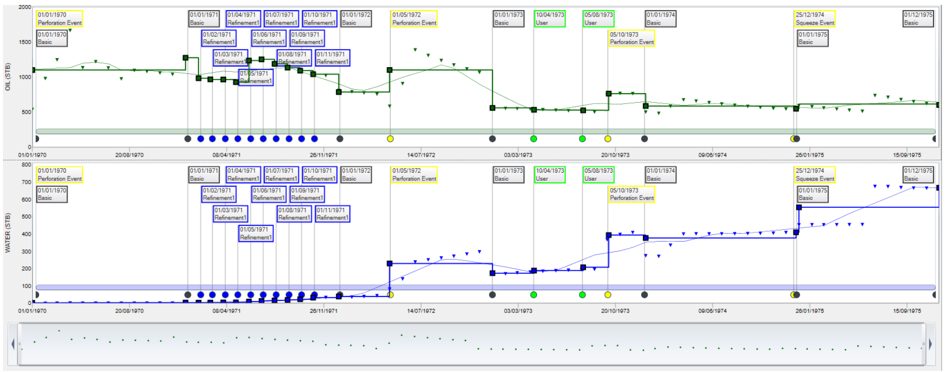
Well events editor

Well events can be added, edited and removed from the table and all changes are reflected in real-time on the 3D grid display. Visual indicators provide measured depth validation and event shifting information.



Reporting editor

Simple controls allow adding reporting steps to the exported schedule. The tabular view updates to reflect changes and indicate active/inactive timesteps.



Time framework refinement

As part of the fully interactive time framework editor for production history, specific refinements can be added to give greater control of the frequency of observed data output. In addition to user defined timesteps, these automatically calculate and update resultant rates.

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