

RESERVOIR

SIMULATION SUITE

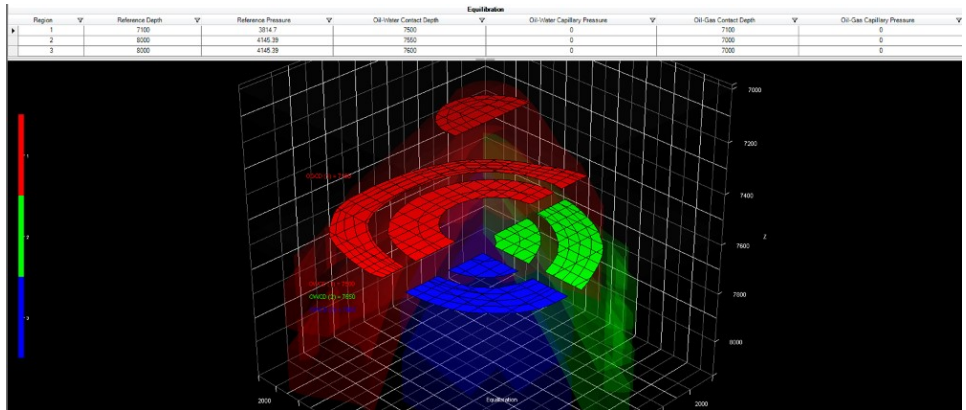


Work Flows Faster

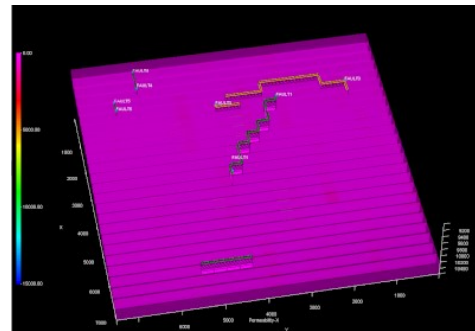
S3control is a powerful pre-processing package for reservoir simulators which helps engineers analyse, understand, modify and QC models quickly and easily. Multiple case scenarios such as sensitivity analysis can be rapidly created and simulated. **S3control** also links to S3GRAF to allow further analysis and reporting. Advanced editing capabilities using text editing, real-time automatic error checking and state-of-the-art 3D visualisation enhance productivity by increasing understanding and preventing run-time errors. **S3control** supports multiple simulators including Eclipse, tNavigator, IMEX, GEM, STARS, Meteor, UTCHEM, NEXUS.

KEY FEATURES

- Fast keyword and model validation
- Easy creation, saving and sharing of workflow templates
- Quickly perform common workflows
- Multiple simulator support
- Sensitivity Analysis with built-in Experimental Design
- Advanced text editor for input decks
- Powerful keyword recognition and syntax highlighting
- Rapid model validation and error checking
- Intuitive searching and filtering of keywords
- Integrated visualisation of input deck properties (3D grids and line plots)
- Side-by-side deck comparator with difference highlighting
- Run launching with run time monitoring of simulation runs (LSF, Multiple Realisation/Parallel)
- Sensitivity studies with visual display of results including Tornado, Pareto and Spider plots
- Automatic generation of multiple scenarios to perform sensitivity analysis over specified properties
- Easy restart creation

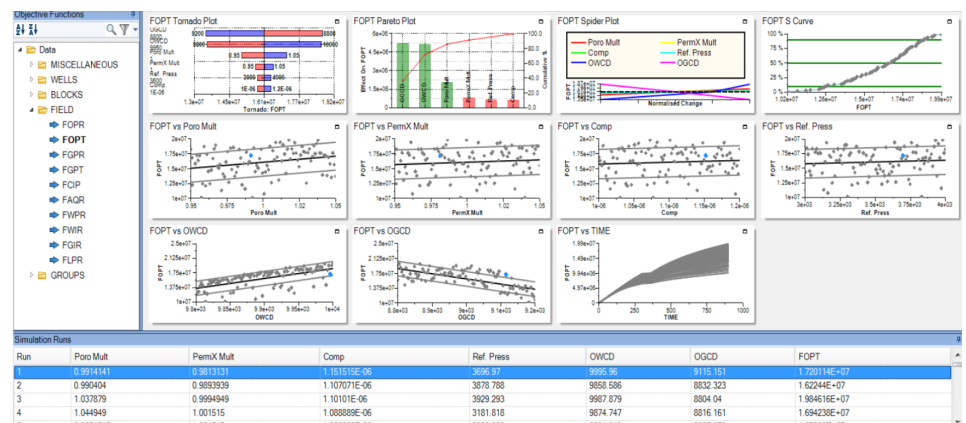


Equilibration view



Faults view including validation

S3control provides fully integrated visualisations of engineering concepts, e.g. faults, contact depths, NNC's. Results from Sensitivity Analysis studies can be visualised in numerous ways e.g. Tornado, Pareto and Spider plots.

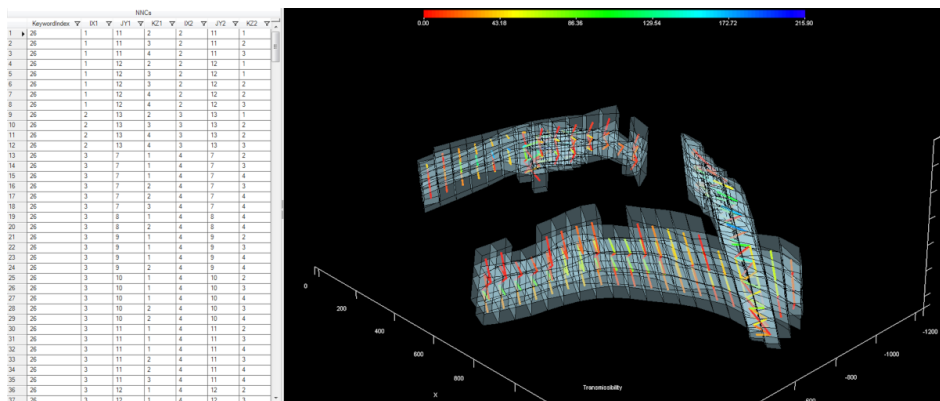


Sensitivity results view

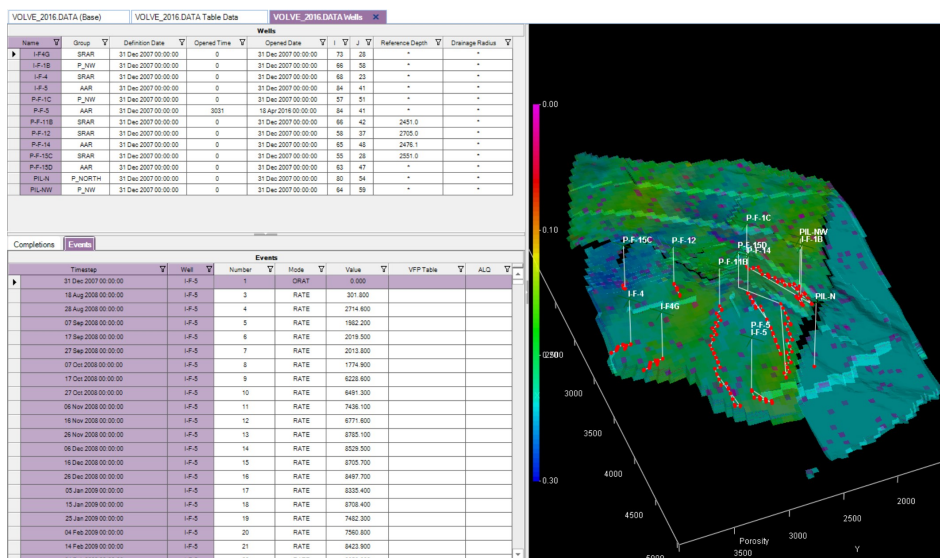


BENEFITS

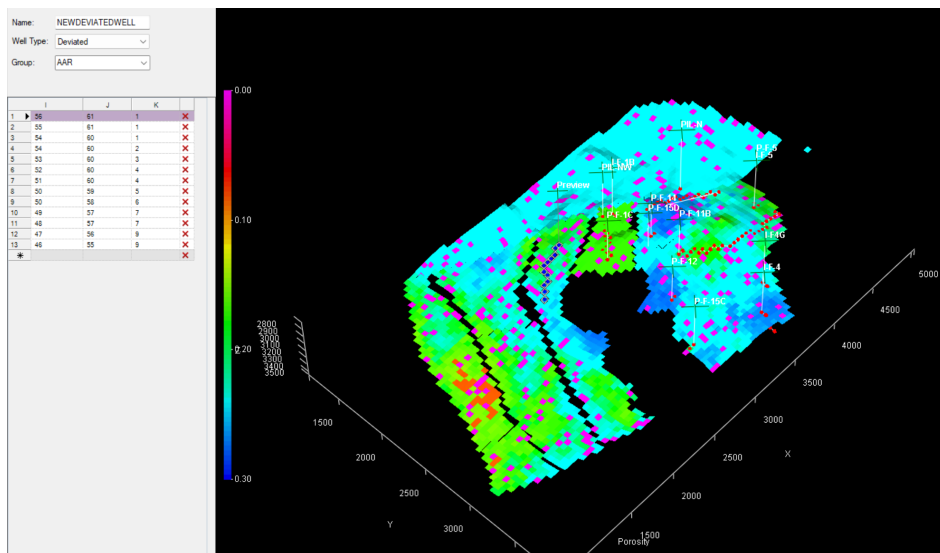
- Intuitive view of table data
- Latin Hypercube uncertainty modelling (SCurve, P10, P50, P90)
- Fast keyword and model validation saves time and increases productivity
- Multiple simulator support (Eclipse, tNavigator, IMEX, GEM, STARS, Meteor, UTCHEM, NEXUS)
- Simulator - independent concept views enable smooth movement between simulators
- Automatic inclusion of report commands
- Seamless handling of 'include' file paths
- Easy to setup sensitivity analysis using experimental designs and ability to create variables from and parameter
- Automatic output of sensitivity results plots



NNC view: easy filtering, visualisation and editing



QC WELSPES, Completions and Controls



Adding a new deviated well



Sciencesoft Ltd
Moorpark House
11 Orton Place
Glasgow
G51 2HF

tel. +44(0)141 445 0330
Fax. +44(0)141 445 2041
E-mail - sales@sciencesoft.com
Website - www.sciencesoft.com
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