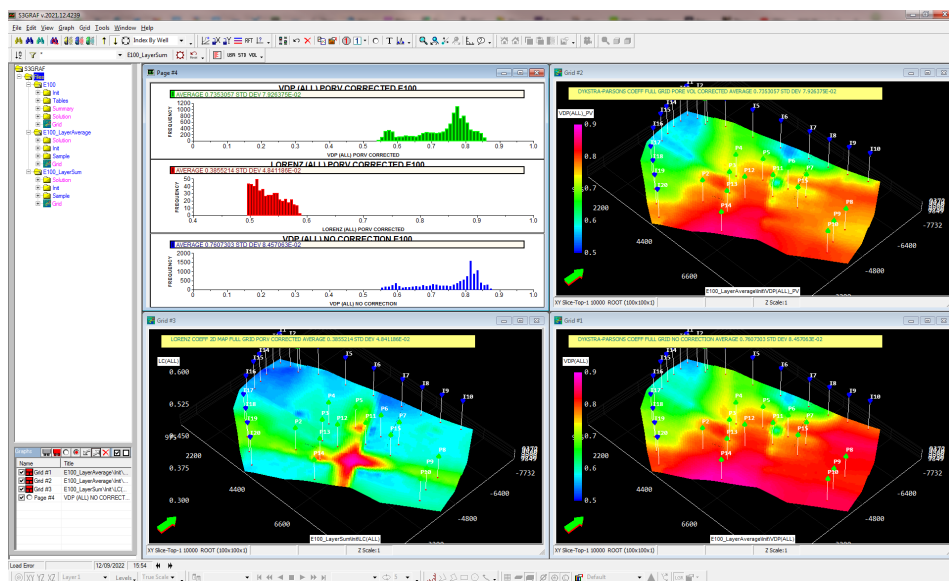# RESERVOIR SIMULATION SUITE

S3GRAF

KEY FEATURES

- Multiple simulator support

- Fast data loading and plotting

- Automatic report generation into MS Office

- Workflow Manager—automate and standardise detailed workflows

- Production Profile report for resampling and financial forecasting

- Advanced 3D visualisation

- Multiple grids on screen for faster analysis

- Ease of use through intuitive drag and drop methodology

- Repeat complex workflows with GRF scripts

- Wide array of advanced 3D visualisation helping to analyse and understand model data

- Workflow replication, sharing and batch processing via GRF scripts

- RAM optimisation allowing faster operation with large data

- Multiple, linked 3D grid windows

- Statistics of displayed grid cells

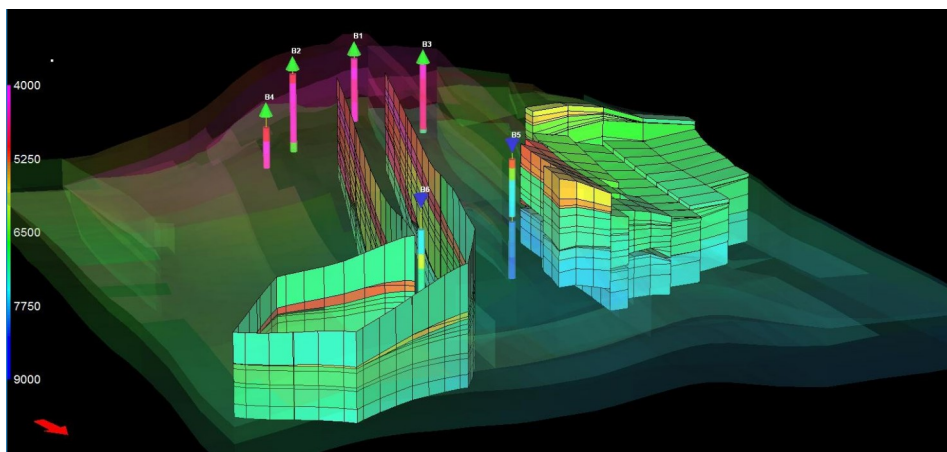- Easy creation of user-defined quantities and grid regions for analysis and calculation

Simplify The Way You Work

S3GRAF is the leading third party reservoir simulation post-processing software package, and is used by more than 1500 engineers across 200 companies worldwide. It supports the widest range of simulators in the market, including Eclipse, Intersect, CMG (IMEX, GEM, STARS) Nexus/VIP, Streamlines (FrontSim and 3DSL), Meteor, UTCHEM and many more. RFT and PLT data are also supported. It is a powerful and easy-to-use software product, enabling reservoir engineers to enhance their productivity and make key decisions fast.

Multiple linked grids

S3GRAF offers powerful 3D visualisation and analysis of reservoir simulation models. It contains many advanced features and functions, helping the reservoir engineer to quickly define and focus on regions of interest. Such regions can be user-defined, and subsequently used for further analysis and calculations. Multiple views can be displayed on-screen simultaneously, from multiple simulators, for rapid analysis and decision making.

Polyline and polygon

Sciencesoft

BENEFITS

- Production Profile report for resampling and financial forecasting

- Well filtering, Indexing toolbar and Graph Search functions enable

- Fast searching and plotting through large data sets/multiple runs

- In-built movie recording

- Statistical functions e.g. P10, P50, P90 plot

- Productivity Gains

  - ♦ Standardisation across RE teams and across multiple simulator formats
  - ♦ Automatic report creation - MS Office, Production Profile (financial forecast)

Fast

- Loading of data, 3D visualisation, plotting and calculations

Easy-to-use and intuitive

- Spend more time analysing and decision making
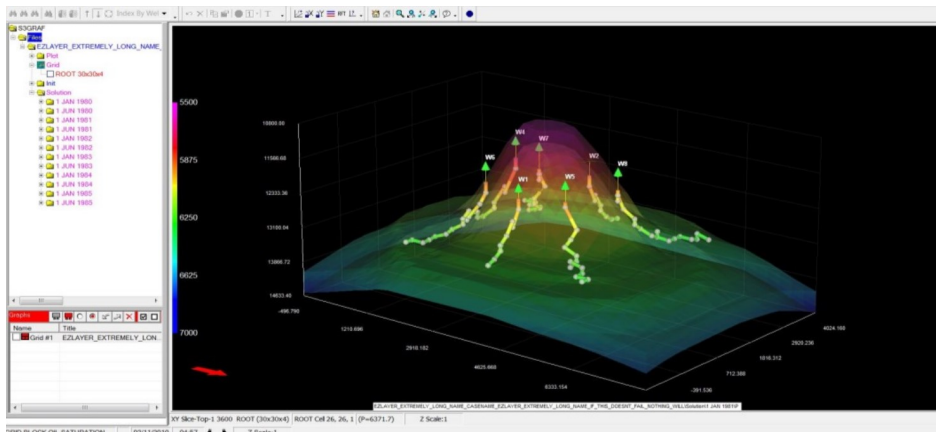
Flexible

- Workflow Manager function enables wider use of functionality via 1-click workflows

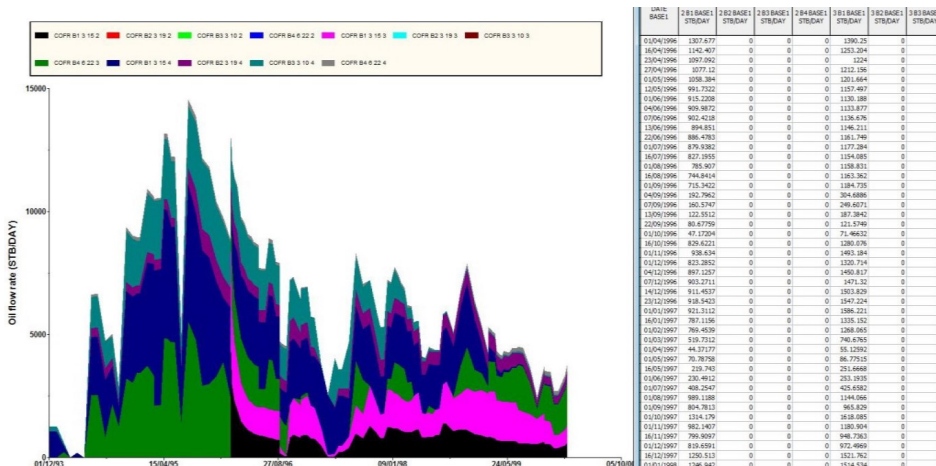- Share workflows via small session

Fetch on Demand

- Massive productivity boost

- Loads GBytes of grid data in seconds

Minimum Memory Mode

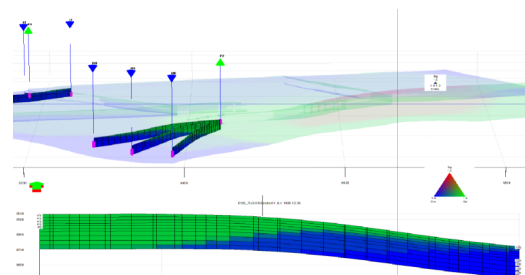- Reduces computer memory overhead

- Smoother performance

Well Tracks view

Oil flow rate per completion (COPR)

S3GRAF also contains our proprietary and innovative HPG (High Performance Grids) technology. It enables engineers to start work on large grids (tens of millions of cells) and associated data (potentially several Gbytes in size) in seconds, thus eliminating the data loading bottleneck. It also helps to minimise workstation memory usage, thus providing greater efficiency.

Fetch on Demand intelligently applies improvement in data loading, up to 100x faster than conventional methods, meaning that engineers can get to work immediately on their data.

Minimum Memory Mode greatly reduces computer memory overhead as only the data of interest resides in memory and is released from memory when no longer visualised.

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