PETROSYS

ADVANCED SUBSURFACE E&P SOFTWARE

PETROSYS PRO

The Petrosys PRO software suite is the industry-leader in mapping and surface modeling software solutions for petroleum E&P – delivering direct connectivity with the most popular exploration, production and GIS data sources. Petrosys PRO produces high quality maps and surface models, it manages seismic, well, geoscience and other specialised data used in the search for oil and gas.

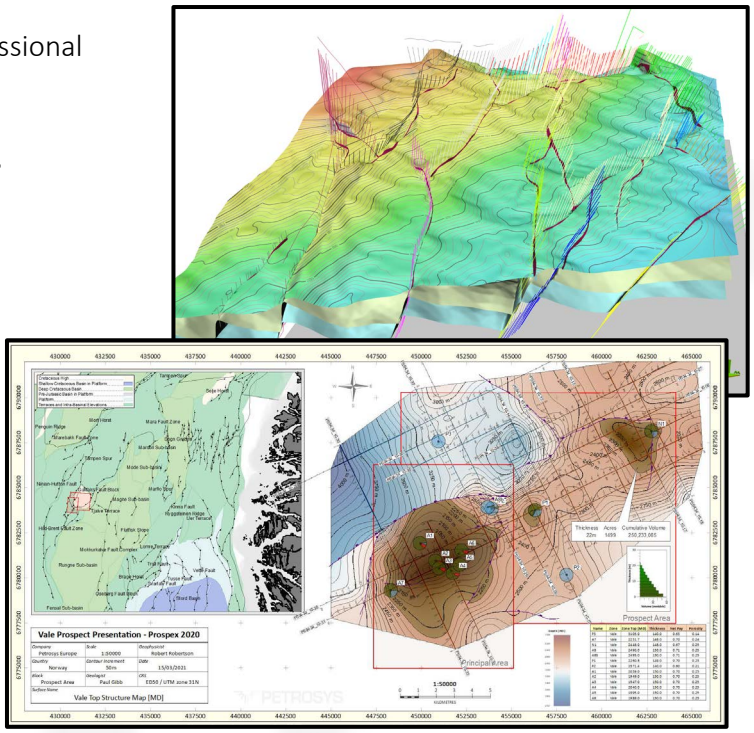
Connectivity & Exchange

Mapping & Visualisation

Surface Modeling

Produces high quality maps quickly

- Map templates allow the geoscientist to reproduce professional cartography quickly

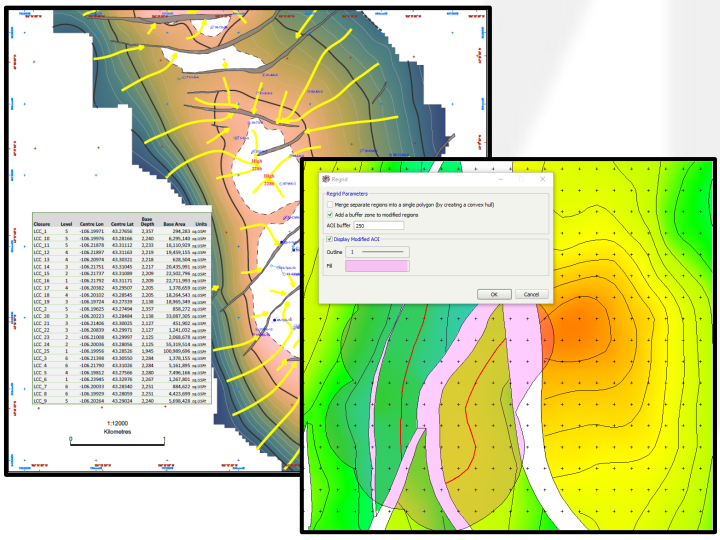


Rapid computation of geologically realistic surface models

- Controllable merging/management of regional grid data
- Time to depth conversion algorithms
- Fault polygons and fault sticks used to constrain grids
- Lowest closing contour identification of structural traps

Manipulates subsurface structural and attribute grids

- Contour editing and surface manipulation tools allow us to apply geological opinions to grid outputs



Computes accountable volumes

- Established and flexible gross rock volume algorithms
- Reproducible reserves computation workflows

Integrates data across applications

- Direct use of data from multiple G&G and GIS applications
- Can transfer/convert data across multiple G&G and GIS applications.

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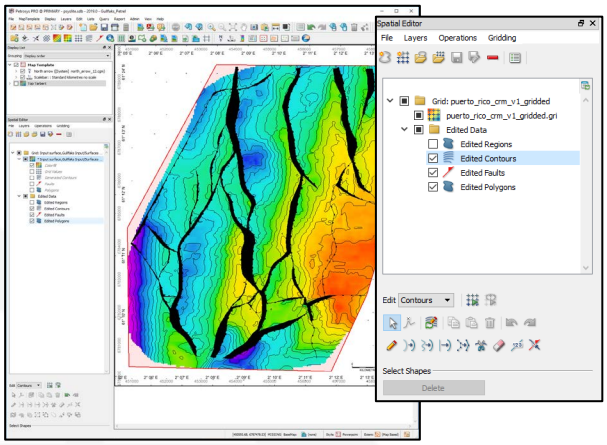
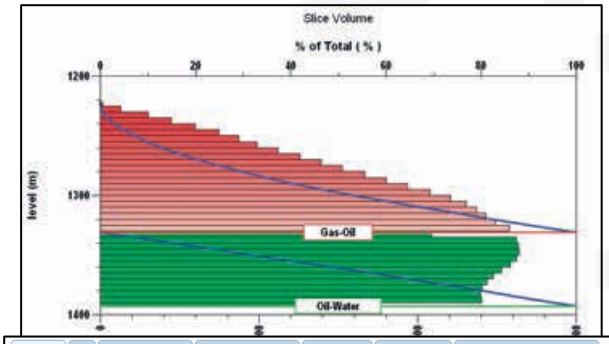
Surface Modeling

Standout Features

Subsurface Mapping Editors

The Petrosys subsurface mapping editors are vital tools for many geoscientists globally. Their flexibility and simplicity generates a powerful suite of tools to interpret the subsurface more accurately. This allows users to impose their geological knowledge into subsurface maps whereas other applications may force the user to accept a default generated grid and offer limited control beyond this.





Volumetrics

Gross rock volumes can be easily calculated from top, top and base, or thickness grids with optional user defined scale factors and volume units. Extensive quality assurance procedures ensure consistent and reliable volume estimates.

The PRC tool gives all PRO users access to our tried and tested monte-carlo simulation capability, from the Petrosys Prospects and Leads Database (PLDB).

With access to a variety of computational methods for both conventional and unconventional resources, the PRC reduces risk and uncertainty by opening up the door to probabilistic modelling.

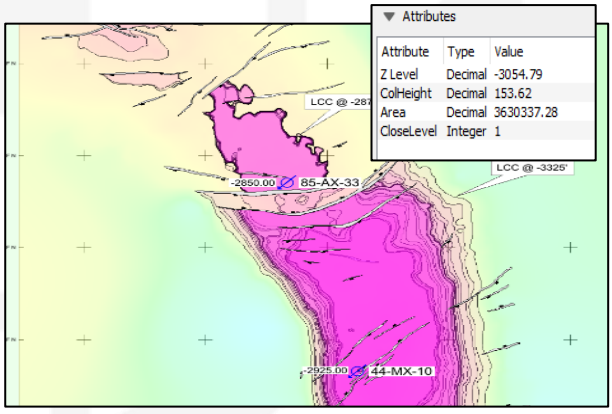
Geology | Oil | Associated Gas | Probability factors | Correlation | Results - Oil | Results - Associated Gas

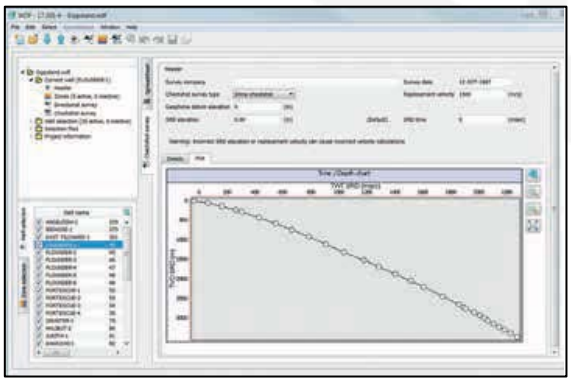
Variable	Minimum (P99)	Low Side (P90)	Median (P50)	Mean	Constant/Mode	High Side (P10)	Maximum (P1)	Distribution Type
Porosity (fraction)	0.094	0.110	0.133	0.134		0.160	0.186	Lognorr
Degree of Fill (fraction)					1.000			Constar
TGCF (fraction)					1.000			Constar
Pool Area (km2)	57.880	79.284	102.877	103.148	102.000	127.419	153.006	Stretche
Net Pay (m)	29.548	43.000	59.500	59.500		76.000	89.452	Normal
Ave Net Pay fx (m)	0	0	0	0		0	0	
100% NRV fx (km2.m)	0	0	0	0		0	0	

Lowest Closing Contours (LCC)

The Lowest Closing Contour (LCC) option help users quickly and easily identify prospects within their subsurface grids. Changing the input parameters allows the user to identify economic prospects and remove smaller, uneconomic closures.

Both leaking and sealing faults can be incorporated to delineate fault bounded structures where the user has the geological knowledge to constrain the model.





Flexible velocity handling and depth conversion

Petrosys helps geoscientists to perform depth conversions with tools that can use stacking velocities, SEGY, well checkshots, and velocity depth functions with a range of data sources and formats.

SCHEDULE A DEMO: info@petrosys.com.au

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