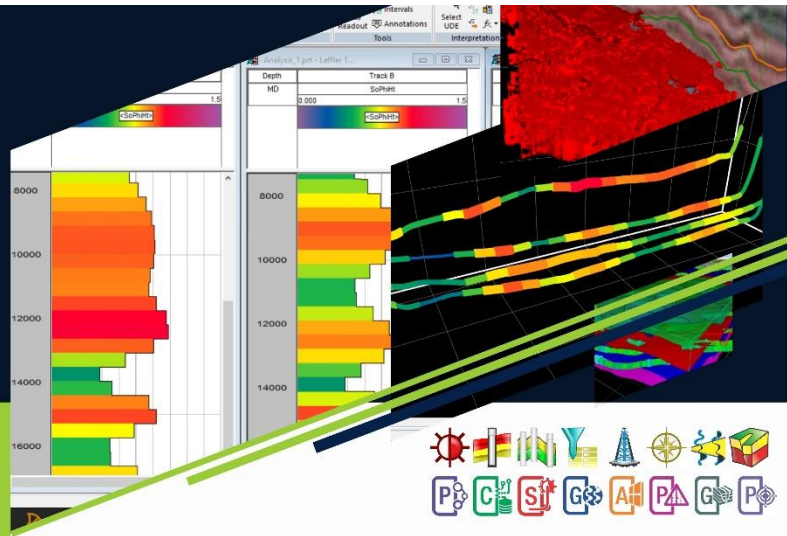GVERSE GeoGraphix
2022.1
Accelerate Discovery

- New and Improved XSection
- Georeference Images on Map Layers
- Integrate Geospatial Analysis with Geological Interpretation
- Introducing Multilateral Wellbore Configuration Planning
- Python SDK for GeoGraphix

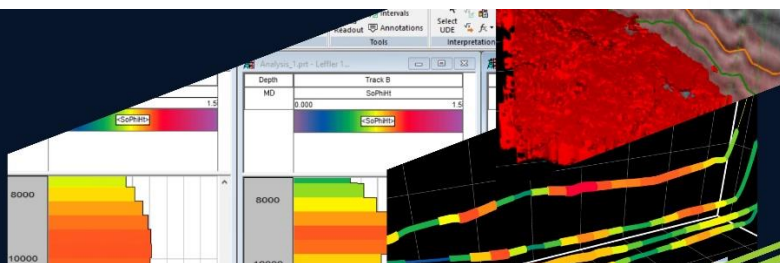**Latest Release**   **Available for Download**

GVERSE GeoGraphix 2022.1 release is the culmination of eighteen months of R&D effort and includes over thirty new features that help our customers explore for and produce hydrocarbons.

Highlights include more powerful tools for building cross sections, log curve digitization, image georeferencing, Python SDK, a new grid statistics tool, and many more features to get you interpreting faster.

Apply the latest geoscience technology with **GVERSE GeoGraphix 2022.1**

Release Highlights

- A completely revamped cross section package that combines our industry-leading cross section software with twenty new features, including many centered-on workflows specific to horizontal drilling.

- New image georeferencing and grid statistics tools in GIS.

- Digitization of raster logs in DepthRegistration.

- Richer log displays in GVERSE Geophysics with support for GVERSE Petrophysics log templates.

- New Python SDK for accessing GeoGraphix database data and integrating AI processes into exploration workflows.

Data Management & Mapping

- Compute grid values from IsoMap layers for Land Survey Polygons, generate reports and create thematic maps based on statistical parameters.

- Introducing dynamic data field creation for storing mechanical and geological data associated with depth intervals.

- Generate data fields along Wellbore from the IsoMap layers.

- Support for image georeferencing.

- Support for cross section creation from multiple WellBase layers.
- Honoring the entity filter selections for creating cross sections.
- Post key performance indicators like production normalized per 10,000 ft. laterals on the WellBase layers.
- Filter wells based on values determined from key performance indicators.

- Post first N months production on WellBase layers.

- Filter wells based on lateral length calculated from the user-defined inclination angle.
- Protect well data for multiple wells and fields by utilizing the list view of WellBase scout ticket.
- Ability to select the "Name" field for volumetric polygons during shapefile import in GeoAtlas.
- Create a new Strat Column Manager from picks with sources from the selected source list.
- ZMap+ and ASCII XYZ Bulk Export for IsoMap Layers.
- DLS column in the survey tab of WellBase.
- Resizable controls for ZoneManager edit zones and edit spreadsheet dialog boxes.
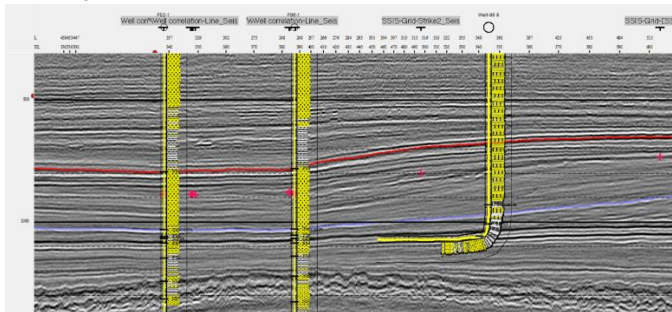
GVERSE Geophysics

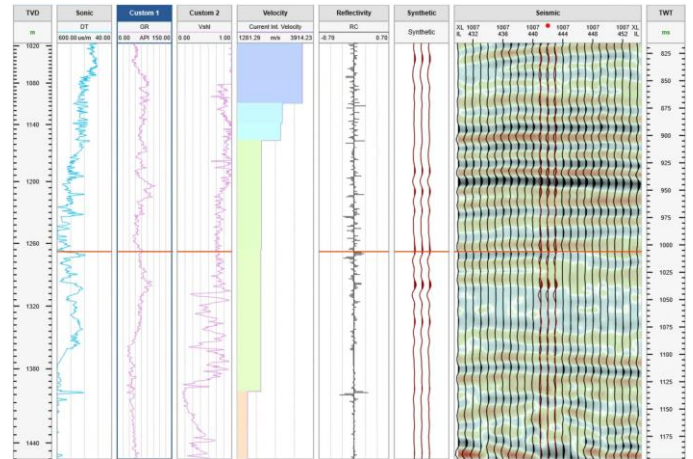- Autopicker for 2D Lines.
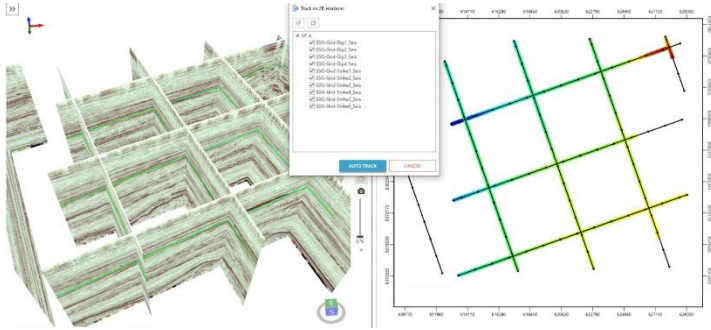
- Depth mode for time interpretations.
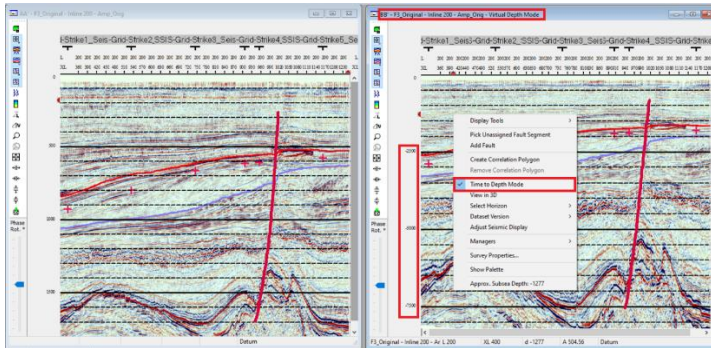
- Log templates on seismic.


- Custom tracks and scales for SynView.

- View velocity model values on seismic sections.
- Edit log values directly in SynView.
- Despike, upscale and edit log curves in intervals.
- Import differently formatted time-depth tables.
- One-click display setting match for objects in the 3D scene.
- Create clones of interpretation objects.
- Snap interpolated picks to events when filling gaps in horizons.
- Sync active horizon and fault color between 2D and 3D views.
- Horizon, fault, and geobody colors in tree.
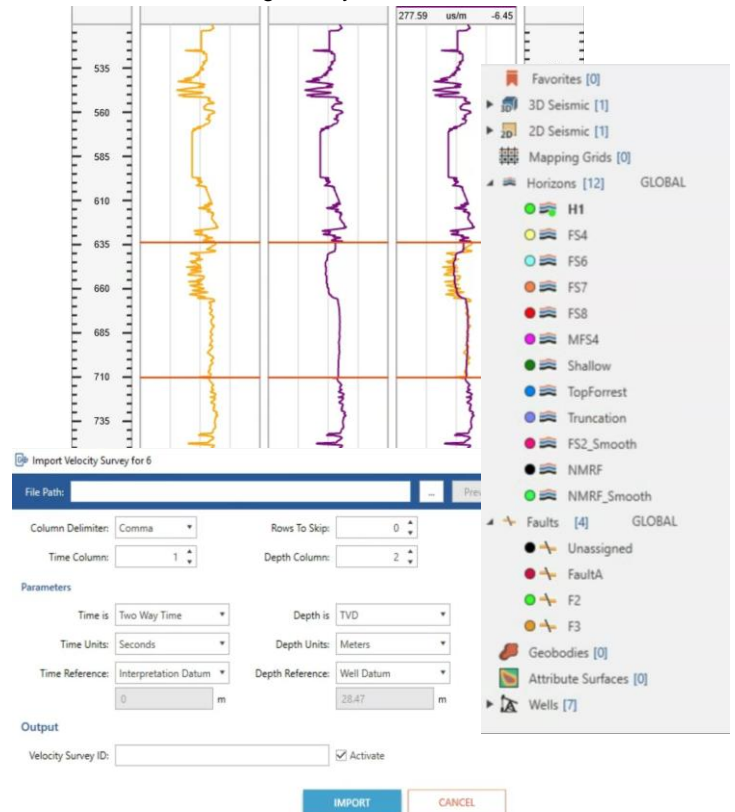
GVERSE Geo+

- Revamped cross section tool.
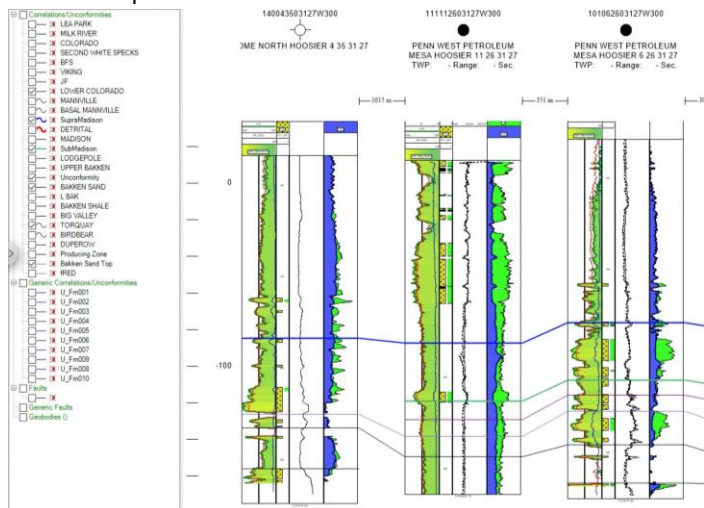
- Templates for well in zone calculations.
- Show/Hide all XY points or wells on cross sections.
- Display well/surface intersections on map.
- Add ZoneManager attributes to well header display.
- Allow duplicates in well header and footer display.
- Post production values above or below well logs.
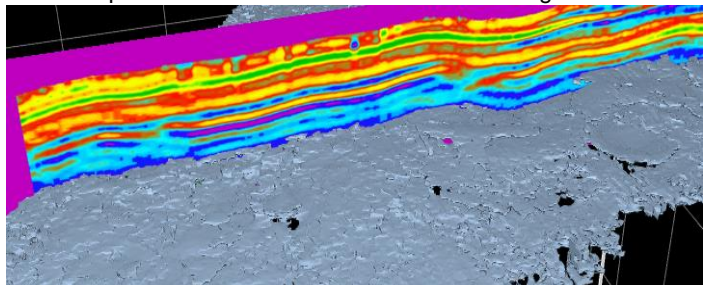
GVERSE Petrophysics

- Curve set independence for log templates.
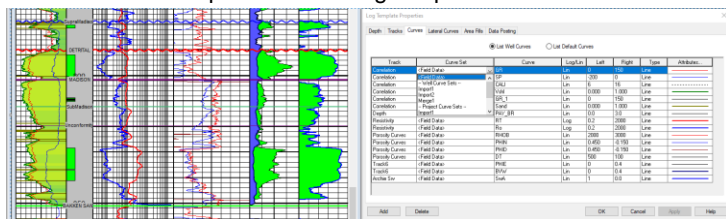
- Log curve digitization.
- Comma separated list when importing mnemonics.
- Hierarchical field data curve set assignment.
- Restrict output of NULL curves for UDE export.
- Resizable dialogs.
- Change colors for log display and apply transparency to interval selection in cross plot view.
- Ignore slashes in well names on import.
- Custom labels for DST, perforations and treatments.
- Pick or edit formation tops in DepthRegistration.
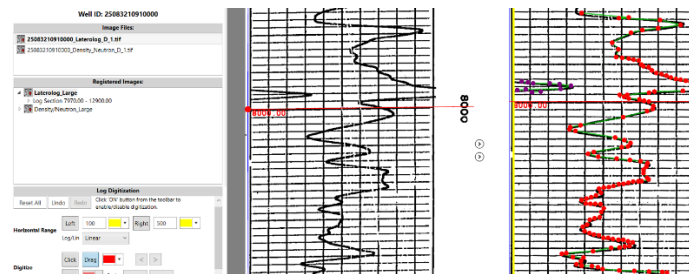

GVERSE Planner

- New well trajectory types
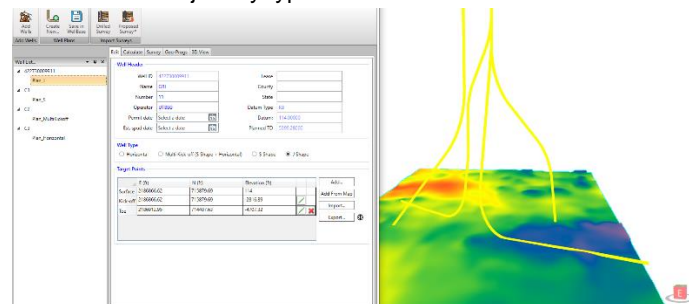
- Ability to add wells from GeoAtlas map to GVERSE Planner.
- Import and export of wellbore target points.
- Add target points for creating the wellbore trajectory from GeoAtlas map.
- Extract drilled and proposed surveys from WellBase.
- Generate geoprognosis report from drilled and proposed survey.

Field Planning

- Introducing fishbone multi-lateral configuration planning.
- Automatically generate fishbone multi-lateral configuration from the input parameters.
- Manually edit fishbone configuration on the map.
- Copy and paste the complete fishbone configuration in desired locations.
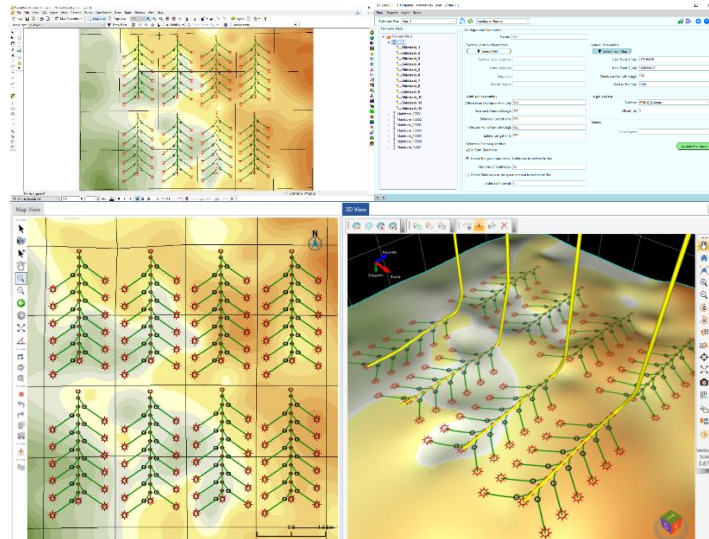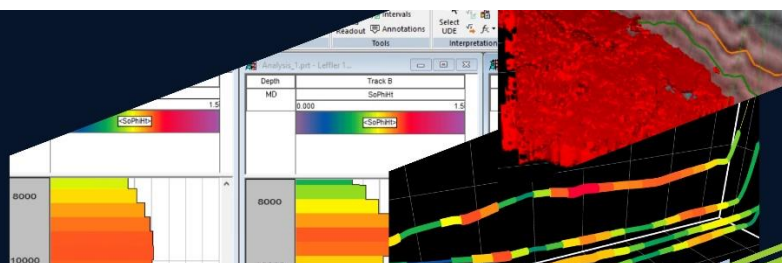
Requirements

To run the application, you need one of the following operating systems installed on your system:

- Windows® 7 Professional x64
- Windows® 7 Enterprise x64
- Windows® 7 Ultimate x64
- Windows® 10 Professional x64
- Windows® 10 Enterprise x64

Licenses

The following licenses are required to run the software:
- GeoGraphix license version 2022.1

Hardware

Minimum

- 2.4 GHz 64-bit processor
- 8 GB RAM
- Any DirectX 11.1 capable card comparable with NVidia® GeForce GTX 430 with 1GB VRAM. DirectX is not shipped with GeoGraphix 2022.1.
  You must download and install it separately.
- 1366 x 768 screen resolution

Recommended

- Quad 3.2 GHz 64-bit processor
- 32 GB RAM
- Any DirectX 11.1 capable card comparable with NVidia® GeForce GTX 1060 with 6GB VRAM. DirectX is not shipped with GeoGraphix 2019.3.
  You must download and install it separately.
- Solid state hard disk (SSD)
- 1920 x 1080 screen resolution