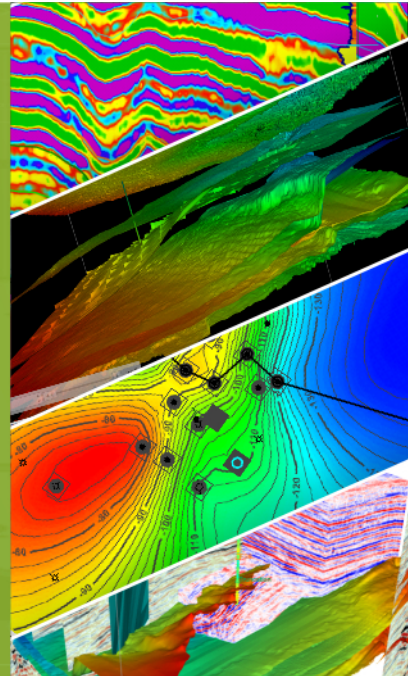- Integrated Geomodeling & Geophysics
- Fast Reservoir Characterization
- Efficient GeoSurface Modeling
- Improved Data Management

GVERSE® GeoGraphix® 2019.4

Latest Release
▽ Available for Download

The NEW GVERSE GeoGraphix 2019.4 release has a renewed focus on data management and mapping, significant enhancements to our geomodeling tools and new features in geophysics that really raise the bar around affordable seismic interpretation.

Highlights include support for larger cross-sections and subsurface maps, a new electrofacies analysis tool, automatic fault extraction, new data management tools that reduce the time needed to manage data and get you interpreting faster.

## Apply the latest geoscience technology with GVERSE GeoGraphix 2019.4

Release Highlights

- Added support for building much larger regional subsurface maps.
- Added support for building much larger cross sections
- Original Oil in Place (OOIP) & Original Gas in Place (OGIP) Calculations
- Dipmeter Import History
- New Layer Type Filters
- Query formation picks using the Active or Public Strat Column
- Apply Statistical Operations when importing zone attributes from Spotfire
- Import IHS297 GD Record
- Improved Integration between Geophysics and Geology
- On-the-fly Depth Conversion
- Enhanced Geobody Interpretation
- Improved Fault Interpretation & Analysis
- New Electrofacies Analysis
- Enhanced Curve Data Management

GVERSE GeoGraphix 2019.4 — Latest Release ▽ Available for Download

Data Management & Mapping

- Support for building much larger cross sections.
- Support for building much larger regional subsurface contour maps.
- Original Oil in Place (OOIP) & Original Gas in Place (OGIP) Calculations
- Dipmeter Import History
- New Layer Type Filters
- View Selected Wells from QueryBuilder in GeoAtlas or WellBase
- Query formation picks in QueryBuilder using the Active or Public Strat Column
- Add commas to numeric posts on WellBase layers
- Post Deviation Survey data on WellBase Layers
- Rearrange Columns in WellBase Grids
- Apply Statistical Operations when adding zone attributes from Spotfire
- Import IHS297 GD Record
- Significant Quick Filter Enhancements
- Support for ZoneManager import templates
- Increased Character Lengths for zone, attribute and well names.
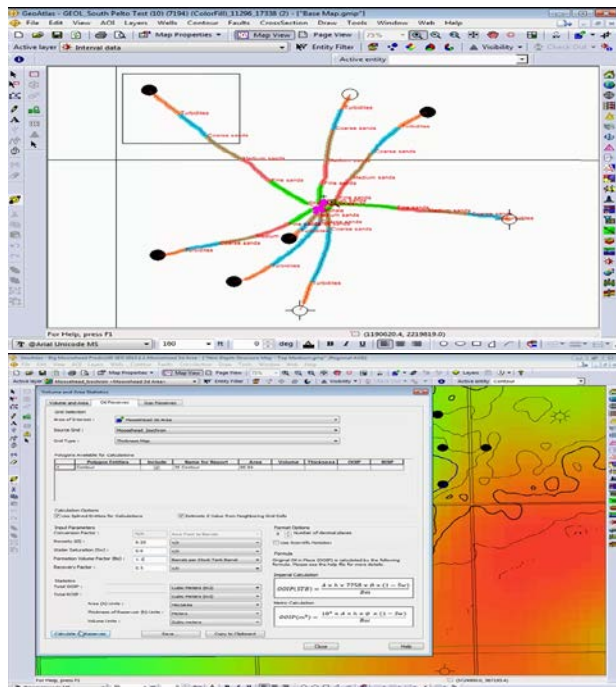
GVERSE Geophysics

- Open geological cross-sections from geological applications as arblines in GVERSE Geophysics
- Display & consume geobodies picked in GVERSE Geophysics in other GeoGraphix applications
- Cursor tracking, common color palettes and other integration improvements
- Digitize or import depth control points and incorporate in velocity models
- Display horizons, faults & timeslices in Depth Mode of time interpretations
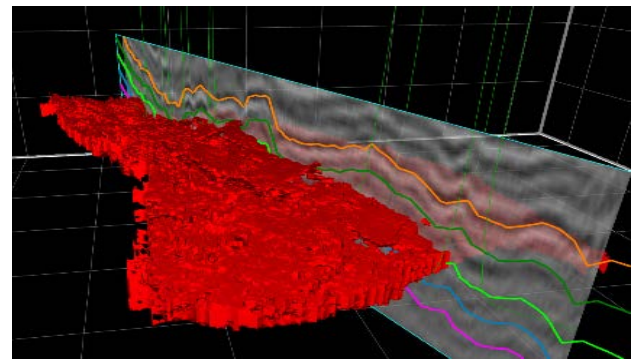

- Automatically create velocity and depth grids for all horizon
- Pick geobodies in bulk without marking seed picks.
- Use multiple volumes to define geobody criteria
- Merge, split and edit geobodies.
- Model effect of multiples on synthetic
- Use the advanced Backus Averaging method to upscale logs
- Create stratal slices between two horizons
- Create, save and reuse polygons on your maps
- Analyze faults with stereonet plots
- Convert faults intersections to segments automatically
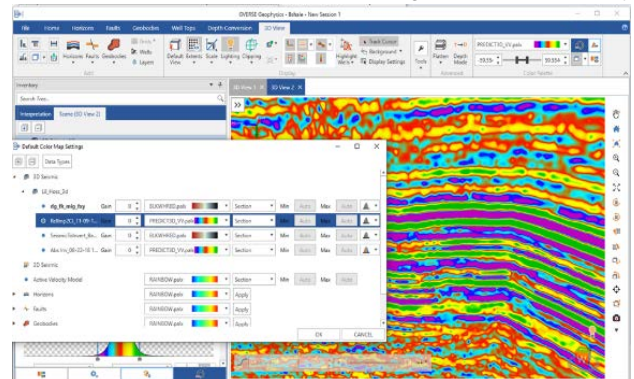
- Extract seismic along multiple wells and volumes
- Post distances on seismic sections
- Activate velocity surveys for multiple wells simultaneously
- Other usability enhancements that make workflows faster and more efficient
- Performance and stability improvements

GVERSE Geomodeling

- Survey Points in Zone Reports
- Apply Color on Type Logs and Correlation Logs
- View and Save Geobodies in Cross Section View
- Geobodies in 3D View
- Performance Improvements in Well Zone Calculations
- Calculate Well in Zone for Multiple Zones
- Property maps from ZoneManager attributes
- Cursor Tracking between GVERSE Geomodeling and GVERSE Geophysics
- Export Surface Points
- Open GVERSE Geomodeling Cross Section as an Arbitrary Line in GVERSE Geophysics
- Import Surface Points in ASCII XYZ Format
- Color Palette Control for Individual Versions of Seismic Backdrop
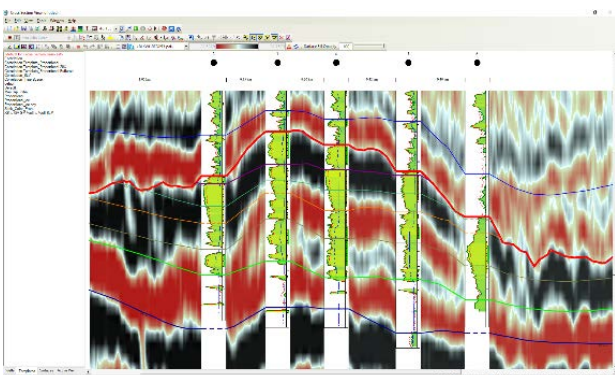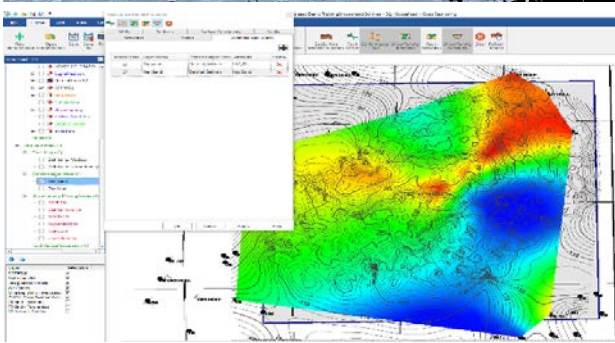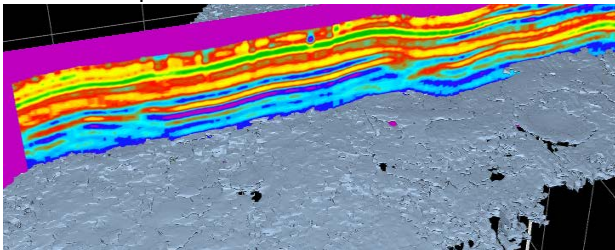
GVERSE Petrophysics

- Run electrofacies analysis on multiple wells with upto 12 curves using k-means clustering
- N-dimensional pair plot for cluster verification and identification
- Dedicated electrofacies display track in presentation templates.
- Improved curve data management with ability to Import to new and existing named curve sets
- Merge curve sets across multiple wells at the same time
- Filter incoming curves in multi-curve LAS files by mnemonics
- More posting options on presentation templates including ability to post chamber recovery information
- Control display of decimal places on log templates
- Calculate curve data statistics around formations or faults
- Display formations and faults on logs in crossplots
- Set UDE output curves as default curves
- Usability improvements
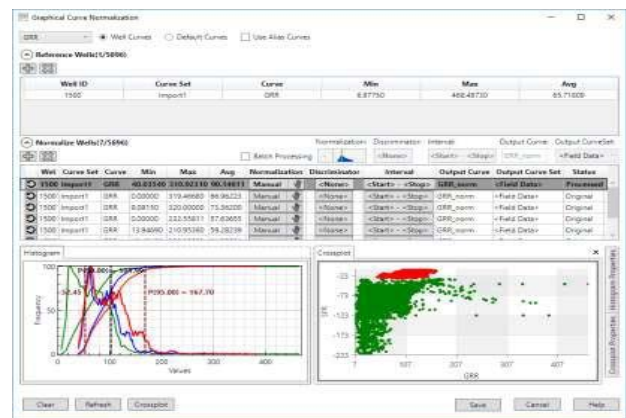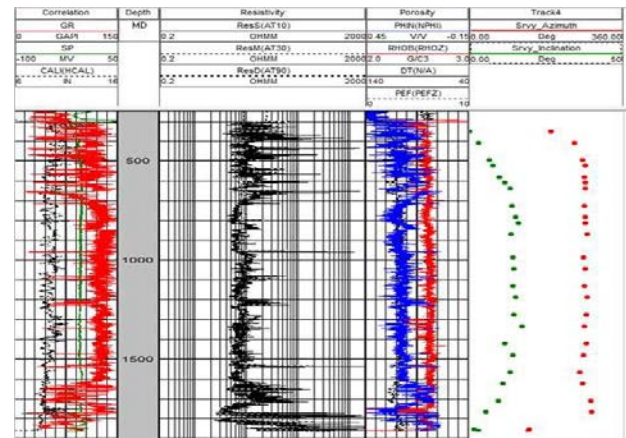
Field Planner

- Ability to export well survey points in Geographic coordinates or custom projected coordinates.
- Improvements in SAGD workflow by introducing following enhancements.
  - Ability to create pods by moving slots on map view.
  - Ability to select and modify properties for Producers and Injectors individually on map view.

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 2019.4
- GVERSE® Geophysics license version 2019.4

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 2019.4. 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